Panasonic

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WWW.PANASONIC.COM

PANASONIC HOME ENTERTAINMENT AUTUMN 2014

Panasonic

SHARPER.
EASIER.
SMARTER.

HOME ENTERTAINMENT AUTUMN 2014

TENTATIVE

VIERA
BEYOND SMART TV

PANASONIC
HOME ENTERTAINMENT
RANGE 2014

Panasonic Home Entertainment 2014 4–5

INTRODUCING TV

Your Senses Unleashed 6–7
4K ULTRA HD TV 8–9
Picture Quality 10–11
VIERA LED TV Smart Features 12–21
Design 22–23

LED TV

VIERA LED TV Range 24–39
VIERA LED TV Features Overview 40–41
VIERA LED TV Specs 42–43

AUDIO

Introducing Wireless Multi-room Streaming and Smart Networking 44–47
Wireless Multi-room System 48–49
Wireless Bluetooth® Speaker / Digital Radio 50–51
Compact Music Systems 52–55
Soundbars 56–58
Speakerboards 59
Home Cinema Systems 60–63
Headphones 64–65

VIDEO

Introducing Blu-ray™ Disc Recorder Key Features 66–67
3D Blu-ray™ Disc Recorder with HDD 68
3D Blu-ray™ Disc Player / HD Recorder with HDD 69
3D Blu-ray™ Disc Player 70–73
Blu-ray™ Disc Player 73

AUDIO / VIDEO

AV Specs 74–83

ICON GLOSSARY

At a glance: icons and logos explained 84–86

SHARPER.
EASIER.
SMARTER.

The latest home entertainment products from Panasonic are perfectly designed to meet the needs of today's fast-paced, 'always on' lives.

Two key developments have revolutionised the home entertainment world over the past couple of years. First, the sort of TV sizes people are embracing in their living rooms have exploded, as they realise that bigger is better. Second, the Internet has essentially taken over the world. Both of these developments have had profound implications for the sort of products people want in their living rooms. With TVs the desire for bigger and bigger screens has been joined by a growing desire for better picture quality, so that images better survive the journey up to the 55-inch, 65-inch and even larger screens people increasingly want to buy.

The ultimate solution to this picture quality quest is 4K Ultra High Definition, with its four times Full HD resolution. Panasonic has developed a whole range of new 4K TVs for 2014 equipped with cutting-edge, 4K-friendly connectivity and exclusive Panasonic 4K video processing systems designed to deliver the better colours, better contrast, better gradation and better upscaling you need to get the most from your next-generation, higher-resolution display.

It's not just Panasonic TVs that care about 4K, though. Several of the latest Panasonic digital recorders and players carry 4K upscaling too, meaning, for instance, that even your home movies can benefit from the cinema-like quality 4K makes possible.

Such next-generation pictures deserve to be partnered with High Definition sound quality. So Panasonic is launching a whole range of powerful, feature-rich new soundbar and home cinema systems tastefully designed to integrate seamlessly into your living room.

Don't imagine that Panasonic is relying exclusively on the introduction of 4K Ultra HD products to improve picture quality. For its TVs it's also introducing new technologies like direct LED lighting with Local Dimming, advanced colour filters and enhanced video processing to take LCD to a whole new performance level.

Panasonic is also the only brand offering Blu-ray recorders so that as well as being able to time shift your TV viewing you can store forever favourite TV shows and home movies – all in glorious High Definition. The expansion of the Internet into almost every part of home life, meanwhile, has enabled Panasonic to think outside the box – literally – like never before, to deliver products that extend their functionality not just beyond their own forms but into other rooms and even outside your home.

Many of the 2014 Panasonic TVs, digital recorders and home audio products support content sharing with external devices like smartphones, tablets and networked PCs, while some of the TVs and digital recorders also let you send instructions to them via a smart device even when you're not in your home! What's more, all this new communication between your home entertainment devices is achieved wirelessly, with no need for messy cable runs around the house.

Perhaps most importantly of all, though, Panasonic has made sure all the new Smart functionality now available in its products is easier to set up, faster to access and more personalised for the consumer than ever before, thanks to innovations like the latest my Home Screen interface, the new 'my Stream' TV recommendations system, a new range of wireless music products with Qualcomm® AllPlay™ compatibility, and the Panasonic Music Streaming App.

All these features and more are detailed in the following pages, so let's take a trip through a new product range that expands home entertainment technology in bold new directions while never forgetting to make sure you always feels in control.

YOUR SENSES UNLEASHED

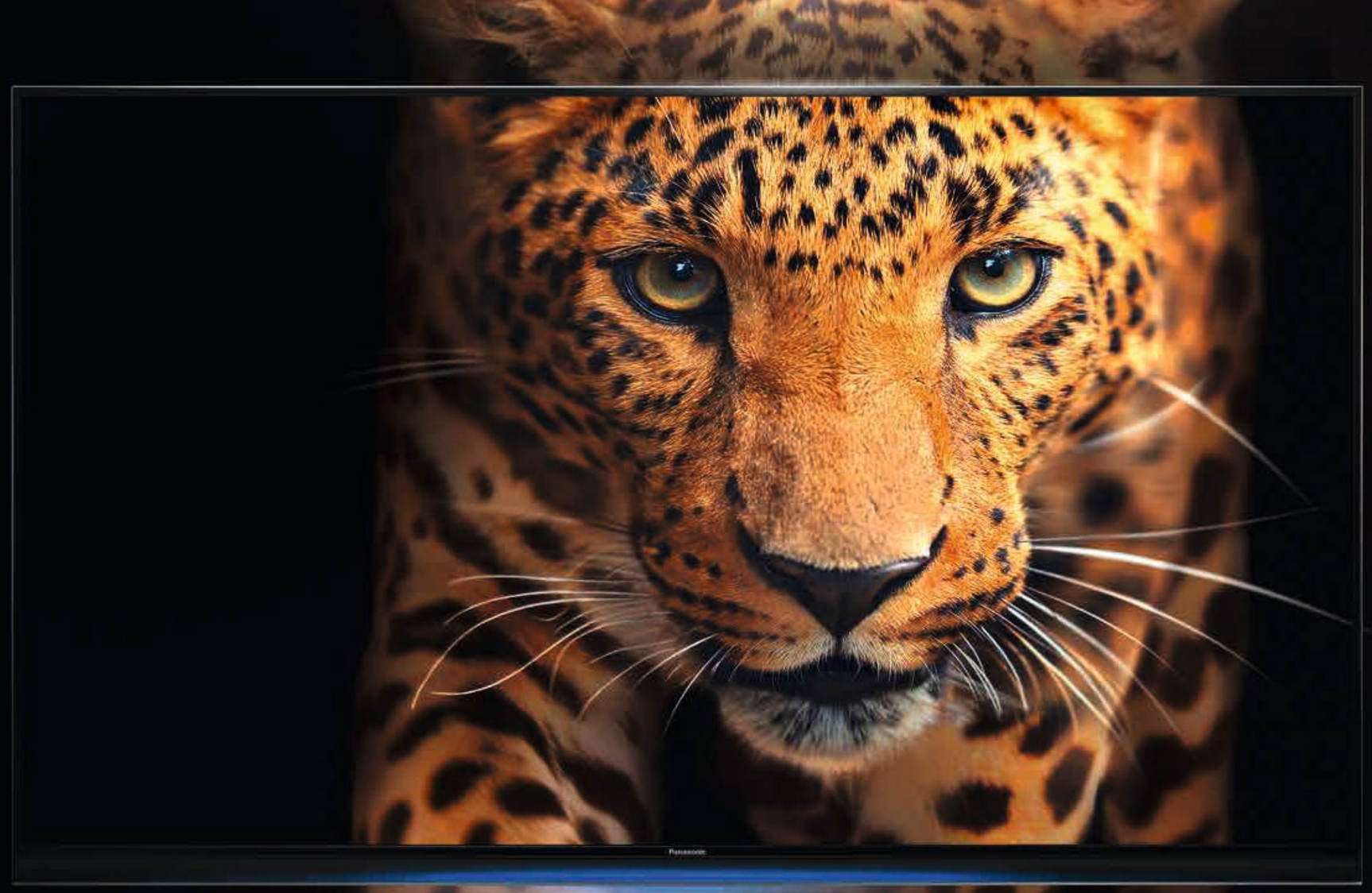
Introducing a new level of detail. The highest contrast, the most vivid colours and innovative technology create an industry-leading picture quality.

4K
ULTRA HD TV

4K
ULTRA HD TV

ALL HAIL THE RESOLUTION REVOLUTION

2014 is going to be the year of the 4K resolution display. And Panasonic TVs are perfectly poised to make the most of this fantastic new, higher resolution world.



THE 4K UHD DIFFERENCE

Better sharpness: Since 4K images are made up of four times as many pixels as Full HD pictures, they look incredibly sharp, crisp and detailed. Many people describe 4K as like looking at real life rather than just watching a TV.

Better colour: The new generation of Panasonic 4K screens combine their extra resolution with improved colour filters to deliver more gradation steps and produce more natural colour tones.

Better depth: 4K's ability to resolve finer details means that 4K screens can portray a greater sense of depth when showing shots of large-scale views.

4K: THE PANASONIC 4K UHD DIFFERENCE

The latest 4K Panasonic TVs have a number of key benefits that help them get the very best from the new higher-resolution picture format.

HDMI 2.0 connections: Panasonic was the first brand to offer HDMI 2.0 connections on a 4K TV, in recognition of the fact that only HDMI 2.0 connections allow the delivery of 4K pictures with 50/60Hz refresh rates and full colour resolution. So important are HDMI 2.0 sockets to the 4K story that they're now an established industry standard.

DisplayPort connection: HDMI 2.0 ports aren't the only connections that can carry 4K signals at 50/60Hz without reducing colour and frame rate performance; DisplayPort terminals can do it too. So Panasonic will uniquely equip most of its 4K TVs with DisplayPort sockets for 2014.

Specialised 4K decoders: Panasonic has developed new chips specially designed to handle 4K datastreams more effectively, so that no picture quality is lost as the signals are transferred to the screen. The 2014 Panasonic 4K TVs can also handle the HEVC video format that's looking set to become the most common 4K delivery standard.

Quad Core Pro5 / Hexa-Processing: The latest Panasonic 4K TVs use new high-powered processing systems, advanced algorithms and the Panasonic Content Optimizer Pro noise reduction and remastering engines to deliver clearer, sharper upscaling of any source – be it normal HD, standard definition or even content sourced from the Web.

Enhanced motion resolution: The extreme sharpness of 4K pictures can be upset by the motion blur problem you can get with LCD TVs. So to combat this Panasonic 4K TVs use an up to 3000Hz Back Light Scanning (BLS) motion resolution system and a 4K 'Intelligent Frame Creation' engine. This adds in extra frames of picture information so that motion across the image becomes both smoother and clearer.

THX® CERTIFICATION

Don't just take our word for it that Panasonic TVs deliver outstanding picture quality. The high-end range has also passed the rigorous testing procedures of the independent THX quality assurance group, earning full THX Certification. This means in particular that the THX-certified Panasonic TVs can accurately reproduce the HD colour standard used by film-makers for broadcasts and Blu-ray movies, as well as improving deinterlacing to reduce jaggedness around curved edges and improve sharpness.

The THX-certified TVs additionally carry THX picture presets to give you a simple shortcut to pro-calibration picture quality.

The perfect partner

The new Panasonic BDT700 Blu-ray player is an ideal addition to the latest Panasonic TVs, thanks to the ultra-high quality of its playback and extensive multimedia tools.

(more information on page 70)

PICTURE QUALITY REMASTERED

The latest Panasonic TVs continue to deliver the industry-leading picture quality the brand is renowned for.

The local dimming difference

Being able to control clusters of LEDs independently dramatically improves contrast performance.

True colours shine through

A new wide-gamut panel and advanced colour processing deliver a hugely enhanced colour range.

PICTURE QUALITY: PRECISION THROUGH TECHNOLOGY

Studio Master Drive: High-end Panasonic 'Studio Master Drive' TVs in 2014 are equipped with two new picture-boosting drivers. The Super Chroma Drive combines a new wide-colour-gamut panel design with a 3D Colour Management System, while the Black Gradation Drive looks for and applies brightness compensation to low-brightness image elements. The result of all this is more accurate colour; richer, smoother gradation; and more shadow detail at virtually any brightness.

Local Dimming: Some high-end Panasonic TVs boost their contrast performance enormously by using Local Dimming, a system that enables separate clusters of LED lights to have their brightness levels adjusted individually. The Local Dimming Ultra system on the high-end model is particularly effective, as the light clusters controlled by Local Dimming are positioned directly behind the screen rather than around its edges, enabling the TV to be more precise with its local light adjustments to deliver even greater dynamism and more delicate gradation.

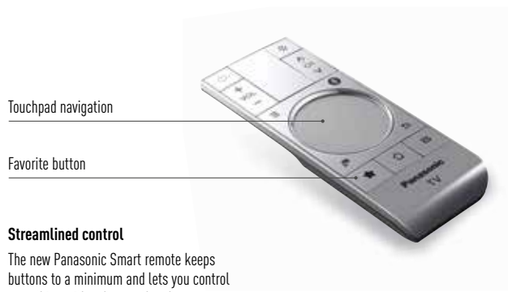
Studio Master Colour: The top Panasonic TVs for 2014 use LCD panels equipped with a newly developed, high-colour-space LED backlight able to deliver colours that are truly faithful to the original content being shown. In particular, the wider Studio Master Colour space enables Panasonic 4K LED TVs to reproduce colours accurately even at low saturation and brightness levels (something LCD TVs traditionally find difficult), greatly enhancing the picture quality of dark scenes.

Advanced Colour Spectrum: It's not just new Panasonic 4K TVs that benefit from an improved colour performance. The top-end Full HD models use Advanced Colour Spectrum panel technology to produce more vivid, nuanced and natural colours across a wider tonal range.

TAILORED TELEVISION

Why waste time hunting for TV shows you want to watch when the new Panasonic my Stream system can do it for you?

Streamlined content
my Stream is a beautifully presented shortcut to only the sort of content you like best.



Streamlined control
The new Panasonic Smart remote keeps buttons to a minimum and lets you control everything with only your thumb.

MY STREAM: YOU'LL LOVE WHAT'S UP NEXT

You watch, your TV learns: Ever wish you could replace the usual over-crowded, on-screen TV listings with something more streamlined and personalised? Well now you can. The my Stream system in the latest Panasonic TVs can, if you want it to, monitor your viewing habits – as well as, separately, those of other members of your household – and use the information to build a profile of the sort of programmes you most like to watch, so that it can then recommend similar content you might be interested in.

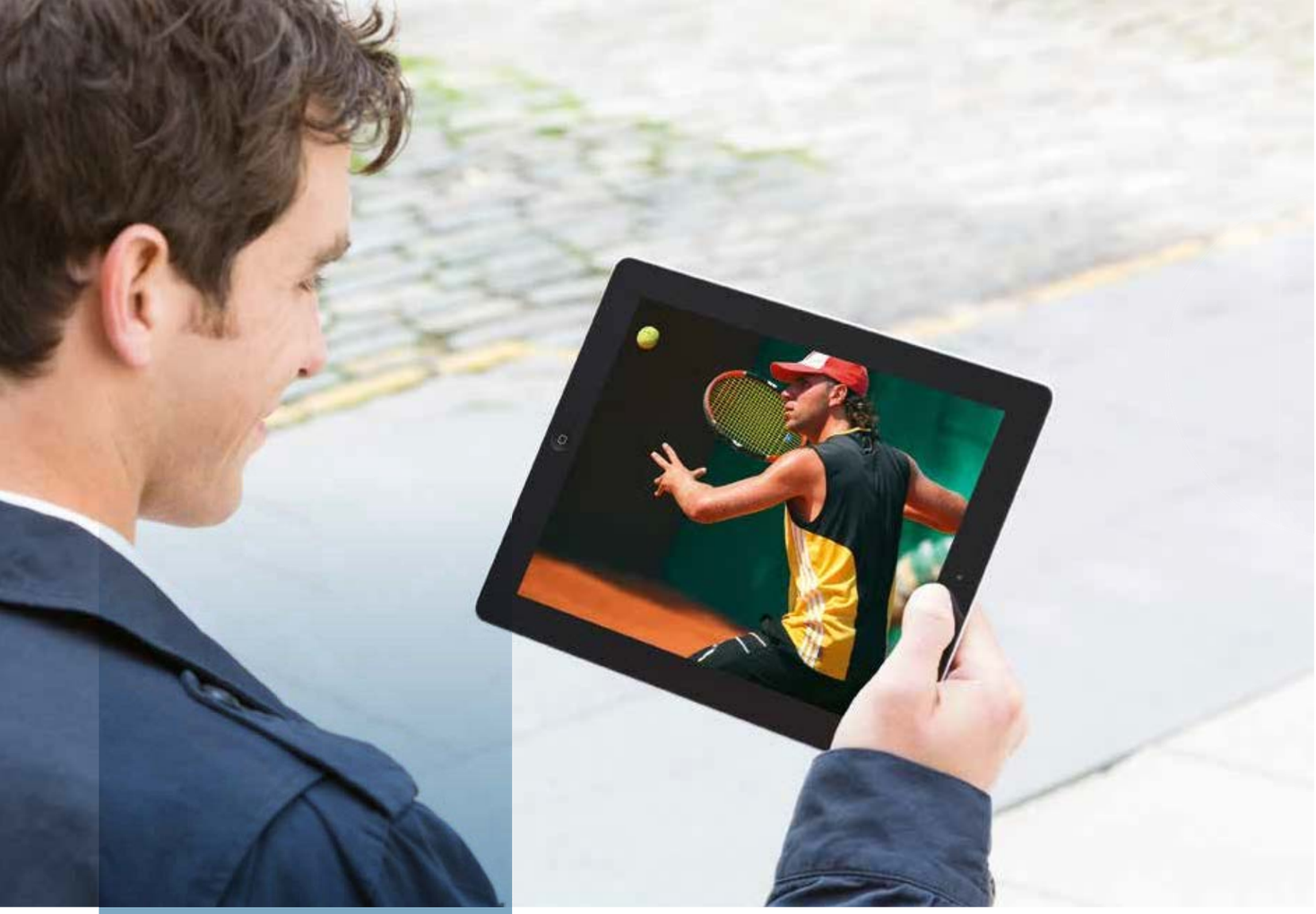
Fast learner: To speed up the time it takes for my Stream to get to know what you like watching, the Panasonic TV remotes for 2014 have a Favorite button you can press whenever you want to give a 'thumbs up' to a programme you like.

Truly personalised: my Stream is all about you. It wants to give you fast and easy access to just the content you personally love. So to make this process as efficient and seamless as possible, the latest Panasonic TVs can use built-in cameras or new Voice Print recognition technology to identify which member of your household is using the TV and automatically call up their my Stream profile.

Visual feast: Not having to present as many programmes as a normal listings page has allowed Panasonic to dramatically enhance the appearance of the my Stream recommendations list. The selected shows appear in a large, scrolling series of tiled windows showing high-resolution thumbnails for the ultimate visual impact. The my Stream interface is highly dynamic too, with some TV models showing moving video in each highlight window while other models use transitional effects to switch between still images. The end result is a futuristic, engaging and incredibly easy-to-use interface perfectly suited to the smart age.

Wide view: The my Stream interface doesn't only populate itself with your broadcast TV recommendations. The same efficient and attractive interface can also be used to show your photos and recorded content.

Easy navigation: The fluid structure and large icons used by the my Stream interface are the perfect match for the newly designed touchpad remote control options supplied with many of the latest Panasonic TVs.



OUTSIDE BROADCASTS

With the latest Panasonic TVs, you're no longer restricted to watching your favourite TV shows in your home.

← WHAT TV ANYWHERE COULD DO FOR YOU

CASE STUDY 1: You're on a train or waiting at an airport and want to kill time watching live TV. So you open up the Panasonic TV Remote 2 App on your phone or tablet, access your TV back at home through the Internet, and stream live footage from your TV's tuners.

← **CASE STUDY 2:** You're watching TV at home, but feel like popping out for a coffee. So you set the TV to record what you're watching, and head out to the coffee shop. Once there you can access the shop's Wi-Fi network and stream to your smartphone the material your TV has recorded.

← **CASE STUDY 3:** You're on holiday when you realise that you've forgotten to set the TV to record your favourite programme. Thankfully, with TV Anywhere you can access your TV's listings and set the recording remotely using your smart device.

TV ANYWHERE: WATCH YOUR TV WHEREVER YOU ARE

Not just for the home: Last year Panasonic TVs escaped your living room by allowing you to share content and control throughout your home network. This year they go a big step further, travelling with you into the world outside. And when we say world, that's exactly what we mean. Thanks to the new TV Anywhere feature, you can now access your TV's content from anywhere on the planet.

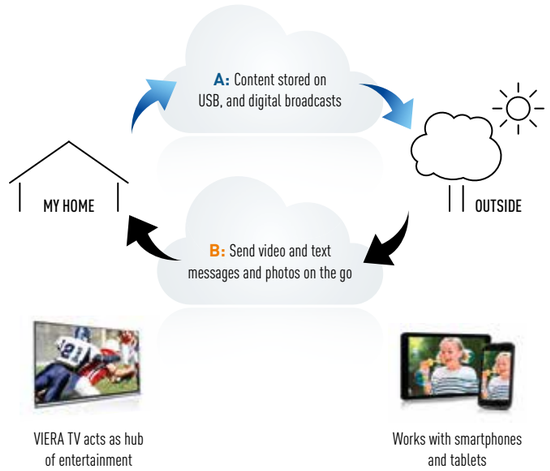
The Panasonic TV Remote 2 App

As well as providing an alternative way of controlling your TV, the TV Remote 2 App now effectively lets you take your TV with you.

How it works: All you need to enjoy TV Anywhere with a new Panasonic TV is a smartphone or tablet loaded with Panasonic's TV Remote 2 App and a broadband connection. You can then connect your smart device to your TV at home via the Internet and share the TV's content – including live broadcasts* and content you've recorded onto a connected USB drive – on the screen of your smart device.

*Broadcaster may limit this function

Two-way street: You're not restricted to just watching content from the TV on your smart device either [A]. You can also set timer recordings on the TV remotely, and even send personal information to the TV [B]. For more on this see page 18.



VIERA TV acts as hub of entertainment

Works with smartphones and tablets

The great TV takeaway

Anyone with a Panasonic TV, an Internet connection and a smartphone or tablet can now access their TV's tuner and USB recordings.

LIFE IN AN INSTANT

Enjoy faster, easier access to the important things in life with the new Panasonic Info Bar.

INFO BAR: FOR THE THINGS THAT MATTER

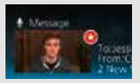
No more fridge magnets: Traditionally families have used fridges and notice boards as their means of shared communication. Thanks to the new Panasonic Info Bar system, though, your TV can become the much tidier and more flexible heart of your family life. The Info Bar is a new stand-alone, on-screen display available on some new Panasonic TVs that gives you instant access to such life essentials as the current time, weather reports, updates and personal messages.

No interaction required: As well as collecting key life information in one place for you, the Info Bar is motion activated. So as soon as the TV detects you entering the room using its built-in motion detector, it emerges from intelligent standby mode and produces your Info Bar. The feature can also be used as a way of instantly turning the TV on without you even needing to pick up a remote.

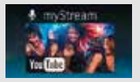
It's all about you: The information shown on the Info Bar is tailored to where you live, showing only local time and weather reports. Plus, of course, all the personal messages the Info Bar shows are connected with members of your family, making it a flexible and comprehensive family hub perfectly suited to today's busy world.

LIFE'S LITTLE ESSENTIALS

There's some information in life that you always need to know but often can't be bothered to track down. So the Info Bar does the hard work for you, calling up the following information at a moment's notice:



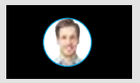
Video and text messages
Family members can leave video or text messages on the TV that the Info Bar makes instantly available to the recipient when they enter the room.



my Stream
See a couple of top highlights from your my Stream content for immediate access or as a reminder to see what else my Stream is recommending.

Time and calendar
Shows at a glance the current date and time of where you live.

Weather report
Find out instantly if you need to take an umbrella when you leave the house!



Face Recognition
Models with built-in or attached cameras can use those cameras to identify who's entered the room and call up the right my Stream and messages accordingly.

Just for storing food!
Thanks to Info Bar the TV finally provides a modern digital replacement for the old fridge magnet family communication system ...

ENJOY FREE ACCESS TO YOUR CLOUD

Most smart TV you buy from the Panasonic 2014 range gives you free access to storage space in the Panasonic Cloud and a my Home Cloud ID to keep your account secure. Into this online storage space you can upload text memos or videos and photos made using either a camera built into or attached to your TV or else the camera built into your smartphone or tablet. The new Panasonic TV Remote 2 App provides the portal for this.

Once you've uploaded your content it remains secured there in the cloud so that it can be accessed by any other my Home Cloud users who you allow to become part of your Home Cloud network.

A whole world of apps

The app store on the latest Panasonic TVs comes with a fresh user interface giving you access to a wide range of apps in a stunning, large-screen TV experience. Enjoy the most popular video and music streaming services, video on demand, sports and much more Internet-based content with just one click of a button. Perfect for everyone who wants to do more than just watch their TV!

UNLOCK THE POWER OF THE CLOUD

The new Panasonic my Home Cloud remote storage system puts your TV at the heart of family life like never before.

MY HOME CLOUD: BRINGING PEOPLE TOGETHER

Remote sharing: The Panasonic TV Cloud-based storage service lets you leave a written message, a photo or even video memos for your family and friends accessible from any Panasonic TV you're logged into. What's more, since these messages are stored online you can send or view them from anywhere in the world via the Panasonic TV Remote 2 App on your smartphone or tablet computer.

Making a date: my Home Cloud lets your whole family synchronise their ever-busier lives with a shared calendar on the TV. You can even add or check dates and events to this calendar remotely via your tablet or smartphone.

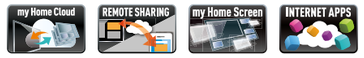
THE PERSONAL TOUCH

More than just an app market: The my Home Cloud feature lets Panasonic create an easy-to-navigate, graphically-rich virtual marketplace from where you can download apps and even find and buy TV-related accessories.

Make it personal: my Home Screen has already received great praise for the way it lets you personalise your smart TV experience. Now, Screen Market takes this personalisation to another level by giving you access to an online library of pre-designed Home Screen layouts built around different themes, such as football clubs, Twitter, gaming, Facebook and YouTube. Just choose the one that best reflects your interests and/or personality.

Your content, your style

Panasonic provides a wide selection of different 'skins' for your my Home Screen experience, so there's sure to be one that suits you.



NO MORE ARGUMENTS!

Panasonic's twin HD tuners mean you no longer have to fight over who gets to watch what.

Getting the bigger picture

If you're fed up with squinting at photos you've taken on your smartphone on its tiny screen, you can 'throw' them to your much bigger Panasonic TV screen just by swiping forward on your phone.

MORE TUNERS **EQUALS MORE FUN**

The twin HD tuners in some Panasonic TVs open up a whole new world of viewing possibilities.

TWIN HD TUNER: TV WITHOUT LIMITS

Most TVs only have a single tuner, leaving you only able to watch or record one programme at a time – hardly a perfect scenario for a typical family. Which is why some Panasonic TVs include twin tuners, to introduce a range of extra viewing and convenience options:

Double Watching:

By combining twin tuners with picture and picture technology, Panasonic TVs let you watch two broadcast programmes simultaneously.

Watch & Record:

You can record two channels at the same time to a connected USB 3.0 storage device, or you can watch one programme on the TV at the same time you're recording another to a connected USB drive.

REC 1

REC 2

Watch & Share:

Combined with the network features available on 2014 Panasonic TVs, the twin tuners in some Panasonic TV models mean you can watch one programme on your TV while someone else watches a different programme on a smartphone or tablet.

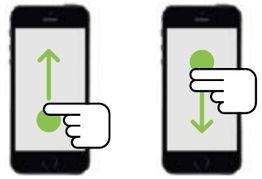
STREAM

Watch & Zap:

You can quickly browse what's showing on other channels via EPG listings and a small second screen picture while you continue to watch the main picture.

SWIPE & SHARE

Network-based features of the latest Panasonic TVs, like Watch & Share, have required the development of a new interface to streamline the content-sharing process. The result is Swipe & Share, which allows you to share content between your TV and your smartphone or tablet simply by swiping your finger on your smart device towards or away from the TV, depending on which direction you want your content to flow. You can even save content between devices if you swipe with two fingers rather than one. It really couldn't be easier.



One finger throws, two fingers save

Swipe your content to or from your smart device with one finger, and you simply share that content between your device and your TV. Use two fingers, though, and you can actually store the thrown content to the target device.

TECHNOLOGY AND DESIGN **IN PERFECT HARMONY**

The latest Panasonic TVs take their design inspiration from furniture, making them the perfect partners for your living room.

Elegance over exuberance

The beautifully understated, new stand design doesn't distract you when the TV's on, but looks lovely when it's off.

DESIGN: MADE FOR LIFE

Panasonic has radically shifted its TV design focus for 2014, reflecting the fact that as screen sizes get bigger TVs should integrate more subtly and harmoniously into people's living rooms.

It's all about the screen: The new Panasonic TV designs seek to focus your attention on their screens and the pictures they contain rather than the bodywork around them. Their screen borders are slim and angular, simply following the lines of the screens they hold, while their tabletop stands use subtle finishes and slender 'open' designs that minimise the TVs' physical impact and make them look like they fit seamlessly onto high-quality sideboards and AV furniture.

Authentic materials: To reinforce the new 'TV as furniture' approach, Panasonic builds its new Premium Design TVs using high-quality authentic materials: predominantly glass and metal.

Everything counts: Panasonic has designed its latest TVs to have zero redundancy. Every element of their form either provides functionality or works to harmonise the TV with your décor and furniture. There is no 'design for design's sake'.

A true 360-degree approach: The sleek new exteriors of the latest Panasonic TVs are designed to reflect the look of the user interface and all of its menus and sub-menus.

WELCOME TO THE NEW HEART OF YOUR HOME

AX900

X940

AX800

AX630

AS800

AS750

AS740

AS650

AS600

AS500

A400

TRUE BRIGHTNESS, DYNAMIC IMAGES

4K ULTRA HD TV

HORIZONTAL PEDESTAL DESIGN WITH BLUE LED LIGHT ENRICHES MODERN DÉCOR

VIERA

AX900

TX-65AX900 | 65"- 164cm | ●
TX-55AX900 | 55"- 139cm | ●

ENERGY EFFICIENCY CLASS B[1]

Ultimate 4K Picture Quality encased in a Modern Art Design

Ultra HD IPS LED TV with 3000Hz (BLS) – superior highest-speed panel for amazing images, motion clarity and 3D
Quad Core Pro5 – powerful processor, with HEVC decoder, for next-generation 4K entertainment and ultimate images
Local Dimming Ultra – highest class of dimming delivers dynamic images with deepest blacks and ultra whites
4K Studio Master Drive – for more accurate colour and richer, smoother gradation at virtually any brightness
my Stream – enjoy content recommended to match your preferences, easily via an intuitive interface

1) Tentative

4K ULTRA HD TV

3D | 3000Hz INTELLIGENT FRAME CREATION PRO 4K | LOCAL DIMMING ULTRA | 4K STUDIO MASTER DRIVE | THX 2K DISPLAY | STUDIO MASTER COLOUR | TV ANYWHERE

ELEGANT MATERIALS
ELABORATE ON IMPRESSIVELY
LARGE SCREEN

VIERA

X940

TX-85X940 | 85"- 215cm | ●

ENERGY EFFICIENCY CLASS B[1]

Impressive 4K Pictures across an Ultra-Large Screen

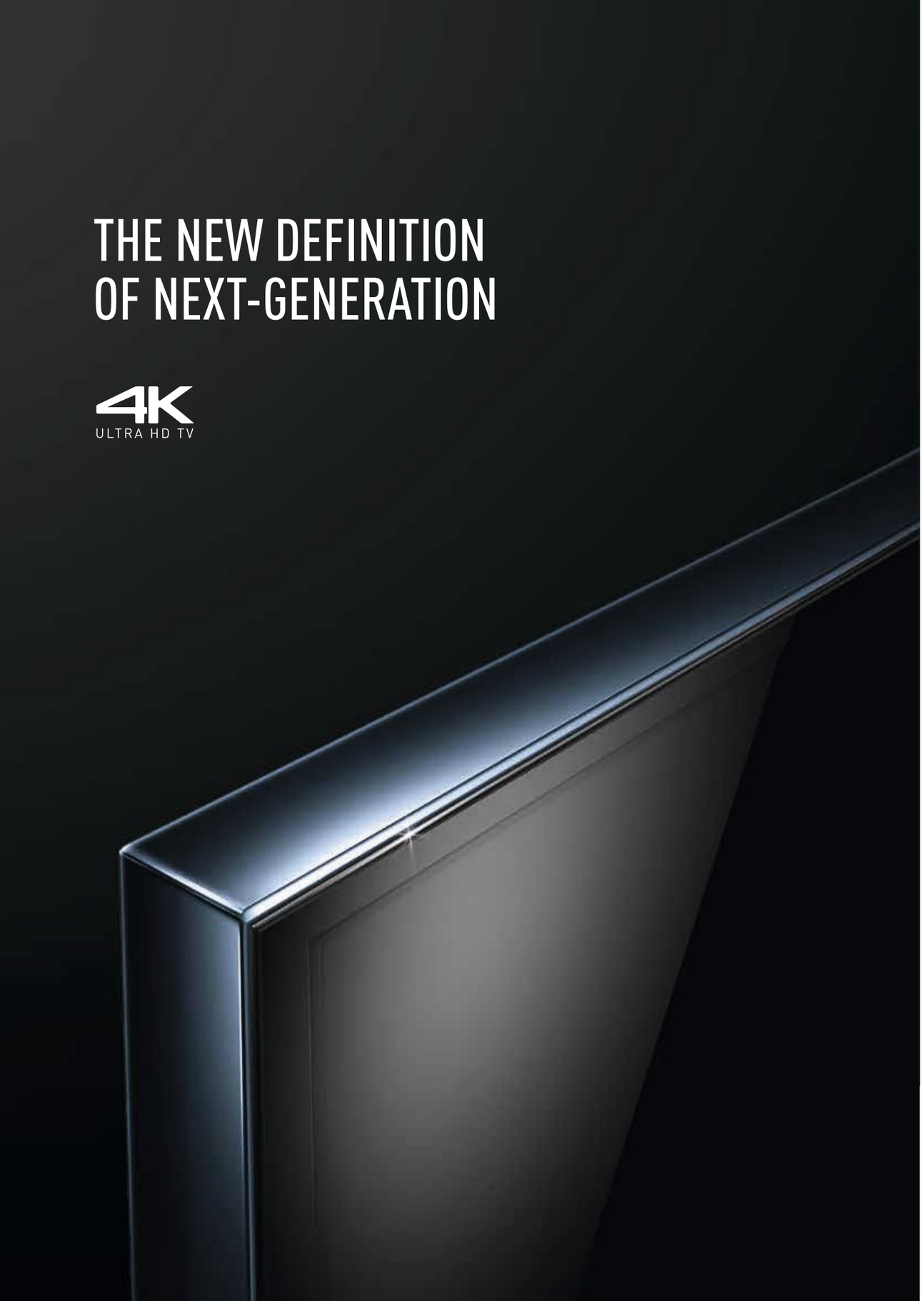
Ultra HD LED TV with 2000Hz (BLS) – exceptionally fast panel for impressive motion picture quality and 3D
Quad Core Pro5 – powerful processor, with HEVC decoder, for next-generation 4K entertainment and ultimate images
Local Dimming Pro – enjoy added dynamics with robust blacks and delicate gradation
4K Studio Master Drive – for more accurate colour and richer, smoother gradation at virtually any brightness
TV Anywhere – your entertainment, from the TV to your Web-enabled mobile device, even outside the home

1) Tentative

4K ULTRA HD TV

THE NEW DEFINITION OF NEXT-GENERATION

4K ULTRA HD TV



SLEEK METAL PEDESTAL
ENHANCES HARMONIC
HOME INTERIOR

VIERA

AX800

ENERGY EFFICIENCY CLASS B

TX-65AX800 | 65"- 164cm | ●
TX-58AX800 | 58"- 146cm | ●
TX-50AX800 | 50"- 126cm | ●

Superb 4K Images meet Cutting-Edge Connectivity Options

Ultra HD LED TV with 2000Hz (BLS) – exceptionally fast panel for impressive motion picture quality and 3D
4K Studio Master Drive – for more accurate colour and richer, smoother gradation at virtually any brightness
Hexa-Processing Engine Pro – fast processing power, with HEVC decoder, delivers thrilling 4K entertainment
my Stream – enjoy content recommended to match your preferences, easily via an intuitive interface
Info Bar – walk by the TV in standby and immediately get the time, weather, any new messages and more

4K ULTRA HD TV

3D | 2000Hz BLS INTELLIGENT FRAME CREATION 4K | LOCAL DIMMING PRO | STUDIO MASTER COLOUR | THX 2K DISPLAY | TWIN HD TUNER | TV ANYWHERE

SLIM BEZEL HARMONISES
WITH STYLISH SILVER
AND BLACK ELEMENTS

VIERA

AX630

ENERGY EFFICIENCY CLASS A[1]

Stylish 4K LED TV with Innovative TV Anywhere Functionality

TX-55AX630 | 55"- 139cm |
TX-48AX630 | 48"- 121cm |
TX-40AX630 | 40"- 102cm |

Ultra HD LED TV with 1200Hz (BLS) – high-speed 4K panel for brilliant, smooth motion picture quality and 3D
TV Anywhere – your entertainment, from the TV to your Web-enabled mobile device, even outside the home
Brilliant Contrast – revel in a thrilling viewing experience with high brightness, great black levels and rich depth
Internet Apps – browse the Web, access social sites, enjoy Skype video calls and big-screen entertainment
my Stream – enjoy content recommended to match your preferences, easily via an intuitive interface

1) Tentative

4K ULTRA HD TV

3D | 1200Hz INTELLIGENT FRAME CREATION | TV ANYWHERE | BRILLIANT CONTRAST | VOICE ASSISTANT | INTERNET APPS | my Stream

ELEGANT METAL FINISH
HIGHLIGHTS EXCLUSIVE,
PREMIUM DESIGN

VIERA

AS800

ENERGY EFFICIENCY CLASS A[1]

Immersive Images, Full Connectivity and Luxury Design

TX-60AS800 | 60"- 151cm |
TX-55AS800 | 55"- 139cm |
TX-47AS800 | 47"- 119cm |

Full HD IPS LED TV with 1800Hz (BLS) – high-performance panel for stunning motion picture quality and 3D
Advanced Colour Spectrum – means more intense viewing with a natural colour range and brighter images
Local Dimming – revel in entertainment with more depth thanks to deep blacks and fine dark gradations
Hexa-Processing Engine – fast processing power delivers a thrilling entertainment experience
my Stream – enjoy content recommended to match your preferences, easily via an intuitive interface

1) TX-60AS800: A+ class

IPS LED

3D | 1800Hz INTELLIGENT FRAME CREATION | STUDIO MASTER DRIVE | LOCAL DIMMING | BUILT-IN CAMERA | IHX | TV ANYWHERE

FULL-METAL DESIGN
EMBELLISHES
PREMIUM LOOK

AS750

ENERGY EFFICIENCY CLASS A++[1]

Full HD and State-of-the-art Networking in an Elegant Design

TX-55AS750 I 55"- 139cm I
TX-47AS750 I 47"- 119cm I
TX-42AS750 I 42"- 106cm I

Full HD IPS LED TV with 1200Hz (BLS) – high-speed panel for brilliant, smooth motion picture quality and 3D
Twin Tuner – viewing freedom: watch one broadcast and record another or watch two at the same time
TV Anywhere – your entertainment, from the TV to your Web-enabled mobile device, even outside the home
my Stream – enjoy content recommended to match your preferences, easily via an intuitive interface

1) TX-42AS750: A+ class

IPS LED

3D | 1200Hz BLS INTELLIGENT FRAME CREATION | TWIN HD TUNER | TV ANYWHERE | my Stream | VOICE ASSISTANT | 178°

PREMIUM PEDESTAL
COMPLEMENTS
METAL ELEGANCE

AS740

ENERGY EFFICIENCY CLASS A++[1]

Premium-design Smart TV with Built-in Camera

TX-55AS740 I 55"- 139cm I
TX-47AS740 I 47"- 119cm I
TX-42AS740 I 42"- 106cm I

Full HD IPS LED TV with 1200Hz (BLS) – high-speed panel for brilliant, smooth motion picture quality and 3D
Built-in camera – take Skype™ video calls, or get your personalised my Home Screen from Face Recognition
TV Anywhere – your entertainment, from the TV to your Web-enabled mobile device, even outside the home
my Stream – enjoy content recommended to match your preferences, easily via an intuitive interface

1) TX-42AS740: A+ class

IPS LED

3D | 1200Hz BLS INTELLIGENT FRAME CREATION | BUILT-IN CAMERA | TV ANYWHERE | my Stream | VOICE ASSISTANT | 178°

SLIM BEZEL HARMONISES WITH STYLISH SILVER AND BLACK ELEMENTS

AS650

ENERGY EFFICIENCY CLASS A++[1]

Advanced Smart TV Features paired with Smooth Motion Pictures

TX-60AS650 | 60"- 151cm | ●
TX-55AS650 | 55"- 139cm | ●
TX-50AS650 | 50"- 126cm | ●
TX-47AS650 | 47"- 119cm | ●
TX-42AS650 | 42"- 106cm | ●
TX-39AS650 | 39"- 98cm | ●

Full HD IPS[2] LED TV with 1200Hz (BLS) – high-speed panel for brilliant, smooth motion picture quality and 3D
TV Anywhere – your entertainment, from the TV to your Web-enabled mobile device, even outside the home
my Stream – enjoy content recommended to match your preferences, easily via an intuitive interface
178° wide viewing angle[3] – spectacular colour, contrast and brightness for best viewing from virtually any seat

1) TX-60AS650: A+ class, TX-42AS650: A+ class, TX-39AS650: A+ class 2) 39" model features Slim LED LCD 3) 39" model features 176° viewing angle

IPS LED | 3D | 1200Hz BLS INTELLIGENT FRAME CREATION | TV ANYWHERE | my Stream | VOICE ASSISTANT | INTERNET APPS | 178°[3]

MODERN SILVER STRIP EMPHASISES SLIM DESIGN

AS600

ENERGY EFFICIENCY CLASS A+[1]

Full HD Viewing in Style with Easy Network Connectivity

TX-50AS600 | 50"- 126cm | ●
TX-42AS600 | 42"- 105cm | ● ○
TX-39AS600 | 39"- 98cm | ● ○
TX-32AS600[3] | 32"- 80cm | ● ○

Full HD LED TV with 100Hz (BLB) and Dual-Core CPU – for great picture quality and seemless Smart features
my Stream – enjoy content recommended to match your preferences, easily via an intuitive interface
Internet Apps – browse the Web, access social sites, enjoy Skype video calls and big-screen entertainment
Voice Assistant[2] – simply use your voice to control the TV, search through your media or browse the Web

1) TX-50AS600: A++ class, TX-32AS600: A class 2) Requirements for Voice Assistant: smartphone or tablet and the TV Remote 2 App. Voice Print functionality is not available.
3) Pedestal varies from displayed model

SLIM LED | 100Hz Back Light Blinking | my Stream | DUAL-CORE x2 | VOICE ASSISTANT[2] | INTERNET APPS | Wireless LAN Built-in | SWIPE & SHARE

DISCREET NARROW
BEZEL ATOP
A SLIM PEDESTAL

VIERA

AS500

ENERGY EFFICIENCY CLASS A+

TX-50AS500 I 50"- 126cm I ●
TX-42AS500 I 42"- 106cm I ●
TX-39AS500 I 39"- 98cm I ●
TX-32AS500 I 32"- 80cm I ●
TX-24AS500[2] I 24"- 60cm I ●

Smart Features paired with Vivid Picture Quality

Full HD[1] LED TV with 100Hz (BLB) – enjoy clear motion quality for fast-moving action or sports
my Home Screen – customise the start-up screen to quickly access your favourite apps or the App Market
Internet Apps – browse the Web, access social sites, enjoy Skype video calls and big-screen entertainment
Swipe & Share – use your mobile device with Panasonic TV Remote 2 App to stream media directly to the TV

1) 32" and 24" models are HD ready only 2) Pedestal varies from displayed model

LED

100Hz Back Light Blinking | my Home Screen | INTERNET APPS | Wireless LAN built-in | HIGH CONTRAST | SWIPE & SHARE | MEDIA PLAYER

DISCREET NARROW
BEZEL IN BLACK

VIERA

A400

ENERGY EFFICIENCY CLASS A+

TX-50A400 I 50"- 126cm I ●
TX-42A400 I 42"- 106cm I ●
TX-39A400 I 39"- 98cm I ●
TX-32A400[2] I 32"- 80cm I ●

High Definition Picture Quality in a Slim Design

Full HD[1] LED TV with 100Hz (BLB) – enjoy clear motion quality for fast-moving action or sports
Media Player – play back photos, movies and music on the TV easily from any USB storage device
High Contrast – delivers deep blacks and bright whites for more dynamic images with great colour
V-Audio – enjoy rich sound from high-quality two-directional speakers

1) 32" model is HD ready only 2) Pedestal varies from displayed model

LED

100Hz Back Light Blinking | MEDIA PLAYER | HIGH CONTRAST | V-Audio | USB | HDMI x2 | SUPER NARROW BEZEL

AX900

Model Number I Visible Screen Size (Diagonal)

TX-65AX900 I 65" (164cm)
TX-55AX900 I 55" (139cm)

X940

TX-85X940 I 85" (215cm)

AX800

TX-65AX800 I 65" (164cm)
TX-58AX800 I 58" (146cm)
TX-50AX800 I 50" (126cm)

AX630

TX-55AX630 I 55" (139cm)
TX-48AX630 I 48" (121cm)
TX-40AX630 I 40" (102cm)

AS800

TX-60AS800 I 60" (151cm)
TX-55AS800 I 55" (139cm)
TX-47AS800 I 47" (119cm)

GENERAL	AX900	X940	AX800	AX630	AS800	AS750	AS740	AS650	AS600	AS500	A400
Technology	4K ULTRA HD TV	4K ULTRA HD TV	4K ULTRA HD TV	4K ULTRA HD TV	IPS LED	IPS LED	IPS LED	IPS LED[1]	SLIM LED	LED	LED
Resolution	3840x2160p	3840x2160p	3840x2160p	3840x2160p	FULL HD	FULL HD	FULL HD	FULL HD	FULL HD	FULL HD[2]	FULL HD[3]

PICTURE & SOUND QUALITY	AX900	X940	AX800	AX630	AS800	AS750	AS740	AS650	AS600	AS500	A400
Motion (Hz)	3000Hz INTELLIGENT FRAME CREATION PRO 4K	2000Hz INTELLIGENT FRAME CREATION PRO 4K	2000Hz INTELLIGENT FRAME CREATION 4K	1200Hz INTELLIGENT FRAME CREATION	1800Hz INTELLIGENT FRAME CREATION	1200Hz INTELLIGENT FRAME CREATION	1200Hz INTELLIGENT FRAME CREATION	1200Hz INTELLIGENT FRAME CREATION	100Hz Back Light Blinking	100Hz Back Light Blinking	100Hz Back Light Blinking
THX	THX 2K DISPLAY	THX 2K DISPLAY	THX 2K DISPLAY		THX						
Studio Master Drive	STUDIO MASTER DRIVE	STUDIO MASTER DRIVE	STUDIO MASTER DRIVE		STUDIO MASTER DRIVE						
Local Dimming	LOCAL DIMMING ULTRA	LOCAL DIMMING PRO	LOCAL DIMMING PRO		LOCAL DIMMING						
Exceptional Colour Range	STUDIO MASTER COLOUR	STUDIO MASTER COLOUR	STUDIO MASTER COLOUR		ADVANCED COLOUR SPECTRUM						
3D	3D	3D	3D	3D	3D	3D	3D	3D			
Pure Direct	4K PURE DIRECT	4K PURE DIRECT	4K PURE DIRECT	4K PURE DIRECT	1080P PURE DIRECT	1080P PURE DIRECT	1080P PURE DIRECT	1080P PURE DIRECT			
Processing Engine	QUAD-CORE PRO x4	QUAD-CORE PRO x4	HEXA-PROCESSING ENGINE PRO	DUAL-CORE x2	HEXA-PROCESSING ENGINE	DUAL-CORE x2	DUAL-CORE x2	DUAL-CORE x2	DUAL-CORE x2	Vreal DIGITAL	Vreal PRO
Content Optimizer	CONTENT OPTIMIZER PRO	CONTENT OPTIMIZER PRO	CONTENT OPTIMIZER PRO	CONTENT OPTIMIZER PLUS	CONTENT OPTIMIZER PRO	CONTENT OPTIMIZER PLUS	CONTENT OPTIMIZER PLUS	CONTENT OPTIMIZER PLUS	CONTENT OPTIMIZER	CONTENT OPTIMIZER	CONTENT OPTIMIZER
Viewing Angle	178°	176°	176°	176°	178°	178°	178°	178°[4]	176°	176°	176°
Contrast	ULTIMATE CONTRAST	SUPREME CONTRAST	SUPREME CONTRAST	BRILLIANT CONTRAST	SUPREME CONTRAST	BRILLIANT CONTRAST	BRILLIANT CONTRAST	BRILLIANT CONTRAST	HIGH CONTRAST	HIGH CONTRAST	HIGH CONTRAST
Audio	VR-Audio MULTI RECORDING 2.1	VR-Audio MULTI RECORDING 2.1	VR-Audio PURE SPEAKER 2.1	VR-Audio 3D SURROUND	VR-Audio PURE SPEAKER 2.1	VR-Audio 3D SURROUND	VR-Audio 3D SURROUND	VR-Audio 3D SURROUND	V-Audio	V-Audio	V-Audio

ECO	AX900	X940	AX800	AX630	AS800	AS750	AS740	AS650	AS600	AS500	A400
Energy Efficiency Class	B[6]	B[6]	B	A[6]	A TX-60AS800: A+	A++ TX-42AS750: A+	A++ TX-42AS740: A+	A++ TX-60AS650: A+ TX-42AS650: A+ TX-39AS650: A+	A+ TX-50AS600: A++ TX-32AS600: A	A+	A+

1) 39" model features Slim LED LCD 2) 32"/24" models are HD ready only 3) 32" model is HD ready only 4) 39" model features 176° viewing angle
5) Requirements for Voice Assistant: smartphone or tablet and the Panasonic TV Remote 2 App. Voice Print functionality is not available on AS600 Series. 6) Tentative 7) HDMI 2.0 only

AS750

Model Number I Visible Screen Size (Diagonal)

TX-55AS750 I 55" (139cm)
TX-47AS750 I 47" (119cm)
TX-42AS750 I 42" (106cm)

AS740

TX-55AS740 I 55" (139cm)
TX-47AS740 I 47" (119cm)
TX-42AS740 I 42" (106cm)

AS650

TX-60AS650 I 60" (151cm)
TX-55AS650 I 55" (139cm)
TX-50AS650 I 50" (126cm)
TX-47AS650 I 47" (119cm)
TX-42AS650 I 42" (106cm)
TX-39AS650 I 39" (98cm)

AS600

TX-50AS600 I 50" (126cm)
TX-42AS600 I 42" (105cm)
TX-39AS600 I 39" (98cm)
TX-32AS600 I 32" (80cm)

AS500

TX-50AS500 I 50" (126cm)
TX-42AS500 I 42" (106cm)
TX-39AS500 I 39" (98cm)
TX-32AS500 I 32" (80cm)
TX-24AS500 I 24" (60cm)

A400

TX-50A400 I 50" (126cm)
TX-42A400 I 42" (106cm)
TX-39A400 I 39" (98cm)
TX-32A400 I 32" (80cm)

NETWORKING	AX900	X940	AX800	AX630	AS800	AS750	AS740	AS650	AS600	AS500	A400
4K 50/60P Input	4K 50/60P INPUT	4K 50/60P INPUT	4K 50/60P INPUT	4K 50/60P INPUT[7]							
Twin HD Tuner (2x CI Slots)	TWIN HD TUNER	TWIN HD TUNER	TWIN HD TUNER		TWIN HD TUNER	TWIN HD TUNER					
Built-in Camera	BUILT-IN CAMERA	BUILT-IN CAMERA	BUILT-IN CAMERA		BUILT-IN CAMERA		BUILT-IN CAMERA				
USB Recording	USB HDD RECORDING	USB HDD RECORDING	USB HDD RECORDING	USB HDD RECORDING	USB HDD RECORDING	USB HDD RECORDING	USB HDD RECORDING	USB HDD RECORDING			
Internet Apps	INTERNET APPS	INTERNET APPS	INTERNET APPS	INTERNET APPS	INTERNET APPS	INTERNET APPS	INTERNET APPS	INTERNET APPS	INTERNET APPS	INTERNET APPS	
Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	
Web Browser	Web Browser 4K	Web Browser 4K	Web Browser 4K	Web Browser	Web Browser	Web Browser	Web Browser	Web Browser	Web Browser	Web Browser	
Display Mirroring	DISPLAY MIRRORING	DISPLAY MIRRORING	DISPLAY MIRRORING	DISPLAY MIRRORING	DISPLAY MIRRORING	DISPLAY MIRRORING	DISPLAY MIRRORING	DISPLAY MIRRORING	DISPLAY MIRRORING	DISPLAY MIRRORING	
Media Player	4K MEDIA PLAYER	4K MEDIA PLAYER	4K MEDIA PLAYER	MEDIA PLAYER	MEDIA PLAYER	MEDIA PLAYER	MEDIA PLAYER	MEDIA PLAYER	MEDIA PLAYER	MEDIA PLAYER	MEDIA PLAYER

EASY OPERATION	AX900	X940	AX800	AX630	AS800	AS750	AS740	AS650	AS600	AS500	A400
my Stream	my Stream	my Stream	my Stream	my Stream	my Stream	my Stream	my Stream	my Stream	my Stream		
my Home Screen	my Home Screen	my Home Screen	my Home Screen	my Home Screen	my Home Screen	my Home Screen	my Home Screen	my Home Screen	my Home Screen	my Home Screen	
TV Anywhere	TV ANYWHERE	TV ANYWHERE	TV ANYWHERE	TV ANYWHERE	TV ANYWHERE	TV ANYWHERE	TV ANYWHERE	TV ANYWHERE			
Info Bar	INFO BAR	INFO BAR	INFO BAR		INFO BAR						
4K Online Player	4K ONLINE PLAYER	4K ONLINE PLAYER	4K ONLINE PLAYER								
Voice Assistant	VOICE ASSISTANT	VOICE ASSISTANT	VOICE ASSISTANT	VOICE ASSISTANT	VOICE ASSISTANT	VOICE ASSISTANT	VOICE ASSISTANT	VOICE ASSISTANT	VOICE ASSISTANT	VOICE ASSISTANT[5]	VOICE GUIDANCE
Panasonic TV Remote 2 App	REMOTE APP 2	REMOTE APP 2	REMOTE APP 2	REMOTE APP 2	REMOTE APP 2	REMOTE APP 2	REMOTE APP 2	REMOTE APP 2	REMOTE APP 2	REMOTE APP 2	REMOTE APP 2
Swipe & Share	4K SWIPE & SHARE	4K SWIPE & SHARE	4K SWIPE & SHARE	SWIPE & SHARE	SWIPE & SHARE	SWIPE & SHARE	SWIPE & SHARE	SWIPE & SHARE	SWIPE & SHARE	SWIPE & SHARE	SWIPE & SHARE
Touch Pad Remote	TOUCH PAD REMOTE	TOUCH PAD REMOTE	TOUCH PAD REMOTE	TOUCH PAD REMOTE	TOUCH PAD REMOTE	TOUCH PAD REMOTE	TOUCH PAD REMOTE	TOUCH PAD REMOTE	TOUCH PAD REMOTE		
3D Eyewear Included	2X INCLUDED	2X INCLUDED	2X INCLUDED		2X INCLUDED	2X INCLUDED	2X INCLUDED	2X INCLUDED	2X INCLUDED	1X INCLUDED	

TENTATIVE

VIERA LED LCD TV

		AX900 Series	X940 Series	AX800 Series	AX630 Series	AS800 Series
DISPLAY	Panel / Aspect Ratio 16:9	4K ULTRA HD LED LCD (Ultra Bright)	4K ULTRA HD LED LCD	4K ULTRA HD LED LCD	4K ULTRA HD LED LCD (Super Bright)	IPS LED (Super Bright)
	Panel Drive	4K 3000Hz BLS IFC PRO	4K 2000Hz BLS IFC PRO	4K 2000Hz BLS IFC	4K 1200Hz BLS IFC	1800Hz BLS IFC
	Viewing Angle	178 degrees	176 degrees	176 degrees	176 degree	178 degrees
	Contrast	Ultimate Contrast	Supreme Contrast	Supreme Contrast	Brilliant Contrast	Supreme Contrast
	Exceptional Colour Filter	Studio Master Colour	Studio Master Colour	Studio Master Colour	–	Advanced Colour Spectrum
	Studio Master Drive	•	•	•	–	•
	Local Dimming	Local Dimming Ultra	Local Dimming Pro	Local Dimming Pro	–	Local Dimming
	Content Optimizer	Content Optimizer Pro	Content Optimizer Pro	Content Optimizer Pro	Content Optimizer Plus	Content Optimizer Pro
	THX Certified Display	• (4K) TBC	• (4K) TBC	• (4K)	–	•
	4K / 1080p Pure Direct	• (4K)	• (4K)	• (4K)	• (4K)	• (1080p)
	isf Mode	•	•	•	–	•
3D	3D Type	• (Polarised)	• (Active)	• (Active)	• (Active)	• (Polarised)
	2D-3D Conversion	•	•	•	•	•
SOUND QUALITY	Surround Mode	VR-Audio Master Surround 2.1	VR-Audio Master Surround 2.1	VR-Audio Pro Surround 2.1	VR-Audio True Surround	VR-Audio Pro Surround 2.1
	Speaker Output	18 W (4 + 4 + 10)	40 W (10 + 10 + 20)	18W (4 + 4 + 10)	20 W (10 + 10)	18W (4 + 4 + 10)
	Stage Surround Sound	•	•	•	–	•
EASY OPERATION	my Home Screen	•	•	•	•	•
	my Stream*11	•	•	•	•	•
	Voice Assistant*1	•	•	•	•	•
	Voice Command / Voice Guidance	• / •	• / •	• / •	• / •	• / •
	Touch Pad Remote (with my Button)	•	•	•	•	•
	Info Bar	•	•	•	–	•
	Camera Integrated	•	•	•	–*2	•
	eHelp	•	•	•	•	•
NETWORKING	Digital Tuner Reception	DVB-T/T2/DVB-S2/DVB-C	DVB-T/T2/DVB-S2/DVB-C	DVB-T/T2/DVB-S2/DVB-C	DVB-T/T2/DVB-C	DVB-T/T2/DVB-S2/DVB-C
	Twin HD Tuner / HD Triple Tuner	•	•	•	–	•
	Processing Engine	Quad Core Pro5	Quad Core Pro5	Hexa-Processing Engine Pro	Dual-Core Plus	Hexa-Processing Engine
	Wireless LAN built-in	•	•	•	•	•
	my Home Cloud	–	–	•	•	•
	TV Anywhere / Remote Sharing*12	• / –	• / –	• / •	• / •	• / •
	Panasonic TV Remote 2 App	•	•	•	•	•
	Swipe & Share / Live TV Streaming*3	• / •	• / •	• / •	• / •	• / •
	Smart Calibration	•	•	•	–	•
	Internet Apps	•	•	•	•	•
	Web Browser*4	•	•	•	•	•
	Panasonic 4K Channel	•	•	•	–	–
	Display Mirroring	•	•	•	•	•
	Network File Sharing	• (Server/Client)	• (Server/Client)	• (Server/Client)	• (Client)	• (Client)
	DLNA	• (RUI2.0/DTCP-IP/DMP/DMR/DMS)	• (RUI2.0/DTCP-IP/DMP/DMR/DMS)	• (RUI2.0/DTCP-IP/DMP/DMR/DMS)	• (RUI2.0/DTCP-IP/DMP/DMR/DMS)	• (RUI2.0/DTCP-IP/DMP/DMR/DMS)
	Bluetooth*5	•*10	•*10	•*10	•*10	•
	Media Player (Picture/Movie/Music)	•	•	•	•	•
	HbbTV	•	•	•	•	•
	USB-HDD Recording	•	•	•	•	•
	Multi Window	2-Tuner PAP/PIP/PAT	2-Tuner PAP/PIP/PAT	2-Tuner PAP/PIP/PAT	1-Tuner PAP/PIP/PAT	2-Tuner PAP/PIP/PAT
	Hotel Mode / Game Mode	• / •	• / •	• / •		• / •
ECO	Suppliers Trademark	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic
	Model ID	TX-65AX900E, TX-55AX900E	TX-65X940E	TX-65AX800E, TX-58AX800E, TX-50AX800E	TX-55AX630E, TX-49AX630E, TX-40AX630E	TX-60AS800E, TX-55AS800E, TX-47AS800E
	Energy Efficiency Class	B (TBC)	B (TBC)	B	A (TBC)	60"- A+, 55"- A, 47"- A
	Visible Screen Size (diagonal)	65"- 164cm, 55"- 139cm	85"- 215cm	65"- 164cm, 58"- 146cm, 50"- 126cm	55"- 139cm, 48"- 121cm, 40"- 102cm	60"- 151cm, 55"- 139cm, 47"- 119cm
	On Mode Average Power Consumption*6	TBC	TBC	65"- 226W, 58"- 182W, 50"- 138W	TBC	60"- 107W, 55"- 106W, 47"- 90W
	Annual Energy Consumption*7	TBC	TBC	65"- 313kWh/year, 58"- 252kWh/year, 50"- 191kWh/year	TBC	60"- 148kWh/year, 55"- 147kWh/year, 47"- 125kWh/year
	Standby Power Consumption	TBC	TBC	0.20W	TBC	0.20W
	Off Mode Power Consumption	TBC	TBC	0.20W	TBC	0.20W
	Screen Resolution	3,840 (W) x 2,160 (H)	3,840 (W) x 2,160 (H)	3,840 (W) x 2,160 (H)	3,840 (W) x 2,160 (H)	1,920 (W) x 1,080 (H)
	Power Supply	AC 220–240V, 50/60Hz	AC 220–240V, 50/60Hz	AC 220–240V, 50/60Hz	AC 220–240V, 50/60Hz	AC 220–240V, 50/60Hz
	Rated Power Consumption	TBC	TBC	65"- 317W, 58"- 272W, 50"- 237W	TBC	60"- 284W, 55"- 254W, 47"- 202W
	Ambient Sensor	•	•	•	•	•
TERMINAL	DisplayPort (4K 60/50p Input)	1 (bottom)	1 (bottom)	1 (bottom)	–	–
	HDMI / HDMI (4K 60/50p Input)	– / 3 (side), 1 (bottom)	– / 3 (side), 1 (bottom)	3 (side) / 1 (bottom)	– / 3 (bottom)	3 (side), 1 (bottom) / –
	Support Feature	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2/4 select.)	Audio Return Channel (Input 1/2 select.)	Audio Return Channel (Input 2)
	HDCP 2.2	•	•	•	•	–
	USB	3 (side; USB 3.0 x 1, USB 2.0 x 2)	3 (side; USB 3.0 x 1, USB 2.0 x 2)	3 (side; USB 3.0 x 1, USB 2.0 x 2)	2 (side; USB 2.0 x 2)	3 (side; USB 3.0 x 1, USB 2.0 x 2)
	LAN Port	1 (bottom)	1 (bottom)	1 (bottom)	1 (bottom)	1 (bottom)
	CI (Common Interface)	2 (CI Plus, Version 1.3)	2 (CI Plus, Version 1.3)	2 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	2 (CI Plus, Version 1.3)
	SD Card / Scart Connector	• (SDXC) / 1 (bottom)	• (SDXC) / 1 (bottom)	• (SDXC) / 1 (bottom)	• (SDXC) / 2 (rear)	• (SDXC) / 1 (bottom)
	Component Video Input shared w. Composite	RCA phono type x 1 (bottom)	RCA phono type x 1 (bottom)	RCA phono type x 1 (bottom)	RCA phono type x 1 (rear)	RCA phono type x 1 (bottom)
	Digital Audio Output (Optical) / Headphone	1 (side) / 1 (side)	1 (side) / 1 (side)	1 (side) / 1 (side)	1 (bottom) / 1 (side)	1 (side) / 1 (side)
GENERAL	Included Accessory*8	Touch Pad Remote / TV Remote / 3D Glasses (2 pcs)	Touch Pad Remote / TV Remote / 3D Glasses (2 pcs)	Touch Pad Remote / TV Remote / 3D Glasses (2 pcs)	Touch Pad Remote / TV Remote	Touch Pad Remote / TV Remote / 3D Glasses (2 pcs)
	Dimensions (W x H x D) (w/o stand)	65"- 1,457 x 864 x 60mm, 55"- 1,238 x 741 x 59mm	85"- 1,917 x 1,135 x 85mm	65"- 1,466 x 863 x 45mm, 58"- 1,306 x 779 x 42mm, 50"- 1,131 x 673 x 42mm	55"-1,242 x 716 x 62mm, 48"-1,087 x 632 x 60mm, 40"-919 x 537 x 60mm	60"- 1,350 x 787 x 53mm, 55"- 1,242 x 727 x 53mm, 47"- 1,072 x 631 x 53mm
	Dimensions (W x H x D) (with stand)	65"- 1,457 x 863 x 356mm, 55"- 1,238 x 740 x 283mm	85"- 1,917 x 1,163 x 351mm	65"- 1,466 x 887 x 368mm, 58"- 1,306 x 803 x 294mm, 50"- 1,131 x 697 x 238mm	55"- 1,242 x 761 x 292mm, 48"- 1,087 x 677 x 214mm, 40"- 919 x 582 x 202mm	60"- 1,350 x 812 x 303mm, 55"- 1,242 x 752 x 247mm, 47"- 1,072 x 656 x 253mm
	Weight (w/o stand)	65"-35.0kg, 55"-26.0kg	85"- 73.5kg	65"- 41.0kg, 58"- 33.0kg, 50"- 24.0kg	TBC	60"- 25.0kg, 55"- 21.0kg, 47"- 17.0kg
	Weight (with stand)	65"-52.0kg, 55"-38.5kg	85"- 87.0kg	65"- 59.0kg, 58"- 48.0kg, 50"- 34.0kg	TBC	60"- 34.0kg, 55"- 30.0kg, 47"- 23.0kg
	VESA Compatible	•	•	•	•	•

*1 Availability depending on location. *2 Skype Camera is optionally available. *3 Live TV Streaming depends on legal rights and allowance by country, broadcaster and content. *4 The Web Browser cannot display some Web pages correctly. And viewable content by VIERA Web Browser is subject to the following conditions: viewable content may vary depend on models, viewable content may differ from those for PC, viewable content may be limited. *5 HID (Human Interface Device Profile) compliant keyboards are available. A2DP (Advanced Audio Distribution Profile) compliant audio devices are available. *6 Based on IEC 62087 Ed.2 measurement method. *7 Energy consumption XYZ kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.

AS750 Series	AS740 Series	AS650 Series	AS600 Series	AS500 Series	A400 Series
IPS LED	IPS LED	IPS LED (39"= Slim LED LCD)	Slim LED LCD	LED LCD	LED LCD
1200Hz BLS IFC	1200Hz BLS IFC	1200Hz BLS IFC	100Hz BLB	100Hz BLB	100Hz BLB
178 degrees	178 degrees	178 degrees (39"= 176°)	176 degrees	176 degrees	176 degrees
Brilliant Contrast	Brilliant Contrast	Brilliant Contrast	High Contrast	High Contrast	High Contrast
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
Content Optimizer Plus	Content Optimizer Plus	Content Optimizer Plus	Content Optimizer	Content Optimizer	Content Optimizer
–	–	–	–	–	–
• (1080p)	• (1080p)	• (1080p)	–	–	–
–	–	–	–	–	–
• (Polarised)	• (Polarised)	• (Polarised)	–	–	–
•	•	•	–	–	–
VR-Audio True Surround	VR-Audio True Surround	VR-Audio True Surround	V-Audio	V-Audio	V-Audio
20W (10 + 10)	20W (10 + 10)	20W (10 + 10)	20W (10 + 10)	20W (10 + 10)	20W (10 + 10)
–	–	–	–	–	–
•	•	•	•	•	–
•	•	•	•	–	–
•	•	•	•*9	–	–
• / •	• / •	• / •	• / •	– / •	– / –
•	•	•	–	–	–
–	–	–	–	–	–
–*2	•	–*2	–*2	–*2	–
•	•	•	•	•	–
DVB-T/T2/DVB-S2/DVB-C	DVB-T/T2/DVB-S2/DVB-C	DVB-T/T2/DVB-C	DVB-T/DVB-C	DVB-T/DVB-C	DVB-T/DVB-C
•	–	–	–	–	–
Dual-Core Plus	Dual-Core Plus	Dual-Core Plus	Dual-Core	Vreal Smart PRO	Vreal PRO
•	•	•	•	•	–
•	•	•	•	•	–
• / •	• / •	• / •	– / •	– / •	– / –
•	•	•	•	•	–
• / •	• / •	• / •	• / –	• / –	– / –
–	–	–	–	–	–
•	•	•	•	•	–
•	•	•	•	•	–
–	–	–	–	–	–
•	•	•	•	•	–
• (Client)	• (Client)	• (Client)	• (Client)	• (Client)	–
• (RUI2.0/DTCP-IP/DMP/DMR/DMS)	• (RUI2.0/DTCP-IP/DMP/DMR/DMS)	• (RUI2.0/DTCP-IP/DMP/DMR/DMS)	• (RUI2.0/DTCP-IP/DMP/DMR/DMS)	• (RUI2.0/DTCP-IP/DMP/DMR/DMS)	–
•	•	•	–	–	–
•	•	•	•	•	•
•	•	•	–	–	–
2-Tuner PAP/PIP/PAT	PAT	PAT	PAT	PAT	–
• / •	• / •	• / •	• / –	• / –	• / –
Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic
TX-55AS750E, TX-47AS750E, TX-42AS750E	TX-55AS740E, TX-47AS740E, TX-42AS740E	TX-60AS650E, TX-55AS650E, TX-50AS650E, TX-47AS650E, TX-42AS650E, TX-39AS650E	TX-50AS600E, TX-42AS400E/TX-42AS600EW, TX-39AS600E/TX-39AS600EW, TX-32AS600E/TX-32AS600EW	TX-50AS500E, TX-42AS500E, TX-39AS500E, TX-32AS500E, TX-24AS500E	TX-50A400E, TX-42A400E, TX-39A400E, TX-32A400E
55"- A++, 47"- A++, 42"- A+	55"- A++, 47"- A++, 42"- A+	60"- A+, 55"- A++, 50"- A++, 47"- A++, 42"- A+, 39"- A+	50"- A++, 42"- A+, 39"- A+, 32"- A	A+	A+
55"- 139cm, 47"- 119cm, 42"- 106cm	55"- 139cm, 47"- 119cm, 42"- 106cm	60"- 151cm, 55"- 139cm, 50"- 126cm, 47"- 119cm, 42"- 106cm, 39"- 98cm	50"- 126cm, 42"- 105cm, 39"- 98cm, 32"- 80cm	50"- 126cm, 42"- 106cm, 39"- 98cm, 32"- 80cm, 24"- 60cm	50"- 126cm, 42"- 106cm, 39"- 98cm, 32"- 80cm
55"- 63W, 47"- 48W, 42"- 48W	55"- 63W, 47"- 48W, 42"- 48W	60"- 88W, 55"- 63W, 50"- 52W, 47"- 48W, 42"- 48W, 39"- 47W	50"- 53W, 42"- 55W, 39"- 48W, 32"- 44W	50"- 63W, 42"- 47W, 39"- 41W, 32"- 30W, 24"- 17W	50"- 58W, 42"- 51W, 39"- 41W, 32"- 30W
55"- 88kWh/year, 47"- 67kWh/year, 42"- 67kWh/year	55"- 88kWh/year, 47"- 67kWh/year, 42"- 67kWh/year	60"- 123kWh/year, 55"- 88kWh/year, 50"- 73kWh/year, 47"- 67kWh/year, 42"- 67kWh/year, 39"- 66kWh/year	50"- 73kWh/year, 42"- 76kWh/year, 39"- 67kWh/year, 32"- 62kWh/year	50"- 87kWh/year, 42"- 65kWh/year, 39"- 56kWh/year, 32"- 44kWh/year, 24"- 24kWh/year	50"- 80kWh/year, 42"- 71kWh/year, 39"- 57kWh/year, 32"- 44kWh/year
0.20W	0.20W	0.20W	50"/42"/39"- 0.20W, 32"- 0.30W	50"/32"- 0.30W, 42"- 0.20W, 39"/24"- 0.25W	50"/39"- 0.20W, 42"- 0.35W, 32"- 0.30W
0.20W	0.20W	0.20W	50"/42"/39"- 0.20W, 32"- 0.30W	50"/32"- 0.30W, 42"- 0.20W, 39"/24"- 0.25W	50"/39"- 0.20W, 42"- 0.35W, 32"- 0.30W
1,920 (W) x 1,080 (H)	1,920 (W) x 1,080 (H)	1,920 (W) x 1,080 (H)	1,920 (W) x 1,080 (H)	1,920 (W) x 1,080 (H) 32"/24"- 1,366 (W) x 768 (H)	1,920 (W) x 1,080 (H) 32"- 1,366 (W) x 768 (H)
AC 220–240V, 50/60Hz	AC 220–240V, 50/60Hz	AC 220–240V, 50/60Hz	AC 220–240V, 50/60Hz	AC 220–240V, 50/60Hz	AC 220–240V, 50/60Hz
55"- 164W, 47"- 131W, 42"- 126W	55"- 150W, 47"- 118W, 42"- 113W	60"- 147W, 55"- 133W, 50"-116W, 47"- 101W, 42"- 96W, 39"- 76W	50"- 98W, 42"- 81W, 39"- 71W, 32"- 70W	50"- 95W, 42"- 92W, 39"- 70W, 32"- 50W, 24"- 42W	50"- 89W, 42"- 91W, 39"- 67W, 32"-45W
•	•	•	•	•	•
–	–	–	–	–	–
1 (side), 2 (bottom) / –	1 (side), 2 (bottom) / –	1 (side), 2 (bottom) / –	3 (rear) / –	2 (rear) / –	2 (rear) / –
Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)
–	–	–	–	–	–
3 (side; USB 3.0 x 1, USB 2.0 x 2)	3 (side; USB 3.0 x 1, USB 2.0 x 2)	2 (side; USB 2.0 x 2)	2 (side; USB 2.0 x 2)	1 (side; USB 2.0 x 1)	1 (side; USB 2.0 x 1)
1 (bottom)	1 (bottom)	1 (bottom)	1 (rear)	1 (rear)	–
2 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)
• (SDXC) / 1 (rear)	• (SDXC) / 1 (rear)	• (SDXC) / 1 (rear)	– / 1 (rear)	– / 1 (rear)	– / 1 (rear)
RCA phono type x 1 (rear)	RCA phono type x 1 (rear)	RCA phono type x 1 (rear)	RCA phono type x 1 (rear)	RCA phono type x 1 (rear)	RCA phono type x 1 (rear)
1 (bottom) / 1 (side)	1 (bottom) / 1 (side)	1 (bottom) / 1 (side)	1 (rear) / 1 (side)	1 (rear) / 1 (side)	1 (rear) / 1 (side)
Touch Pad Remote / TV Remote / 3D Glasses (2 pcs)	Touch Pad Remote / TV Remote / 3D Glasses (2 pcs)	Touch Pad Remote / TV Remote / 3D Glasses (1 pc)	TV Remote	TV Remote	TV Remote
55"- 1,243 x 722 x 53mm, 47"- 1,074 x 625 x 53mm, 42"- 962 x 562 x 53mm	55"- 1,243 x 722 x 53mm, 47"- 1,074 x 625 x 53mm, 42"- 962 x 562 x 53mm	60"- 1,351 x 778 x 63mm, 55"- 1,244 x 722 x 54mm, 50"- 1,130 x 658 x 54mm, 47"- 1,074 x 625 x 54mm, 42"- 962 x 562 x 54mm, 39"- 886 x 516 x 53mm	50"- 1,126 x 652 x 53mm, 42"- 947 x 552 x 53mm, 39"- 886 x 516 x 53mm, 32"- 733 x 436 x 59mm	50"- 1,126 x 652 x 53mm, 42"- 963 x 566 x 69mm, 39"- 886 x 516 x 53mm, 32"- 727 x 432 x 67mm, 24"- 562 x 344 x 59mm	50"- 1,126 x 652 x 53mm, 42"- 963 x 566 x 69mm, 39"- 886 x 516 x 53mm, 32"- 727 x 432 x 67mm
55"- 1,243 x 767 x 292mm, 47"- 1,074 x 671 x 214mm, 42"- 962 x 608 x 202mm	55"- 1,243 x 766 x 297mm, 47"- 1,074 x 670 x 232mm, 42"- 962 x 607 x 206mm	60"- 1,351 x 823 x 292mm, 55"- 1,244 x 767 x 292mm, 50"- 1,130 x 703 x 214mm, 47"- 1,074 x 671 x 214mm, 42"- 962 x 608 x 202mm, 39"- 886 x 562 x 202mm	50"- 1,126 x 697 x 260mm, 42"- 947 x 597 x 247mm, 39"- 886 x 560 x 247mm, 32"- 733 x 505 x 184mm	50"- 1,126 x 697 x 260mm, 42"- 963 x 610 x 247mm, 39"- 886 x 560 x 247mm, 32"- 727 x 465 x 194mm, 24"- 562 x 409 x 180mm	50"- 1,126 x 697 x 260mm, 42"- 963 x 610 x 247mm, 39"- 886 x 560 x 247mm, 32"- 727 x 464 x 194mm
55"- 19.0kg, 47"- 13.5kg, 42"- 10.5kg	55"- 19.0kg, 47"- 13.5kg, 42"- 10.5kg	60"- 20.5kg, 55"- 18.5kg, 50"- 14.5kg, 47"- 13.0kg, 42"- 10.0kg, 39"- 10.5kg	50"- 15.0kg, 42"- 12.0kg, 39"- 10.0kg, 32"- 6.5kg	50"- 15.0kg, 42"- 9.0kg, 39"- 10.0kg, 32"- 5.0kg, 24"- 4.5kg	50"- 15.0 kg, 42"- 9.0kg, 39"- 10.0 kg, 32"- 5.0kg
55"- 20.0kg, 47"- 14.5kg, 42"- 11.5kg	55"- 20.5kg, 47"- 15.0kg, 42"- 12.0kg	60"- 21.5kg, 55"- 19.5kg, 50"- 15.5kg, 47"- 14.0kg, 42"- 11.0kg, 39"- 11.5kg	50"- 16.0kg, 42"- 13.0kg 39"- 11.0kg, 32"- 7.0kg	50"- 16.0kg, 42"- 10.5kg, 39"- 11.0kg, 32"- 5.5kg, 24"- 5.0kg	50"- 16.0 kg, 42"- 10.0kg, 39"- 11.0 kg, 32"- 5.5kg
•	•	•	•	•	•

*8 Not all the accessories are listed here. *9 Requirements for Voice Assistant: smartphone or tablet and the Panasonic TV Remote 2 App. Voice Print functionality is not available on AS600 Series. *10 AX900/X940/AX800/AX630 Series supports keyboards/mouses only. *11 Viewable contents may vary depend on regions and services. *12 Only available for iOS devices.

Flexible friend

The ALL3 speaker is so light you can move it to different locations in your house at will, you can stand it on end or lie it down, and you can use it as one half of a stereo speaker configuration.

In with the old

With the Panasonic ALL1C it's possible to add older audio devices to your new multi-room music network (image shows PMX5 with connector).

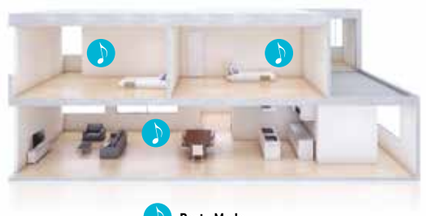
SPOTIFY UNLEASHED

Panasonic collaborated extensively with Spotify® while developing the ALL Series, resulting in a Spotify experience which is exceptionally rich among multi-room systems. For instance, with Spotify on the ALL Series you can access a full music browsing experience, complete with playlists compiled to fit any mood, genre or activity. Even better, the ALL Series lets different family members use their own Spotify accounts, with support for personalised Discover (based on your listening history) and Share (social media) features.

NO WIRES, NO WALLS ... JUST MUSIC

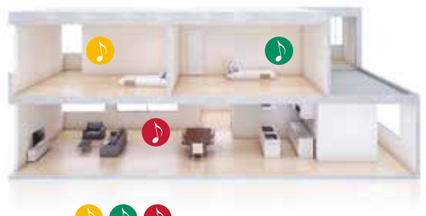
Thanks to the new Panasonic Multi-room Wireless Speaker System, your music collection is no longer confined to just one room. Now you can effortlessly fill your whole home with your favourite songs.

Qualcomm® AllPlay™



Party Mode

Play a single sound source simultaneously through multiple speakers.



Multi-Zone support

Play multiple songs within the same network to separate speakers.

ALL SERIES: WHERE DESIGN MEETS CONVENIENCE

Qualcomm® AllPlay™: The new Panasonic ALL Series speakers take the pain out of wireless music by offering a simple end-to-end music solution incorporating AllPlay, a new smart media platform from Qualcomm that enables music to be streamed into multiple rooms with high-fidelity sound.
AllPlay offers three key benefits as a wireless music platform. First, it provides direct and full control of Native Music Subscription services and Internet radio. Second, it's exceptionally straightforward to set up, as you don't need either a 'bridging' product or a set-up app. That means products easily connect over an existing home Wi-Fi network. Finally, it's an open standard, meaning it can accommodate any brand of AllPlay-enabled product. So you are not restricted to using products from just one brand.

Party Mode and Multi-Zone support: AllPlay lets you enjoy your music wirelessly in either Party Mode or Multi-Zone. In Party Mode you can stream one source to several speakers, while with Multi-Zone playback and the Panasonic Music Streaming App you can play different sources to different speakers around your home. Also, AllPlay is a new smart media platform where mobile technology is concerned, making it compatible with whatever brand of smartphone and tablet computer you may have in your home.

Native Music Subscription/Internet radio app support: Play any music you've got stored on your mobile and networked devices via your existing home Wi-Fi network. The ALL Series product system also – unusual for the wireless music world – lets you use the original control apps of Music Subscription Services and Internet radio streaming services, rather than making you use an integrated product app. This means you can enjoy all the features those specially developed apps have to offer, for example, features such as Browse, Radio and Share of Spotify.

Spotify napster AUPEO! PERSONAL RADIO Qualcomm® AllPlay™ Radio powered by tunein

Qualcomm AllPlay is a product of Qualcomm Connected Experiences, Inc. Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries, used with permission.
AllPlay is a trademark of Qualcomm Connected Experiences, Inc., used with permission.

MUSIC STREAMING MADE SIMPLE

For Panasonic, wireless audio streaming isn't just about getting rid of cables. It's also about making sure wireless audio products work seamlessly and don't compromise sound quality.

Panasonic

Take it easy
The Panasonic Music Streaming App brings all your music sources together for you, so you can access everything at the swipe of a finger.

Panasonic Music Streaming App
The intuitive graphical interface makes it incredibly easy to find and play your music, no matter where it's stored.

Travel in style
With its chic design, cover that doubles as a stand and up to 20 hours of music playback, the SC-NA10 can help long journeys fly by.

Close encounters
Thanks to NFC technology, playing music from your smartphone or tablet through the SC-NA30 speaker is no more complicated than simply holding the two products together.

Keeping things tidy
Equipping Panasonic Speakerbars with Bluetooth means your external music sources can enjoy the Speakerbar's power without cluttering up the area around your TV with cables and portable devices.

KEY WIRELESS MUSIC TECHNOLOGIES EXPLAINED

Qualcomm AllPlay: Audio streaming platform developed to make it easier for AllPlay-equipped multimedia devices to share files with each other, so that you can enjoy Party Mode and Multi-Zone.

AirPlay®: Apple's proprietary format for streaming content wirelessly from iPhone, iPad and iPod Touch.

Bluetooth: A technology for wireless communication between different devices over short distances. Common in mobile phones and tablet computers.

NFC – Near Field Communication: A feature that establishes a wireless Bluetooth connection simply by holding two NFC-capable devices together.[1]

DLNA – Digital Living Network Alliance: An industry standard for sharing files – including multimedia – over a home network via a wired or wireless router.

TOTAL CONVENIENCE, STUNNING SOUND

Easy listening: While streaming audio without wires is convenient, it isn't always easy to achieve. This is because there are now so many different wireless technologies competing for your attention, including Bluetooth, Qualcomm AllPlay, AirPlay, DLNA and NFC (see above panel for more information on each of these formats).
The Panasonic Music Streaming App, though, means you no longer have to worry about these various technologies. The app takes care of everything for you, communicating with your wireless music sources and playback devices so you can easily switch between them, and making sure that whatever music you select will simply play, regardless of where it's coming from and what format it's in.

One app fits all: The Panasonic Music Streaming App really doesn't care if your wireless music products and servers want to use AirPlay, Bluetooth or DLNA. It doesn't care what brand of tablet or smartphone you've got. Even different streaming services can be used through the Panasonic App without them losing any functionality.
All you have to do is press Play and the Panasonic Music Streaming App takes care of the rest.

Bluetooth Re-Master: Wireless audio systems can suffer compromised sound quality due to the way music is compressed for easier distribution. So to counter this Panasonic has developed Bluetooth Re-Master: a processing technology that replaces the treble and bass audio information lost during the compression process to deliver music that sounds almost identical to the original recording quality.

FLAC – Free Lossless Audio Codec: The MP3 and AAC music files commonly used for digital music distribution use high levels of compression that reduce sound quality. To combat this, many new Panasonic wireless audio products support playback of FLAC: an audio compression format which delivers 'lossless' sound quality.

1) NFC is only compatible with Android™ (OS Version 4.1 or later) devices. / DLNA, the DLNA Logo and DLNA CERTIFIED are trademarks, service marks, or certification marks of the Digital Living Network Alliance. / Wi-Fi is a registered mark of the Wi-Fi Alliance. / AirPlay, the AirPlay logo, iPad, iPhone, iPod, iPod classic, iPod nano and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. / App Store is a service mark of Apple Inc. / Android is a trademark of Google Inc. / The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under licence. Other trademarks and trade names are those of their respective owners. / The N-Mark is a trademark or registered trademark of NFC Forum, INC. in the United States and in other countries.

ALL. YOUR MUSIC IN EVERY ROOM: ALL SERIES

Compatible with latest Spotify functions: Browse, Radio, Share

SC-ALL8

Powerful Multi-room Hi-Fi Speaker System

Large, Mains Powered ○ ●

Qualcomm AllPlay – wirelessly stream music from multiple sources to any room and easily monitor via mobile device
Music Subscription Service app/Internet radio – control ALL Series directly from your compatible music streaming service
5 speakers, LincsD-Amp and XBS Master – fill even spacious interiors with excellent Hi-Fi sound
Party Mode – stream music simultaneously to multiple speakers throughout the home for a party-like atmosphere
Multi-Zone – stream multiple songs within the same network to separate speakers for individual listening pleasure

Via the ALL Series, you have direct and full control of the following Music Subscription Service and Internet radio apps*:

Spotify · napster · AUPEO! PERSONAL RADIO · Qualcomm AllPlay Radio powered by tunein

SC-ALL3

Flexible Multi-room Hi-Fi Speaker System

Compact, Mains Powered ● ○

Qualcomm AllPlay – wirelessly stream music from multiple sources to any room and easily monitor via mobile device
Music Subscription Service app/Internet radio – control ALL Series directly from your compatible music streaming service
Elegant, flexible design – fits in any room, vertical or horizontal, to ideally satisfy personal sound preferences
Party Mode – stream music simultaneously to multiple speakers throughout the home for a party-like atmosphere
Multi-Zone – stream multiple songs within the same network to separate speakers for individual listening pleasure

SH-ALL1C

Multi-room Connection for Existing Audio Systems and Speakers

Connector ●

Digital & analogue output – easily connect your existing audio systems or speakers to your new multi-room streaming world
192kHz/24-bit DAC – delivers high-quality sound by perfectly transforming digital content into analogue signals
Music Subscription Service app/Internet radio – control ALL Series directly from your compatible music streaming service
Party Mode – stream music simultaneously to multiple speakers throughout the home for a party-like atmosphere
Multi-Zone – stream multiple songs within the same network to separate speakers for individual listening pleasure

	Qualcomm AllPlay	Wi Fi CERTIFIED	Panasonic	Lincs D-Amp 2nd generation	XBS Master	FLAC
SC-ALL8	•	•	•	•	•	•
SC-ALL3	•	•	•	•	•	•
SH-ALL1C	•	•	•		•	•

*Availability of subscription services and Internet radio may vary depending on the country

TAKE YOUR MUSIC WITH YOU

EASY WIRELESS CONNECTION WITH MOBILE DEVICES

product design award 2014

STYLISH PROTECTION, COMFORTABLE HANDLING

SC-NA10

Super-easy Portable Bluetooth Speaker System

Extended enjoyment – long battery life for smartphone charging and up to 20 hrs. of playback
Outstanding audio – dedicated bass and big sound with exclusive XBS Master
Easy wireless music – enjoy Bluetooth music streaming with aptX® for high sound quality
Fast wireless connection – thanks to One-Touch Connection with NFC
Easy control – use the Panasonic Music Streaming App to control your home music network

PROTECTIVE PANEL SLIDES DOWN WHEN SPEAKERS ARE TURNED ON

ADDITIONAL BASS SPEAKERS BUILT-IN

SC-NA30

Ultimate Portable Bluetooth Speaker System

Bombastic audio – dedicated bass and big sound with XBS Master and built-in subwoofer
Stylish design – sleek, modern housing features premium material and brushed aluminium
Extended enjoyment – long battery life for smartphone charging and up to 20 hrs. of playback
Fast wireless connection – thanks to One-Touch Connection with NFC

	Bluetooth	NFC	aptX LOW LATENCY CSR	Music	XBS Master	20 hours	Battery
SC-NA10	•	•	•	•	•	•	•
SC-NA30	•	•	•	•	•	•	•

RF-D10

Compact, Stylish DAB/DAB+ Portable Radio

DAB/DAB+ – modern radio reception in excellent digital quality
10 channel memory and Select knob – for convenient, easy operation
10cm speaker and 5 equaliser presets – deliver high-quality sound
White blacklight LCD – for easy viewing even in poor lighting conditions

	DAB DAB+	FM
RF-D10	•	•

WHERE POWER MEETS FIDELITY

THE PMX9'S DEEP SPEAKERS HELP IT DELIVER OUTSTANDING, AWARD-WINNING PERFORMANCE

EISA AWARD Best Product 2013-2014
COMPACT HI-FI SYSTEM
Panasonic SC-PMX9

SC-PMX9

Stereo Music System with Breathtaking Sound Quality

SC-PMX9 ●
SC-PMX9DAB ●

Outstanding sound quality – thanks to 3-way speakers, Advanced Super Tweeter and LincsD-Amp
Ultimate music streaming – Bluetooth, AirPlay and DLNA wireless compatibility
Excellent audio – FLAC playback compatibility for lossless audio compression
Easy control – use the Panasonic Music Streaming App to control your home music network
High compatibility – intergrated dock for iPhone 5 and 5th generation iPod touch

SC-PMX5 with integrated dock for 4th generation iPod touch and compatible models

SC-PMX7 with integrated dock for iPhone 5 and 5th generation iPod touch

SC-PMX7/5

High-performance Music System

SC-PMX7 ● ○
SC-PMX7DAB ● ○
SC-PMX5 ○
SC-PMX5DAB ○ (UK only)

Outstanding sound quality – thanks to 3-way speakers, Advanced Super Tweeter and LincsD-Amp
Convenient music streaming – thanks to Bluetooth wireless compatibility (SC-PMX7 only)
Easy control – use the Panasonic Music Streaming App to control your home music network (SC-PMX7 only)
Rich bass – from the 14cm Bamboo Charcoal PP Cone Woofer
Sleek design – with a high-quality aluminium front panel

SC-PM250

Compact Music System with Bluetooth

○

Bluetooth wireless technology – enables convenient music streaming from your mobile devices
XBS Master and Bluetooth Re-master technology – deliver rich bass with clear sound reproduction
CD and USB playback – for enjoying music and sharing via CD and USB connection
20W output – provides powerful sound from a compact system

	Bluetooth	dlna	USB	CD / RADIO TUNER	AirPlay
SC-PMX9/9DAB	•	•	•	•	•
SC-PMX7/7DAB	•		•	•	
SC-PMX5			•	•	
SC-PM250	•		•	•	

AirPlay, iPod and iPhone are trademarks of Apple Inc. registered in the U.S. and other countries

SLIM DESIGN MEETS QUALITY SOUND

SC-HC49

SC-HC49/39

Sleek, Advanced Compact Micro System with Bluetooth

SC-HC49	● ◐ ○
SC-HC49DAB	●
SC-HC39	● ◐ ○
SC-HC39DAB (UK only)	◐

Full multi-source compatibility – enjoy your CDs and the radio, or music via USB, wireless Bluetooth or iPhone 5s/5c
XBS Master, LincsD-Amp, Dual Passive Raditator, Pure Direct Sound System Technology – for powerful, clear sound
Mirror-finish design – adds a touch of beauty to any room, perfectly enriching the interior décor
Built-in iPhone 5s/5c dock – play back music stored on your iPhone and recharge it at the same time (SC-HC49/49DAB only)
Near Field Communication (NFC) – for easy wireless connectivity without the hassle

SC-HC39/SC-HC39DAB
WITHOUT IPHONE
5S/5C DOCK

SC-HC39

SC-HC29

Slim, Stylish Compact Micro System with Bluetooth

SC-HC29	● ○
SC-HC29DAB (UK only)	●

High multi-source compatibility – enjoy your CDs and the radio, or music via USB or wireless Bluetooth streaming
XBS Master and Pure Direct Sound System – delivers clear and dynamic sound
Slim design – enriches your interior décor, on any shelf or on the wall, in black or white
Low power consumption – kind to your wallet and the environment at just 0.2W (in standby mode)

SC-HC19

● ○

Slim and Stylish Compact Micro System

Multi-source compatibility – lets you enjoy your CD collection and the radio, or your favourite music via USB
XBS Master and Pure Direct Sound System – delivers clear and dynamic sound
Slim design – enriches your interior décor, on any shelf or on the wall, in black or white
Low power consumption – kind to your wallet and the environment at just 0.2W (in standby mode)

	Bluetooth	NFC	Panasonic	XBS Master	Lincs D-Amp 2nd generation	CD RADIO TUNER	Wall Mountable
SC-HC49/SC-HC49DAB	•	•	•	•	•	•	•
SC-HC39/SC-HC39DAB	•	•	•	•	•	•	•
SC-HC29/SC-HC29DAB	•	•	•	•		•	•
SC-HC19						•	•

iPod and iPhone are trademarks of Apple Inc. registered in the U.S. and other countries

BREATHTAKING FOR EYES AND EARS

SC-HTB880 Sleek, Premium 5.1-channel Home Cinema System

5.1-channel, powerful 500W system – creates an impressive sound field around you
4K Signal Pass Through – easily enjoy superb sound quality with high-resolution 4K images
Next-generation LincsD-Amp – reduces jitter to reproduce clear sound faithful to the original
One-Touch Connection via NFC – for easy Bluetooth pairing with smart networking features

SC-HTB680 Elegant, High-output 3.1-channel System

3.1-channel, 350W system with Clear-mode Dialog – delivers greater depth and achieves true-to-life experience
One-Touch Connection via NFC – for easy Bluetooth pairing with smart networking features
Multi Angle Sound, wireless subwoofer and wall-mount option – for a flexible set-up
Delta Form Design – engineered to deliver superb sound and optimally fit under TVs with short stands

SC-HTB580 Elegant 3.1-channel System featuring Delta Form Design

3.1-channel, 310W system with Clear-mode Dialog – delivers greater depth and true-to-life experience
One-Touch Connection via NFC – for easy Bluetooth pairing with smart networking features
Multi Angle Sound, wireless subwoofer and wall-mount option – for a flexible set-up
Delta Form Design – engineered to deliver superb sound and optimally fit under TVs with short stands

	Bluetooth	NFC	Panasonic	apt-X CSR	Lincs D-Amp 2nd generation	Clear-mode Dialog	Wireless Subwoofer
SC-HTB880	•	•	•	•	•	•	•
SC-HTB680	•	•	•			•	•
SC-HTB580	•	•	•			•	•

Suitable for 32~42"

SC-HTB8

2-channel Sound System with 80W Power Output

●

2-channel, 80W sound system – powerfully supports your TV's audio
Bluetooth technology – for easy wireless pairing with compatible devices
Panasonic Music Streaming App – to easily control your home music network
Delta Form Design – engineered to deliver superb sound and optimally fit under TVs with short stands

product design award 2014

Suitable for 42~50"

SC-HTB170

Soundbar with 2.1-channel Sound and Flexible Set-up

● ○

2.1-channel, 120W sound system – delivers powerful audio from a sleek system
4-way multi-angle positioning – offers full flexibility for your home cinema set-up
Bluetooth music streaming – for wireless convenience with your music collection
Anti-vibration subwoofer built-in and Clear-mode Dialog – ensure clear bass and crisp dialogue

MULTI -ANGLE POSITION OF 0°, 30°, 80° OR 90°

Suitable for 42~50"

SC-HTE180

Slim Speakerboard with Powerful Sound

● ○

Two subwoofers and two Aero Stream Ports – for dynamic and deep bass sound
Flat and compact design – fits easily under the TV or inside a rack
Bluetooth with NFC – easy wireless set up for enjoying TV and smartphone audio
HDMI and optical input slots – deliver full flexibility for relaxed use

Suitable for 32~42"

SC-HTE80

Compact Speakerboard with Powerful Sound

● ○

Two subwoofers and two Aero Stream Ports – for dynamic and deep bass sound
Flat and compact design – fits easily under the TV or inside a rack
Bluetooth with NFC – easy wireless set up for enjoying TV and smartphone audio
HDMI and optical input slots – deliver full flexibility for relaxed use

	Bluetooth	NFC	Panasonic	Clear-mode Dialog	Anti-Vibration Integrated Subwoofer	HDMI
SC-HTB8	•		•			•
SC-HTB170	•		•	•	•	•
SC-HTE180	•	•	•	•	•	
SC-HTE80	•	•	•	•	•	

ICONIC TOWERS OF POWER

BTT885'S FEATURE-RICH, HIGH-PERFORMANCE BLU-RAY CINEMA

SC-BTT885

Superior 3D Blu-ray System featuring Sleek Aluminium Design

Advanced 3D Cinema Surround with 1200W output – delivering a true-to-life surround sound experience
4K Ultra HD Up-Scaling from Full HD 3D Blu-ray – immerse yourself in the sharpest action
Bluetooth with One-Touch Connection (NFC), Miracast and DLNA – for easy, advanced smart networking
Wi-Fi Built-in and USB connection for iPod/iPhone – give you full connectivity options for AV entertainment
Full flexibility – place the wireless rear speakers anywhere in the room without any cable clutter

POWERFUL 1.3M TALL SPEAKERS

SC-BTT865

Premium 3D Blu-ray System with 4K Ultra HD Up-Sampling

Advanced 3D Cinema Surround with 1200W output – delivering a true-to-life surround sound experience
4K Ultra HD Up-Scaling from Full HD 3D Blu-ray – immerse yourself in the sharpest action
Bluetooth with One-Touch Connection (NFC), Miracast and DLNA – for easy, advanced smart networking
Wi-Fi Built-in and USB connection for iPod/iPhone – give you full connectivity options for AV entertainment

SC-BTT505

Superb 3D Blu-ray System delivering Impressive Sound

Advanced 3D Cinema Surround with 1200W output – delivering a true-to-life surround sound experience
4K Ultra HD Up-Scaling from Full HD 3D Blu-ray – immerse yourself in the sharpest action
Bluetooth with One-Touch Connection (NFC), Miracast and DLNA – for easy, advanced smart networking
Wi-Fi Built-in and USB connection for iPod/iPhone – give you full connectivity options for AV entertainment

	dlna CERTIFIED	Bluetooth	NFC	4K ULTRA HD UPSCALING	Lincs D-Amp 2nd generation	3D Cinema Surround	Miracast
SC-BTT885	•	•	•	•	•	•	•
SC-BTT865	•	•	•	•	•	•	•
SC-BTT505	•	•	•	•	•	•	•

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EXCEPTIONALLY TALL,
EXCEPTIONALLY POWERFUL,
EXCEPTIONALLY ELEGANT

SC-BTT465

Powerful 3D Blu-ray System delivering Rich Surround Sound

●

5.1-channel rich surround with 1000W output – five speakers fully unite your home cinema experience
Full HD 3D playback – enjoy dynamic 3D movies faithful to the original
Powerful Bass Reflex Subwoofer – guarantees exciting blockbuster action scenes
Bluetooth with One-Touch Connection (NFC) – easy wireless set-up for enjoying smartphone/tablet audio

SC-BTT405

Advanced 3D Blu-ray System delivering Rich Surround Sound

●

Full HD 3D playback with 600W output – enjoy dynamic 3D movies faithful to the original
5.1-channel rich surround – five speakers fully unite your home cinema experience
Powerful Bass Reflex Subwoofer – guarantees exciting blockbuster action scenes
Bluetooth with One-Touch Connection (NFC) – easy wireless set-up for enjoying smartphone/tablet audio

SC-BTT230

Elegant 3D Blu-ray System with Flexible Speaker Set-Up

●

Panasonic 2.1ch Cinema Surround Plus – experience the surround sound feeling
Unique speakers – set up as a soundbar or as separate front speakers
LincsD-Amp digital amplifier and 2-way speakers – providing pure, extraordinary sound
Wi-Fi Built-in – for a reliable wireless connection to your home network

SC-BTT105

Essential 3D Blu-ray System with Bluetooth

●

Full HD 3D playback – enjoy dynamic 3D movies faithful to the original
2.1 channels with Dolby Pro Logic® II – for a virtual surround sound experience
Powerful Bass Reflex Subwoofer – guarantees exciting blockbuster action scenes
Bluetooth with One-Touch Connection (NFC) – easy wireless set-up for enjoying smartphone/tablet audio

	Bluetooth	NFC	Powerful Bass-Reflex Subwoofer	Internet Apps	Wi-Fi Built-in
SC-BTT465	•	•	•	Simple	Wi-Fi Ready
SC-BTT405	•	•	•	Simple	Wi-Fi Ready
SC-BTT230			•	•	•
SC-BTT105	•	•	•	Simple	Wi-Fi Ready

MUSIC TO YOUR EARS

RP-HD10

Premium Circumaural Headphones

RP-HD10E-K ○

High-Resolution Sound – handles frequencies from 4Hz to 50kHz so you can hear even the finest details
Premium build – 50mm high definition driver unit produces low bass sounds and extraordinarily clear treble
Optimum fit – ergonomic 3D-designed ear pads ensure you can listen in comfort by reducing external noise
Technology – visible multi-layer film diaphragm reproduces highly precise sound output

RP-BTD10

Premium Bluetooth Headphones with Advanced Sound Quality

RP-BTD10E-K ●

Premium build – with 40mm light driver for powerful, dynamic and clear bass
aptX – delivers advanced sound quality for a truly enjoyable digital audio listening experience
Bluetooth with Near Field Communication (NFC) – enables easy wireless connectivity on the go or at home
Touch buttons – for intuitive, easy operation directly on the right earcup

RP-HC800

High-performance, Active Noise-Cancelling Headphones

RP-HC800E-K ●

Premium design – with a 40mm neodymium driver for powerful, dynamic bass and clear stereo sound
High-performance noise cancelling – be surrounded by the sound while cancelling out distracting noise
Flat-foldable design – so you can easily take these headphones everywhere you go
Accessories included – like a convenient carrying case and an air plug adaptor for onboard entertainment

RP-HX550

Premium Circumaural Headphones for Dynamic Sound

RP-HX550E-K ●
RP-HX550E-W ○
RP-HX550E-N ◐

Premium design – with a 40mm neodymium driver for powerful, dynamic bass and clear stereo sound
Soft earcups and headband – let you listen to music or movies for hours in pure comfort
Closed-type style – to perfectly block out surrounding noise
Modern colours – choose from black, white or gold to make a style statement

RP-HXS400

On-Ear Street Style Design Headphones

RP-HXS400E-K ●
RP-HXS400E-W ○
RP-HXS400E-G ●
RP-HXS400E-P ●

Tuned Sound – finely tuned 40mm neodymium driver units deliver clear, powerful and deep sound
Practical design – swivel mechanism lets the headphones be folded completely flat
Comfortable – cushioned head pad and soft earcups reduce surrounding noise
Style & Music – sleek design and rich-sounding music for the fashion-conscious

RP-HXS200

Stylish On-Ear Street Type Headphones

RP-HXS200E-K ●
RP-HXS200E-W ○
RP-HXS200E-A ●
RP-HXS200E-G ●
RP-HXS200E-P ●
*RP-HXS200MEK ●

Clear, Powerful Sound – tuned 30mm neodymium driver units deliver clear sound with powerful bass
Ultra-compact – easy to fold and stow thanks to the unique rotating folding system
Appealing Design – sleek design with hexagon-engraved panel in a variety of colours to choose from
Headset version* – with integrated microphone and controller for phone calls any time, anywhere

ULTIMATE DIGITAL LIFESAVERS

For the ultimate in recording quality for your home movies and favourite TV shows, nothing beats a Panasonic Blu-ray recorder.

4K ULTRA HD UPSCALING

SPECTACULAR PICTURES AND SOUND

4K Upscaling: The AV world is buzzing right now with talk of 4K Ultra HD: a picture resolution that provides four times as many pixels of video information as the usual HD format. And you can enjoy 4K quality from both your Blu-ray collection and your own home movies thanks to the high-quality 4K upscaling systems built into the new Panasonic Blu-ray recorders.

High-quality music playback: The high-quality audio formats FLAC, WMA and WAV can all be played by Panasonic Blu-ray recorders. In addition, the recorders feature a Pure Sound Mode which can be used when listening to music to stop all mechanical activity in the HDD and tuner areas – as well as minimise cooling fan movement – to enhance sound quality.

Think big
The Miracast feature in some Panasonic Blu-ray recorders lets you mirror your tablet or smartphone screen on your TV.

Truly remote control
Set the timer for recordings on your Panasonic Blu-ray recorder even when you're away from home with the Remote Recording Service app.

SMART NETWORKING

Take-out TV: The new TV Anywhere feature on the latest Panasonic Blu-ray Disc™ recorders lets you stream both live TV shows and recordings* to your smartphone or tablet wherever you are – be it in the next room or another country. All you need is an Internet connection and the Panasonic Media Access App so your smart devices can access your recorder.

Shared content: Ever wished you could share the content being shown on the small screen of your smartphone or tablet with the much bigger screen of your TV? Thanks to Panasonic Blu-ray recorders, you can. You can share on the TV what's showing on your smart device's Web browser, or with the new DMR-BWT740/745 (and BST/BCT940/845/745/740 models) you can use Miracast technology to set up a direct Wi-Fi connection over which you can mirror your smart device's screen on your TV.

4K PICTURE QUALITY TECHNOLOGIES
2TB HDD
TRIPLE HD TUNER

SMART RECORDING

Remote Recording: The latest Panasonic Blu-ray recorders support Remote Recording, letting you schedule recordings by using your smartphone, tablet or PC. This provides two major benefits. First, it means you can browse channel listings and select programmes to record on your second screen, without interrupting your main TV viewing. Second, it allows you to set recordings remotely, no matter where you are – even if you're away from your home! With the DMR-BWT740/745, and BST/BCT940/845/745/740 models, you can even remotely schedule the recording of two programmes simultaneously. To enjoy Remote Recording on Panasonic Blu-ray recorders, all you need to do is download the DIGA Player App (or access rec.panasonic.com) to your browser-compatible device and register your details. It couldn't be easier.

SMART OPERATION

Keyword Recording: This new feature takes the tedium out of setting recordings by letting you simply input favourite keywords. For instance, type in 'Olympics' and your DMR-BST940/845, BCT940 or BCT845 DIGA recorder will search through the TV listings and automatically record any related programmes. You'll never miss another thing.

*This function may not be available with some content and pay-per-view programmes, or if your network is unstable. Access is possible for only one device at a time from outside the home.

MULTI-TALENTED RECORDERS

DMR-BST940EG/BCT940EG

DMR-BST745EG

PREMIUM 3D BLU-RAY RECORDER with 2TB, 1TB, 500GB or 250GB HDD

DMR-BST940EG[1]	●	Satellite	2TB
DMR-BCT940EG[1]	●	Cable	2TB
DMR-BST845EG[1]	○	Satellite	1TB
DMR-BCT845EG[1]	○	Cable	1TB
DMR-BST745EG[1]	○	Satellite	500GB
DMR-BCT745EG[1]	○	Cable	500GB
DMR-BST740EG[1]	●	Satellite	500GB
DMR-BCT740EG[1]	●	Cable	500GB
DMR-BWT740EB[2]	●	DVB-T	1TB
DMR-BWT745EC[3]	○	DVB-T	500GB
DMR-BWT640EC[3]	●	DVB-T	250GB

Ultimate viewing and recording – experience Full 3D and 4K entertainment, and archive onto Blu-ray Disc
TV Anywhere – lets you watch both recorded programmes and live broadcasts on your smartphone or tablet
Triple or Twin HD Tuner – lets you simultaneously record up to 3 programmes in stunning HD (depending on model)
Remote Recording – use your smartphone or tablet anywhere to set timer-recording of TV programme

1) For Germany, Austria and Switzerland only 2) For UK only 3) For France, Spain and Italy only

Freeview +HD DMR-BWT740EB only

	4K Ultra HD Upscaling	Remote Recording	TV Anywhere	Multi-Room Streaming	Keyword Recording	Internet Apps	Wi-Fi Built-in
DMR-BST940EG / DMR-BCT940EG	•	•	•	•	•	•	•
DMR-BST845EG / DMR-BCT845EG	•	•	•	•	•	•	•
DMR-BST745EG / DMR-BCT745EG	•	•	•	•		•	•
DMR-BST740EG / DMR-BCT740EG	•	•	•	•		•	•
DMR-BWT740EB	•	•				•	•
DMR-BWT745EC	•	•				•	•
DMR-BWT640EC		•				•	Wi-Fi Ready

DMR-PWT530EB

DMR-PWT635EB

3D BLU-RAY PLAYER with integrated 1TB, 500GB or 250GB HDD

DMR-PWT635EB[2]	○	DVB-T	1TB
DMR-PWT530EB[2]	●	DVB-T	500GB
DMR-PWT535EC[3]	○	DVB-T	250GB

Outstanding viewing and recording – experience Full HD 2D and 3D entertainment and store onto the built-in HDD
Highly convenient – view the EPG on your smartphone or tablet and set recordings, all while watching TV
Full flexibility – record two programmes simultaneously in HD with the Twin HD Terrestrial Tuner
Numerous online applications – enjoy exploring with Internet Apps

2) For UK only 3) For France, Spain and Italy only

DMR-HST230EG

HD HARD DISC RECORDER with 1TB or 500GB HDD

DMR-HST230EG[1]	○	Satellite	1TB
DMR-HCT230EG[1]	○	Cable	1TB
DMR-HST130EG[1]	○	Satellite	500GB
DMR-HCT130EG[1]	○	Cable	500GB
DMR-HWT230EB[2]	●	DVB-T	1TB
DMR-HWT130EB[2]	●	DVB-T	500GB

Excellent recording – store 2D and 3D High Definition entertainment onto the built-in HDD
Highly convenient – view the EPG on your smartphone or tablet and set recordings, all while watching TV
Full flexibility – record two programmes simultaneously in HD with the Twin HD Terrestrial Tuner
Numerous online applications – enjoy exploring with Internet Apps

1) For Germany, Austria and Switzerland only 2) For UK only

	Remote Recording	Wi-Fi Built-in	Miracast	dlna	BD DVD CD Playback	MKV
DMR-PWT635EB	•	•		•	•	•
DMR-PWT530EB	•	Wi-Fi Ready		•	•	•
DMR-PWT535EC	•	•		•	•	•
DMR-HST230EG / DMR-HCT230EG	•	•	•	•		•
DMR-HST130EG / DMR-HCT130EG	•	•	•	•		•
DMR-HWT230EB	•	•		•		•
DMR-HWT130EB	•	Wi-Fi Ready		•		•

UNCOMPROMISING SOUND & PICTURE QUALITY

EISA AWARD Best Product 2014-2015
BLU-RAY PLAYER
Panasonic DMP-BDT700

THX CERTIFIED

The THX Certified* Panasonic Blu-ray Disc player reproduces pictures and sounds with the same detail and clarity as found in the film-makers studio.

DMP-BDT700

Premium Blu-ray Player for Extraordinary Sound and Images

○

4K 60p output, 4K Direct Chroma Up-Scaling and 4K JPEG playback – for ultimate Ultra HD entertainment
4x 192kHz/32-bit digital/analogue converters and 96Hz Surround Re-Master – deliver true-to-life audio
Miracast – enjoy your smartphone and tablet content on the large-screen TV
Internet Apps support – gives you more viewing enjoyment with video on demand and Web browsing

4K ULTRA HD UPSCALING · 4K JPEG PLAYBACK · Internet Apps · Web Browser · Wi-Fi Built-in · Miracast · TWIN HDMI

DMP-BDT700	•	•	•	•	•	•	•	•

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DMP-BDT500

Premium Blu-ray Player for Outstanding Audio Entertainment

○

4x 192Khz/32-bit digital/analogue converters and 7.1-channel analogue audio – for an outstanding sound experience
Twin HDMI and Pure Audio via HDMI – deliver high-resolution, dynamic digital audio
Adaptive Chroma Processing – enjoy true-to-cinema picture quality in both 3D and 2D
Online applications and 2D-3D Conversion – enhance your entertainment experience even more

DMP-BBT01

Ultra-compact Blu-ray Player with Smart Networking Features

●

Ultra-compact, elegant design – the sleek style is an eye-catcher in any home or room interior
Online applications and 2D-3D Conversion – enhance your entertainment experience even more
DLNA and Wi-Fi Built-in – share media easily between different rooms and get the most out of smart home networking
Adaptive Chroma Processing – enjoy true-to-cinema picture quality in both 3D and 2D

dlna CERTIFIED · Internet Apps · Wi-Fi Built-in · FLAC · MKV · SDXC · Blu-ray 3D™

DMP-BDT500	•	•	•	•	•	•	•	•
DMP-BBT01	•	•	•	•	•	•	•	•

DMP-BDT460 Sleek Blu-ray Player with Broad Networking Features

○

4K Ultra HD Upscaling and 4K JPEG playback – for premium Ultra HD entertainment
Miracast – enjoy your smartphone and tablet content on the large-screen TV
Internet Apps support – gives you more viewing enjoyment with video on demand and Web browsing
Slim design – with hairline finish and half-mirror aesthetics to complement any interior décor

DMP-BDT360/361 Stylish 3D Blu-ray Player Ideal for Multiple Users

DMP-BDT360 ●
DMP-BDT361 ○

4K Ultra HD Upscaling and Full HD 3D Blu-ray playback – for superior images and sound
Miracast – enjoy your smartphone and tablet content on the large-screen TV
Internet Apps support – gives you more viewing enjoyment with video on demand and Web browsing
Multi-user Mode with easy user interface – enables individual settings for different users

DMP-BDT260/160 Smart Blu-ray Player for Multi-Source Playback

DMP-BDT260 ●
DMP-BDT160 ●
DMP-BDT161 ○

External HDD and Multi-Format Playback – extremely flexible with Xvid, MKV, MP4, FLAC, MP3, AAC compatibility
DLNA and Internet options – enable you to easily stream content and access Web-based entertainment
FLAC Compatibilty – so you can enjoy high-resolution network audio
Multi-user Mode – easily set individual settings for different users via the intuitive user interface

DMP-BD81 Essential Blu-ray Player Ideal for Multi-format Playback

● ○

Multi-Format Playback – extremely flexible with Xvid, MKV, MP4, FLAC, MP3, AAC compatibility
FLAC Compatibilty – so you can enjoy high-resolution network audio
Smart networking – explore select online entertainment on the large-screen TV in comfort
Multi-user Mode with easy user interface – enables individual settings for different users

ACCESSORIES

DY-WL5E-K Wireless LAN Adaptor

Compatible with: DMP-BDT130/131, DMP-BD79, DMR-PWT530EB, DMR-HWT130EB

TY-CC20 Skype Communication Camera

Easy video conferencing via Interent Apps and Skype

	4K ULTRA HD UPSCALING	4K JPEG PLAYBACK	Internet Apps	Web Browser	Wi-Fi Built-in	Miracast	TWIN HDMI
DMP-BDT460	•	•	•	•	•	•	•
DMP-BDT360/361	•		•	•	•	•	
DMP-BDT260			Simple		•		
DMP-BDT160/161			Simple		Wi-Fi Ready		
DMP-BD81			Simple		Wi-Fi Ready		

WIRELESS MULTI-ROOM SYSTEMS

			SC-ALL8	SC-ALL3	SH-ALL1C
AUDIO SYSTEM	Output Channel		2.1ch	2ch	-
	Power Output (RMS)	Total Power	80W	40W	-
		Front	20W per channel (1kHz, 8 ohms, 10% THD)	20W per channel (1kHz,8 ohms,10% THD)	-
		Subwoofer	40W (100Hz, 4 ohms, 10% THD)	-	-
PLAYABLE FORMAT	MP3 / AAC / WAV / FLAC / ALAC		•	•	•
HIGH-QUALITY SOUND	Double-Layer Nano-Sized Bamboo Cone Speaker		•	•	-
	LincsD-Amp		• (2nd generation)	• (2nd generation)	-
	XBS Mater		•	•	-
	Formed Mica & Super Low Distortion Subwoofer		•	•	-
	Audio D/A Converter		-	-	192kHz/24-bit
SMART NETWORKING	Party Mode*1 / Multi-zone*2		•	•	•
	Subscription Service		•	•	•
	Wi-Fi Frequency Range		• (5GHz / 2.4GHz)	• (5GHz / 2.4GHz)	• (5GHz / 2.4GHz)
	Ethernet (10 Base-T / 100 Base-TX)		•	•	•
	WPS support		•	•	•
	Panasonic Music Streaming App*3		•	•	•
DESIGN	Wall-Mountable		•	-	-
SPEAKER SYSTEM	Subwoofer	Configuration	1-way 1 speaker system (Bass-reflex)	-	-
		Speaker Unit [Approx.] Subwoofer	12cm x 1	-	-
	Front Speaker	Configuration	2-way 2 speaker system (Closed)	2-way 2 speaker system (Bass-reflex)	-
		Speaker Unit [Approx.] Woofer	8cm x 2	8cm Cone Type x 2	-
		Speaker Unit [Approx.] Tweeter	2.5cm x 2	2.5cm Semi-dome x 2	-
TERMINAL	Digital Audio Output		-	-	•
	Analogue Audio Output	Stereo (Gold-Coating Pin Jack)	-	-	• (FS:2Vrms)
	Analogue Audio Input (AUX)	Stereo (3.5mm Jack)	•	•	-
	LAN (Ethernet) Terminal	10 Base-T / 100 Base-TX	•	•	•
OTHERS	Power Supply		AC 220–240V 50Hz	AC 220–240V 50Hz	AC 220–240V 50Hz
	Power Consumption	Normal Use [Approx.]	22W	14W	3W
		Standby [Approx.]	0.15W	0.2W	-
DIMENSIONS, WEIGHT	Dimensions (W x H x D)		373 x 224 x 138mm	248 x 131 x 155mm	135 x 51 x 142mm
	Weight		4.2kg	2.5kg	0.34kg*4

*1 Party Mode: playing a single sound source simultaneously through multiple speakers. The maximum number of speakers is limited (Under study). *2 Multi-Zone: playing each of multiple songs within the same network to separate speakers. The maximum number of sound sources is limited (Under study). When using a subscription service, this function depends on the conditions of the service provider (Under study). *3 Download on the App Store. Downlsad on Google Play™. *4 Excluding the mount. Weight with the mount is approximately 0.35kg. When placing the speaker vertically, please use the included mount. – Specifications are subject to change without notice. Weight and dimensions are approximate.

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WIRELESS BLUETOOTH SPEAKERS

			SC-NA10	SC-NA30
AUDIO SYSTEM	Output Channel		2ch	2.1ch
	Power Output (RMS)	Total Power	10W - AC Adaptor / 8W - Battery	20W - AC Adaptor / 16W - Battery
		Front	5W per channel (1kHz, 6 ohms, 10% THD) - AC Adaptor 4W per channel (1kHz, 6 ohms, 10% THD) - Battery	5W per channel (1kHz, 6 ohms, 10% THD) - AC Adaptor 4W per channel (1kHz, 6 ohms, 10% THD) - Battery
		Subwoofer	-	10W per channel (100Hz, 3 ohms, 10% THD) - AC Adaptor 8W per channel (100Hz, 3 ohms, 10% THD) - Battery
USB	Slot		• (Battery charging for mobile device only)	• (Battery charging for mobile device only)
SOUND QUALITY	XBS Master (XBS / H.Bass / Multi Band Gain Control)		•	•
	Integrated Subwoofer		-	•
	Double Neodymium magnet		•	•
	Bluetooth Re-master		•	•
SMART NETWORKING	Panasonic Music Streaming App*1		•	•
	Bluetooth Wireless Technology / NFC (One-Touch Connection)*3		•	•
	aptX Low Latency*2		•	•
	Hands-Free Speakerphone		•	•
	Smartphone Charging*4		•	•
DESIGN	Cover Stand		•	-
SPEAKER SYSTEM	Front	Configuration	1-way 1 speaker system (Passive RadiatorType)	1-way 1 speaker system (Closed Type)
		Speaker Unit(s) [Approx.]	1-5/8" (4cm) x 2	2" (5cm) x 2
	Built-in Subwoofer	Configuration	-	1-way 1 speaker system (Passive Radiator Type)
		Speaker Unit [Approx.]	-	8cm x 1
	Passive Radiator	Speaker Unit [Approx.]	8cm x 1	8cm x 2
TERMINAL	Analogue Audio Input Stereo Ø3.5mm		• (AUX)	• (AUX)
OTHERS	Power Supply		DC IN 12V, 3A, Internal Battery 7.4V (Li-ion 1240mAh)	DC IN 12V, 3A, Internal Battery 7.2V (Li-ion 2900mAh)
	Battery Life in Use*5	LP Mode / Normal Mode [Approx.]	20h*6 / 11h	20h*7 / 14h
	Battery Charge Time [Approx.]		3h	3h
DIMENSIONS, WEIGHT	Dimensions (W x H x D)		204 x 105 x 41mm - with cover, 200 x 99 x 29mm - without cover	244 x 144 x 48mm
	Weight		520g - with cover, 415g - without cover	930g

*1 App is available in the App Store. App is available in Google Play. *2 The aptX mark and the aptX logo are trademarks of CSR plc or one of its group companies. *3 The installation of the Panasonic Music Streaming App required, before using NFC with the smartphone and tablet. OS Version 2.3.3 or later, Android device compatible with NFC only. *4 Rated value of DC output port of this unit is 5V/1A. If your device do not match this rate, your device may not charge even if you connect your device to the DC output port with a compatible cable. *5 By the measurement method prescribed in the provisions. *6 LP mode is the mode that uses much less power, by lowering sound pressure. Rated output power of usual battery operation is 8 Watts (RMS). Rated output power of LP mode is 1 Watts (RMS). *7 LP mode is the mode that uses much less power, by lowering sound pressure. Rated output power of usual battery operation is 16 Watts (RMS). Rated output power of LP mode is 8 Watts (RMS). – Specifications are subject to change without notice. Weight and dimensions are approximate.

COMPACT MUSIC SYSTEMS

			SC-PMX9	SC-PMX7/5	SC-PM250
PLAYABLE DISCS	CD, CD-R / -RW*1	CD-DA, MP3*2	•	•	•
AUDIO SYSTEM	Output Channel		2ch	2ch	2ch
	Power Output (RMS)	Total Power / Front	120W / 60W (1kHz, 3 ohms, 10% THD)	120W / 60W (1kHz, 3 ohms, 10% THD)	20W / 10W (1kHz, 6 ohms, 10% THD)
USB	Slot		•	•	•
	USB Standard		USB 2.0	USB 2.0 Full Speed	USB 2.0 Full Speed
	Playback	MP3*2 / FLAC*2	• / •	• / -	• / -
HIGH-QUALITY SOUND	Full Digital Amplifier System / High Performance Super Tweeter		• / •	• / -	• / -
	Low-noise Voltage Regulator / High-Quality Chip Film Capacitor		•	-	-
	LincsD-Amp		•	•	-
	Bluetooth Re-Master		-	-	•
	Flat Front Speaker		•	-	-
	Anti-Vibration Chassis		• (Main Unit)	• (Main Unit)	-
	Bamboo Carcoal PP Cone		• (Woofer)	• (Woofer)	-
	Digital Music Connection for iPod / iPhone / iPad		•	•	-
	D.Bass / Surround		•	•	•
	Preset EQ		4 (Heavy, Clear, Soft, Vocal) + Flat	4 (Heavy, Clear, Soft, Vocal) + Flat	4 (Heavy, Clear, Soft, Vocal) + Flat
	Bass & Treble Control		• (Knob on main unit)	• (Knob on main unit)	•
EASY OPERATION	Display		FL	FL	LCD
SMART NETWORKING	Panasonic Music Streaming App*3		•	•	•
	Wireless Audio with DLNA / AirPlay*4		•	-	-
	Bluetooth Wireless Technology		•	•	•
	iPod / iPhone Connection*5 / Works with iPhone 5 / iPod touch (5th gen.)		• (Integrated) / •	• (Integrated) / • (SC-PMX7 only)	- / -
SPEAKER SYSTEM	Front	Configuration	3-way 3 speaker system, Bass-reflex	3-way 3 speaker system, Bass-reflex	1-way 1 speaker, Bass-reflex
		Speaker Unit	Woofer: 14cm Cone Type Tweeter: 1.9cm Dome Type High Performance Super Tweeter: 1.2cm Piezo Type	Woofer: 14cm Cone Type Tweeter: 1.9cm Dome Type Super Tweeter: 1.5cm Piezo Type	Full Range: 10cm Cone Type
TERMINAL	LAN Terminal		•	-	-
	Analogue Audio Input (AUX)	Pin Jack / 3.5mm Jack	• / -	• / -	-
	Headphone Output		•	•	-
TUNER	Band / Station Presets		FM / 30	FM / 30	FM / 30
	RDS / Auto Tuning		•	•	•
	Antenna Terminals (75 ohms)		•	•	•
OTHERS	Power Supply		AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
	Power Consumption	Normal Use / Standby [Approx.]	60W / 0.4W	60W / 0.4W	14W / 0.2W*6
	Auto Power Off / Dimmer / Programmable Timer		• / • / PLAY/SLEEP	• / • / PLAY/SLEEP	• / • / PLAY/SLEEP
DIMENSIONS, WEIGHT	Main Unit	Dimensions (W x H x D) / Weight	210 x 120 x 266mm / 3.1kg	210 x 120 x 266mm / 3kg	184 x 123 x 228mm / 1.1kg
	Front Speaker	Dimensions (W x H x D) / Weight	161 x 238 x 264mm / 3.0kg	161 x 238 x 262mm / 2.6kg	139 x 224 x 136mm / 1.3kg

1 Playability may vary depending on the content, disc and quality of the recording. 2 For content-recorded disc media from CDs for your personal use.*3 App is available in the App Store. App is available in Google Play. *4 To use the AirPlay function, this unit must join the same network as the compatible device. *5 Not all models are compatible. See dealer for details. *3 Standby (Bluetooth standby on) power consumption approximately 0.3W. Playability may vary depending on the content, disc and quality of the recording. For content recorded for your personal use. Specifications are subject to change without notice. Weight and dimensions are approximate.

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			SC-HC49/49DB	SC-HC39	SC-HC29	SC-HC19
PLAYABLE DISCS	CD, CD-R / -RW*1	CD-DA / MP3*2	•	•	•	•
AUDIO SYSTEM	Output Channel		2ch	2ch	2ch	2ch
	Power Output (RMS)	Front	20W (1kHz, 8 ohms, 10% THD)	20W (1kHz, 8 ohms, 10% THD)	10W (1kHz, 8 ohms, 10% THD)	10W (1kHz, 8 ohms, 10% THD)
		Total Power	40W	40W	20W	20W
USB	Slot / Playback MP3*2 (USB Standard)		• (USB 2.0 Full Speed)	• (USB 2.0 Full Speed)	• (USB 2.0 Full Speed)	• (USB 2.0 Full Speed)
HIGH-QUALITY SOUND	LincsD-Amp		• (2nd generation)	• (2nd generation)	-	-
	Nano-Sized Bamboo Cone Speaker		•	•	-	-
	Pure Direct Sound System		•	•	•	•
	Bluetooth Re-Master		•	•	•	-
	Preset EQ		4 (Heavy, Clear, Soft, Vocal) + Flat	4 (Heavy, Clear, Soft, Vocal) + Flat	4 (Heavy, Clear, Soft, Vocal) + Flat	4 (Heavy, Clear, Soft, Vocal) + Flat
	Bass & Treble Control / D. Bass		•	•	•	•
SMART NETWORKING	Panasonic Music Streaming App*3		•	•	•	-
	Bluetooth Wireless Technology / NFC (One-Touch Connection)*4		•	•	•	-
	Works with iPhone 5 / iPhone 5s / iPhone 5c*5		•	-	-	-
	USB Connection for iPod / iPhone / iPad*6		•	-	-	-
DESIGN	Wall-Mountable / Motorized Door for CD		•	•	•	•
	Push Open Door for iPod / iPhone		•	-	-	-
SPEAKER SYSTEM	Front	Configuration	1-way 1 speaker, Dual Passive Radiator	1-way 1 speaker, Dual Passive Radiator	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex
		Speaker Unit [Approx.]	Full Range: 6.5cm Cone Type	Full Range: 6.5cm Cone Type	Full Range: 8cm Cone Type	Full Range: 8cm Cone Type
TERMINAL	Analogue Audio Input (AUX) 3.5mm Jack		-	•	•	-
TUNER	Band / Station Presets		FM / 30 (SC-HC49DB: DAB / 20, DAB+ / 20)	FM / 30	FM / 30	FM / 30
	RDS / Auto Tuning		•	•	•	•
	Antenna Terminals (75 ohms)		•	•	•	•
OTHERS	Power Supply		AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
	Power Consumption	Normal Use / Standby*7 [Approx.]	37W / 0.2W*8	26W / 0.2W*8	22W / 0.2W**8	14W / 0.2W
	Auto Power Off / Dimmer / Programmable Timer		• / • / PLAY/SLEEP	• / • / PLAY/SLEEP	• / • / PLAY/SLEEP	• / • / PLAY/SLEEP
DIMENSIONS, WEIGHT	Dimensions (W x H x D) / Weight		500 x 205 x 92mm / 2.5 kg	500 x 205 x 92mm / 2.5kg	400 x 197 x 107mm / 1.9kg	400 x 197 x 107mm / 1.9kg

*1 Playability may vary depending on the content, disc and quality of the recording. *2 For content-recorded disc media from CDs for your personal use. *3 App is available in the App Store. App is available in Google Play™. *4 OS Version 4.1 or later, Android device compatible with NFC only. *5 In detail, HC49 / HC49DB works with iPhone 5 / iPhone 5s / iPhone 5c / iPod touch (5th generation) / iPod nano (7th generation). *6 Not all models are compatible. See dealer for details. *7 Bluetooth standby off *8 No device is connected to the USB port or iPhone / iPod Dock before power off. Standby (Bluetooth standby on) power consumption approximately 0.3W. – Specifications are subject to change without notice. Weight and dimensions are approximate.

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SOUNDBARS

			SC-HTB880	SC-HTB680	SC-HTB580	SC-HTB8	SC-HTB170
AUDIO SYSTEM	Output Channel		5.1ch	3.1ch	3.1ch	2ch	2.1ch
	Power Output: Home Cinema Mode (RMS)	Total Power	500W	350W	310W	80W	120W
		Front	50W/ch (1kHz, 6 ohms, 10% THD)	70W/ch (1kHz, 6 ohms, 10% THD)	60W/ch (1kHz, 6 ohms, 10% THD)	40W/ch (1kHz, 8 ohms, 10% THD)	30W x 2 (1kHz, 6 ohms, 10% THD)
		Centre	50W (1kHz, 6 ohms, 10% THD)	70W (1kHz, 6 ohms, 10% THD)	60W (1kHz, 6 ohms, 10% THD)	-	30W x 2 (1kHz, 6 ohms, 10% THD)
		Surround	50W/ch (1kHz, 6 ohms, 10% THD)	-	-	-	-
		Subwoofer	250W (100Hz, 8 ohms, 10% THD)	140W (100Hz, 8 ohms, 10% THD)	130W (100Hz, 8 ohms, 10% THD)	-	60W (100Hz, 3 ohms, 10% THD)
	Dolby Digital		•	•	•	-	•
	Dolby Pro Logic II / Dolby Virtual Speaker		•	•	•	-	•
	DTS Digital Surround		•	•	•	-	•
HIGH-QUALITY PICTURE	FULL HD 3D Compatible		•	•	•	-	•
	1080p Output (x.v.Colour, Deep Colour)		•	•	•	-	•
HIGH-QUALITY SOUND	LincsD-Amp		• (2nd generation)	-	-	-	-
	Clear-mode Dialog		•	•	•	-	•
	Clear Voice		-	-	-	•	-
	Dialog Level Control		•	•	•	-	•
	Multi-angle Speaker Layout		•	•	•	•	•
	aptX Low Latency		•	-	-	-	-
	H.Bass		•	•	•	-	•
	Down Firing Subwoofer		•	•	•	-	-
	Up to 7.1ch Linear PCM Input via HDMI		•	•	•	-	•
EASY OPERATION	4K Signal Pass Through		•	-	-	-	-
	Wireless Subwoofer		•	•	•	-	-
	Auto Gain Control		•	•	•	-	•
	ARC (Audio Return Channel)*1		•	•	•	-	•
	IR Blaster Included		•	•	•	-	•
	VIERA Link™ (HDAVI Control 5)		•	•	•	-	•
	Wall-Mountable Speaker		•	•	•	•	•
SMART NETWORKING	Bluetooth Wireless Technology		•	•	•	•	•
	Panasonic Music Streaming App*2		•	•	•	•	•
	NFC (One-Touch Connection)*3		•	•	•	-	-
SPEAKER SYSTEM	Front	Configuration	2-way 2 speakers, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Passive radiator	2-way 2 speakers, Bass-reflex
		Speaker Unit [Approx.]	Woofer: 6.5cm Cone Type Tweeter: 2.5cm Semi-dome Type	Full Range: 6.5cm Cone Type	Full Range: 6.5cm Cone Type	Full Range: 8cm Cone Type x 2	Full Range: 5.7cm Cone Type x 2 Tweeter: 2.5cm Semi-dome Type x 2
	Centre	Configuration	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	-	-
		Speaker Unit [Approx.]	Full Range: 6.5cm Cone Type	Full Range: 6.5cm Cone Type	Full Range: 6.5cm Cone Type	-	-
	Surround	Configuration	1-way 1 speaker, Bass-reflex	-	-	-	-
	Subwoofer	Configuration	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	-	1-way 2 speakers, Bass-reflex
		Speaker Unit [Approx.]	Woofer: 16cm Cone Type	Woofer: 16cm Cone Type	Woofer: 16cm Cone Type	-	Woofer: 8cm Cone Type x 2
TERMINAL	HDMI Output		• (TV)	• (TV)	• (TV)	-	• (TV)
	HDMI Input		• (2) (BD / DVD, AUX)	• (BD / DVD)	• (BD / DVD)	-	• (BD / DVD)
	Digital Audio Input		• (TV)	• (TV)	• (TV)	• (TV)	• (TV)
	Analogue Audio Input (AUX)	Pin Jack	-	-	-	• (BD / DVD)	-
OTHERS	Power Supply		AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
	Power Consumption [Approx.]	**Total:** Normal Use	33W	36W	34W	20W	22W
		Standby (Bluetooth standby off)	0.49W*4	0.48W*4	0.48W*4	0.5W	0.4W
		Subwoofer: Normal Use	46W	23W	23W	-	-
		Standby (Power switch off)	0.2W*5	0.25W*5	0.25W*5	-	-
	Suitable TV Sizes		50"~	42"–50"	42"–50"	32"–42"	42"–50"
DIMENSIONS, WEIGHT	Front Speaker	Dimensions (W x H x D)	1125 x 51 x 121mm	950 x 53 x 110mm	950 x 53 x 110mm	750 x 65.5 x 118mm	950 x 66 x 105mm
		Weight	3.1kg	2.6kg	2.6kg	2.3kg	3.4kg
	Subwoofer	Dimensions (W x H x D)	180 x 408 x 306mm	180 x 408 x 306mm	180 x 408 x 306mm	-	-
		Weight	5.4kg	5.0kg	5.0kg	-	-

*1 ARC compatible TV is required. *2 Download on the App Store. Download on Google Play™. *3 To use NFC without downloading App, an OS Version 4.1 or later Android™ device is required. The installation of the Panasonic Music Streaming App allows use of an Android smartphone or tablet with the NFC function and OS Version 4.1 or earlier. *4 The other connected devices have to be turned off. Standby (Bluetooth standby on) power consumption approximately 0.3W (HTB880 / HTB680 / HTB580). *5 Standby (Wireless Link is not activated) power consumption approximately 0.4W (HTB880), 1.3W (HTB680 / HTB580). – Specifications are subject to change without notice. Weight and dimensions are approximate.

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SPEAKER BOARDS

			SC-HTE180	SC-HTE80
AUDIO SYSTEM	Output Channel		2.1ch	2.1ch
	Power Output: Home Cinema Mode (RMS)	Total Power	120W	120W
		Front / Centre	30W x 2 (1kHz, 6 ohms, 10% THD)	30W x 2 (1kHz, 6 ohms, 10% THD)
		Subwoofer	60W (100Hz, 3 ohms, 10% THD)	60W (100Hz, 3 ohms, 10% THD)
	Dolby Digital		•	•
	Dolby Pro Logic II / Dolby Virtual Speaker		•	•
	DTS Digital Surround		•	•
HIGH-QUALITY PICTURE	FULL HD 3D Compatible		•	•
	1080p Output (x.v.Colour, Deep Colour)		•	•
HIGH-QUALITY SOUND	Clear-mode Dialog		•	•
	Dialog Level Control		•	•
	H.Bass		•	•
	Sound Mode (Standard, Stadium, Music, Cinema, News, Stereo)		•	•
	Up to 7.1ch Linear PCM Input via HDMI		•	•
	Aero Stream Port x 2		•	•
	Dual Integrated Subwoofer		•	•
EASY OPERATION	Auto Gain Control		•	•
	ARC (Audio Return Channel)*1		•	•
	VIERA Link™ (HDAVI Control 5)		•	•
	Display		FL (Dot matrix)	FL (Dot matrix)
SMART NETWORKING	Bluetooth® Wireless Technology		•	•
	NFC (One-Touch Connection)*2		•	•
	Panasonic Music Streaming App*3		•	•
SPEAKER SYSTEM	Front	Configuration	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex
		Speaker Unit [Approx.]	Full range: 3.8 x 9cm Cone Type x 2	Full range: 3.8 x 9cm Cone Type x 2
	Subwoofer	Configuration	1-way 2 speakers, Bass-reflex	1-way 2 speakers, Bass-reflex
		Speaker Unit [Approx.]	Woofer: 8cm Cone Type x 2	Woofer: 8cm Cone Type x 2
TERMINAL	HDMI Output		• (TV)	• (TV)
	HDMI Input		• (BD / DVD)	• (BD / DVD)
	Optical Input		• (TV)	• (TV)
	Analogue Audio Input (AUX)	Pin Jack	• (RCA)	• (RCA)
		3.5mm Jack	-	-
OTHERS	Power Supply		AC 220–240V, 50Hz	AC 220–240V, 50Hz
	Power Consumption [Approx.]	Normal Use [Approx.]	27W	27W
		Standby [Approx.]	0.25W*4	0.25W*4
	Suitable Screen Sizes		42"–50"	32"–42"
DIMENSIONS, WEIGHT	Dimensions (W x H x D) / Weight		700 x 60 x 365mm / 4.5kg	460 x 60 x 280mm / 3.2kg
	Maximum Loading Weight [Approx.]		50kg	30kg

*1 ARC compatible TV is required. *2 OS Version 4.1 or later, Android device compatible with NFC only. *3 App is available in the App Store. App is available in Google Play. *4 The other connected devices have to be turned off. Standby (Bluetooth standby on) power consumption approximately 1.5W. Specifications are subject to change without notice. Weight and dimensions are approximate.

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HEADPHONES

		RP-HD10	RP-BTD10	RP-HC800	RP-HX550	RP-HXS400	RP-HXS200
SPECIFICATIONS	Headphone Type	High Resolution	Bluetooth	Noise Cancelling	Over-Ear Street Type	On-Ear Street Type	On-Ear Street Type
	Drive Unit Neodymium	50mm	40mm	40mm	40mm	40mm	30mm
	Impedance	18 ohm/1kHz	32 ohm/1kHz	19 ohm/1kHz (NC on), 17 ohm/1kHz (NC off)	32 ohm/1kHz	32 ohm/1kHz	24 ohm/1kHz
	Sensitivity	92 dB/mW	102 dB/mW	94 dB/mW (NC on), 92 dB/mW (NC off)	96 dB/mW	110 dB/mW	106 dB/mW
	Frequency response	4Hz - 50kHz	9Hz - 24kHz (wired)	10Hz - 25kHz	8Hz - 26kHz	9Hz - 26kHz	10Hz - 25kHz
	Cord length	1.2m and 3.0m detachable	1.5m detachable	1.5m detachable	1.2m	1.2m	1.2m
	Weight without cord	305g	198g	247g	240g	163g	138g
	Plug 3.5 mm / 6.3mm	• / •	• / –	• / – Airplane Adapt.	• / –	• / –	•/ –
	Nickel / Gold	– / •	– / •	– / •	– / •	– / •	– / •

DIGITAL RADIO

			RF-D10
AUDIO SYSTEM	Output Channel		1ch
	Power Output (RMS)	Total Power	2W (10% THD)
TUNER	Band / Station Presets		FM / 87.5-108.0 MHz (50KHz step) DAB BANDIII (5A-13F)
	DAB		DAB / DAB+
	FM / RDS		• / •*1
EASY OPERATION	10 Channel Memory / 5 Preset EQ / DAB Scan*2 / Auto Tune Mode		• / • p (Flat / Heavy / Soft / Clear / Vocal) / • / • (for FM)
	Programmable Timer		PLAY/SLEEP
	Battery Level Indication		•
DIMENSIONS, WEIGHT	Dimensions (W x H x D) / Weight		251 x 138 x 91mm / 1.3kg (with batteries), 1kg (w/o batteries)

*1 Not for RF-D10 (GN) *2 DAB scan can be done by selecting Full Scan from menu. – Specifications are subject to change without notice. Weight and dimensions are approximate.

HOME CINEMA SYSTEMS

			SC-BTT885	SC-BTT865	SC-BTT505
PLAYABLE DISCS	BD-ROM	FULL HD 3D / BD-Video	•	•	•
	BD-RE / BD-RE DL (Ver.3)	JPEG / MPO	•	•	•
	BD-R / BD-R DL (Ver.2)	Xvid / MKV	•	•	•
	DVD	DVD-Video	•	•	•
	DVD-R[*1] / DVD-R DL[*1] / DVD-RW[*1]	DVD-Video / -Recording	•	•	•
		AVCHD / Xvid / MKV	• / •* / • * (*DVD-R / DVD-R DL)	• / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* (*DVD-R / DVD-R DL)
		FLAC / WAV / WMA / AAC / MP3	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)
		JPEG / MPO	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)
	DVD+R[*1] / DVD+R DL[*1] / DVD+RW[*1]	Video / AVCHD	•	•	•
	CD, CD-R / CD-RW	CD-DA	•	•	•
		Xvid / MKV	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)
		FLAC / WAV / WMA / AAC / MP3	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)
		JPEG / MPO	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)
AUDIO SYSTEM	Output Channel		5.1ch	5.1ch	5.1ch
	Power Output:	Total Power	1200W	1200W	1200W
	Home Cinema Mode (RMS)	Front	200W/ch (1kHz, 3 ohms, 10% THD)	200W/ch (1kHz, 3 ohms, 10% THD)	200W/ch (1kHz, 3 ohms, 10% THD)
		Centre	200W (1kHz, 3 ohms, 10% THD)	200W (1kHz, 3 ohms, 10% THD)	200W (1kHz, 3 ohms, 10% THD)
		Surround	200W/ch (1kHz, 3 ohms, 10% THD)	200W/ch (1kHz, 3 ohms, 10% THD)	200W/ch (1kHz, 3 ohms, 10% THD)
		Subwoofer	200W (55Hz, 3 ohms, 10% THD)	200W (55Hz, 3 ohms, 10% THD)	200W (55Hz, 3 ohms, 10% THD)
	Dolby Digital / Dolby Digital Plus (Dolby TrueHD) / Dolby Pro Logic II		•	•	•
	DTS-HD Master Audio Essential / DTS-HD High Resolution Audio		•	•	•
USB	Slot		• (2)	• (2)	• (2)
		Front / Rears	For Playback	For Playback	For Playback
	USB Standard		USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed
	Playback	FLAC / WAV / WMA / AAC / MP3	•	•	•
		Xvid / MKV / MP4 / MPEG-2 / JPEG / MPO	•	•	•
HIGH-QUALITY PICTURE	4K Upscaling[*2]		•	•	•
	2D-3D Conversion / 3D Effect Controller		• (VOD)	• (VOD)	• (VOD)
	Full HD Upsampling		•	•	•
	1080/24p Playback[*3] / 1080p Up-Conversion with HDMI		•	•	•
	Deep Colour / x.v.Colour[*4]		•	•	•
HIGH-QUALITY SOUND	3D Cinema Surround		• (Advanced)	• (Advanced)	• (Advanced)
	LincsD-Amp		• (2nd generation)	• (2nd generation)	• (2nd generation)
	Digital Music Connection for iPod / iPhone		•	•	•
	Powerful Bass-reflex Subwoofer		-	-	-
	H.Bass		•	•	•
	EQ / Centre Focus / Subwoofer Level		•	•	•
EASY OPERATION	Wireless Rear Speakers		• (Included)	• (Included)	• (Ready with Optional Kit[*15])
	Smartphone Remote Control[*5*6]		•	•	•
	Multi-User Mode / Stylish GUI / Wallpaper		•	•	•
	Selectable Speaker Layout (Front Speaker Layout) / ARC[*16]		•	•	•
	Easy Settings		•	•	•
SMART NETWORKING	Internet Apps[DM*7]		•	•	•
	Panasonic Music Streaming App[*5]		•	•	•
	Bluetooth Wireless Technology		•	•	•
	aptX Low Latency		•	•	•
	DLNA (DMP&DMR) / Network Drive Access / BD-Live[DM*12]		•	•	•
	NFC (One-Touch Connection)[*8] / Miracast[DM*9]		•	•	•
	Wireless LAN System		• (Built-in)	• (Built-in)	• (Built-in)
	External HDD Playback[*11]		•	•	•
	USB Connection for iPod, iPhone / iPod, iPhone Playback (Music)		• (Integrated) / •	• (Integrated) / •	• (Integrated) / •
SPEAKER SYSTEM	Front	Configuration	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex
		Speaker Unit [Approx.]	Woofer: 8cm Cone Type x 2 Tweeter: 2cm Dome Type	Woofer: 8cm Cone Type x 2 Tweeter: 2cm Dome Type	Woofer: 8cm Cone Type x 2 Tweeter: 2cm Dome Type
	Centre	Configuration	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex
		Speaker Unit [Approx.]	Woofer: 6.5cm Cone Type x 2 Tweeter: 2cm Dome Type	Woofer: 6.5cm Cone Type x 2 Tweeter: 2cm Dome Type	Woofer: 6.5cm Cone Type x 2 Tweeter: 2cm Dome Type
	Surround	Configuration	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex
		Speaker Unit [Approx.]	Woofer: 8cm Cone Type x 2 Tweeter: 2cm Dome Type	Woofer: 8cm Cone Type x 2 Tweeter: 2cm Dome Type	Woofer: 8cm Cone Type x 2 Tweeter: 2cm Dome Type
	Subwoofer	Configuration	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex
		Speaker Unit [Approx.]	Woofer: 20cm Cone Type	Woofer: 20cm Cone Type	Woofer: 20cm Cone Type
TERMINAL	HDMI Output / Video Output		• / -	• / -	• / -
	HDMI Input / Digital Audio Input		• (2) / •	• (2) / •	• (2) / •
	Music Port		-	-	-
	Analogue Audio Input (AUX)	Pin Jack	•	•	•
	LAN (Ethernet) Terminal for BD-Live[DM*12], Internet Apps[DM*7], Firmware Update		•	•	•
OTHERS	Video System		PAL / NTSC	PAL / NTSC	PAL / NTSC
	Power Supply		AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
	Power Consumption	Normal Use / Standby [Approx.]	82W	82W	85W
	Band / Station Presets		FM / 30	FM / 30	FM / 30
	RDS		•	•	•
DIMENSIONS, WEIGHT	Main Unit	Dimensions (W x H x D) / Weight	430 x 65 x 326mm / 2.9kg	430 x 65 x 326mm / 2.9kg	430 x 65 x 326mm / 3.0kg
	Front Speaker	Dimensions (W x H x D) / Weight	270 x 1300 x 270mm[*14] / 4.0kg[*14]	270 x 1300 x 270mm[*14] / 4.0kg[*14]	157 x 537 x 155mm[*14] / 1.9kg[*14]
	Centre Speaker	Dimensions (W x H x D) / Weight	349 x 89 x 94mm / 1.2kg	349 x 89 x 94mm / 1.2kg	349 x 89 x 94mm / 1.2kg
	Surround Speaker	Dimensions (W x H x D) / Weight	270 x 1300 x 270mm[*14] / 4.0kg[*14]	157 x 537 x 155mm[*14] / 1.9kg[*14]	157 x 537 x 155mm[*14] / 1.9kg[*14]
	Subwoofer	Dimensions (W x H x D) / Weight	258 x 424 x 334mm / 9.0kg	258 x 424 x 334mm / 9.0kg	258 x 424 x 334mm / 9.0kg

*1 Discs recorded and finalized on recording devices. *2 Only Full-HD and SD 24p content can be up-converted for 4K2K resolution. For 4K Upscaling playback a TV with same resolution is required. *3 For BD-ROM/ BD-R and DVD-Video via HDMI. *4 This function is effective only when reproducing AVCHD data recorded with x.v.Colour technology. The function cannot be used with BD-ROM or DVD-ROM discs. HDMI connection is required. *5 Requires the device with the App installed and the home cinema to be connected to the same home network. *6 Download on the App Store. Download on Google Play™. *7 Requires broadband Internet service. *8 To use NFC without downloading App, an OS Version 4.1 or later Android™ device is required. The installation of the Panasonic Music Streaming App allows use of an Android smartphone or tablet with the NFC function and OS Version 4.1 or earlier. *9 Compatible with Android devices, Ver. 4.2 and above and Miracast certified. For information on whether the smartphone, etc. supports Miracast, contact the manufacturer of the device. *10 With the purchase of Wireless LAN Adaptor DY-WL5. *11 The external HDD with capacities of 2TB or less in processing NTFS/ FAT32 data is supported. Playback is not possible with some external hard disk drives. *12 To enjoy content, you will need to insert an SD card or USB flash drive (1GB or more of free space / sold separately). Requires broadband Internet service. *13 When the other connected devices are turned off. *14 Full assembly with stand base. – Playability may vary depending on the content, disc and quality of the recording. For content-recorded disc for your personal use. *15 With the purchase of SH-FX82. *16 ARC compatible TV is required. – Specifications are subject to change without notice. Weight and dimensions are approximate.

HOME CINEMA SYSTEMS

			SC-BTT465	SC-BTT405	SC-BTT230	SC-BTT105
PLAYABLE DISCS	BD-ROM	FULL HD 3D / BD-Video	•	•	•	•
	BD-RE / BD-RE DL (Ver.3)	JPEG / MPO	•	•	•	•
	BD-R / BD-R DL (Ver.2)	Xvid / MKV	•	•	•	•
	DVD	DVD-Video	•	•	•	•
	DVD-R[*1] / DVD-R DL[*1] / DVD-RW[*1]	DVD-Video / DVD-Recording	•	•	•	•
		AVCHD / Xvid / MKV	• / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* (*DVD-R / DVD-R DL)	•/ •* / •* (*DVD-R / DVD-R DL)
		FLAC / WAV / WMA / AAC / MP3	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	•* / •* / - / - / •* (*DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)
		JPEG / MPO	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	•	• (DVD-R / DVD-R DL)
	DVD+R[*1] / DVD+R DL[*1] / DVD+RW[*1]	Video / AVCHD	•	•	•	•
	CD, CD-R / CD-RW	CD-DA	•	•	•	•
		Xvid / MKV	• (CD-R / -RW)	• (CD-R / -RW)	•	• (CD-R / -RW)
		FLAC / WAV / WMA / AAC / MP3	• (CD-R / -RW)	• (CD-R / -RW)	• / • (DVD-R / DVD-R DL) / - / - / •	• (CD-R / -RW)
		JPEG / MPO	• (CD-R / -RW)	• (CD-R / -RW)	•	• (CD-R / -RW)
AUDIO SYSTEM	Output Channel		5.1ch	5.1ch	2.1ch	2.1ch
	Power Output	Total Power	1000W	600W	320W	300W
	Home Cinema Mode (RMS)	Front	167W/ch (1kHz, 4 ohms, 30% THD)	100W/ch (1kHz, 4 ohms, 30% THD)	60W x 2 (1kHz, 3 ohms, 10% THD)	100W/ch (1kHz, 4 ohms, 30% THD)
		Centre	167W (1kHz, 4 ohms, 30% THD)	100W (1kHz, 4 ohms, 30% THD)	-	-
		Surround	167W/ch (1kHz, 4 ohms, 30% THD)	100W/ch (1kHz, 4 ohms, 30% THD)	-	-
		Subwoofer	167W (55Hz, 4 ohms, 30% THD)	100W (55Hz, 4 ohms, 30% THD)	200W (100Hz, 3 ohms, 10% THD)	100W (55Hz, 4 ohms, 30% THD)
	Dolby Digital / Dolby Digital Plus (Dolby TrueHD) / Dolby Pro Logic II		• / • / •	• / • / •	• / • / •	• / • / -
	DTS-HD Master Audio Essential / DTS-HD High Resolution Audio		•	•	•	•
USB	Slot		•	•	• (2)	•
		Front / Rears	For Playback / -	For Playback / -	For Playback / For Communication Camera only	For Playback / -
	USB Standard		USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed
	Playback	FLAC / WAV / WMA / AAC/ MP3	•	•	• / • / - / - / •	•
		Xvid / MKV / MP4 / MPEG-2 / JPEG / MPO	•	•	•	•
HIGH-QUALITY PICTURE	Built-in 4K (Ultra HD) Upscaling[*2]		-	-	-	-
	2D-3D Conversion / 3D Effect Controller		-	-	• (BD / DVD / CD / SD Memory Card / VOD / USB / NAS)	-
	Full HD Upsampling		•	•	•	•
	1080/24p Playback[*3] / 1080p Up-Conversion with HDMI		•	•	•	•
	Deep Colour / x.v.Colour[*4]		•	•	•	•
HIGH-QUALITY SOUND	3D Cinema Surround		-	-	2.1ch Cinema Surround Plus	-
	LincsD-Amp		-	-	•	-
	Digital Music Connection for iPod / iPhone		-	-	•	-
	Powerful Bass-reflex Subwoofer		•	•	-	•
	H.Bass		-	-	-	-
	EQ / Centre Focus / Subwoofer Level		•	•	•	•
EASY OPERATION	Wireless Rear Speakers		-	-	-	-
	Smartphone Remote Control[*5*6]		•	•	•	•
	Multi-User Mode / Stylish GUI / Wallpaper		•	•	•	•
	Selectable Speaker Layout (Front Speaker Layout) / ARC		• / •	• / •	- / •	- / •
	Easy Settings		•	•	•	•
SMART NETWORKING	Internet Apps[*7]		• (Simple)	• (Simple)	•	• (Simple)
	Panasonic Music Streaming App[*6]		•	•	•	•
	Bluetooth Wireless Technology		•	•	-	•
	aptX Low Latency		-	-	-	-
	DLNA (DMP&DMR) / Network Drive Access / BD-Live[DM*12]		- / • / •	- / • / •	• / • / •	- / • / •
	NFC (One-Touch Connection)[*8] / Miracast[DM*9]		• / -	• / -	-	• / -
	Wireless LAN System		Capable with Optional Adaptor[*10]	Capable with Optional Adaptor[*10]	• (Built-in)	Capable with Optional Adaptor[*10]
	External HDD Playback[*11]		•	•	•	•
	USB Connection for iPod, iPhone / iPod, iPhone Playback (Music)		- / -	- / -	• (Integrated) / • (Music only)	- / -
SPEAKER SYSTEM	Front	Configuration	2-way 2 speakers, Bass-reflex	2-way 2 speakers, Bass-reflex	3-way 3 speakers, Bass-reflex	2-way 2 speakers, Bass-reflex
		Speaker Unit [Approx.]	Full Range: 6.5cm Cone Type Super Tweeter: Piezo Type	Full Range: 6.5cm Cone Type Super Tweeter: Piezo Type	Tweeter: 2.5cm Semi-Dome Type, Super Tweeter: Piezo Type, Woofer: 5.7cm Cone Type	Full Range: 6.5cm Cone Type Super Tweeter: Piezo Type
	Centre	Configuration	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	-	-
		Speaker Unit [Approx.]	Full Range: 6.5cm Cone Type Super Tweeter: Piezo Type x 2	Full Range: 6.5cm Cone Type Super Tweeter: Piezo Type x 2	-	-
	Surround	Configuration	2-way 2 speakers, Bass-reflex	2-way 2 speakers, Bass-reflex	-	-
		Speaker Unit [Approx.]	Full Range: 6.5cm Cone Type Super Tweeter: Piezo Type	Full Range: 6.5cm Cone Type Super Tweeter: Piezo Type	-	-
	Subwoofer	Configuration	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex
		Speaker Unit [Approx.]	Woofer: 16cm Cone Type	Woofer: 16cm Cone Type	Woofer: 16cm Cone Type	Woofer: 16cm Cone Type
TERMINAL	HDMI Output / Video Output		• / -	• / -	• / -	• / -
	HDMI Input / Digital Audio Input		- / •	- / •	• (2) / •	- / •
	Music Port		-	-	-	-
	Analogue Audio Input (AUX)	Pin Jack	•	•	• (RCA)	•
	LAN (Ethernet) Terminal f. BD-Live[DM*12], Internet Apps[DM*7], Firmware Update		• (Internet Apps: Simple)[*7]	• (Internet Apps: Simple)[*7]	•	• (Internet Apps: Simple)[*7]
OTHERS	Video System		PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
	Power Supply		AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
	Power Consumption	Normal Use / Standby [Approx.]	89W / 0.5W	64W / 0.5W	89W / 0.1W	46W / 0.5W
	Band / Station Presets		FM / 30	FM / 30	FM / 30	FM / 30
	RDS		•	•	•	•
DIMENSIONS, WEIGHT	Main Unit	Dimensions (W x H x D) / Weight	430 x 55 x 322mm / 2.7kg	430 x 55 x 322mm / 2.6kg	460 x 38.7 x 279.3mm / 2.7kg	430 x 55 x 322mm / 2.6kg
	Front Speaker	Dimensions (W x H x D) / Weight	270 x 1181 x 270mm[*14] / 2.7kg[*14]	83 x 141 x 75mm / 0.5kg	148 x 552 x 148mm / 0.87kg[**]	83 x 141 x 75mm / 0.5kg
	Centre Speaker	Dimensions (W x H x D) / Weight	304 x 87 x 77mm / 0.7kg	304 x 87 x 77mm / 0.7kg	- / -	- / -
	Surround Speaker	Dimensions (W x H x D) / Weight	83 x 141 x 75mm / 0.5kg	83 x 141 x 75mm / 0.5kg	- / -	- / -
	Subwoofer	Dimensions (W x H x D) / Weight	156 x 290 x 263mm / 3.4kg	156 x 290 x 263mm / 3.4kg	180 x 408 x 300 mm / 4.3kg	156 x 290 x 263mm / 3.4kg

** Vertical Placement with stand, Horizontal Placement for Wall-Mount: 1062 x 68 x 41mm // 1.49kg TRADEMARK NOTICE: Blu-ray Disc, Blu-ray and the logos are trademarks of the Blu-ray Disc Association. AVCHD and the AVCHD logo are trademarks of Panasonic Corporation and Sony Corporation. DLNA, the DLNA Logo and DLNA CERTIFIED are trademarks, service marks, or certification marks of the Digital Living Network Alliance. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade names are those of their respective owners. aptX software is copyright CSR plc or its group companies. All rights reserved. The aptX mark and the aptX logo are trademarks of CSR plc or one of its group companies and may be registered in one or more jurisdictions. Dolby and the double-D symbol are registered trademarks of Dolby Laboratories. DTS, DTS-HD, the Symbol & DTS and the Symbol together are registered trademarks, and DTS-HD Master Audio is a trademark of DTS, Inc. MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson. Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Google Play and Android are trademarks of Google Inc. Miracast is a mark or registered mark of the Wi-Fi Alliance. HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone, and iPod are trademarks of Apple Inc., registered in the U.S. and other countries.

TENTATIVE

3D BLU-RAY DISC™ RECORDER WITH HDD [EG/EB]

				DMR-BST940, DMR-BCT940	DMR-BST845, DMR-BCT845	DMR-BST745/740, DMR-BCT745/740	DMR-BWT745	DMR-BWT740	DMR-BWT640
PLAYABLE DISCS	BD-ROM		FULL HD 3D / BD-Video	•	•	•	•	•	•
	BD-RE / BD-RE DL (Ver.2.1)		JPEG / MPO	•	•	•	•	•	•
	BD-R (Ver.1.3 / LTH Type Ver.1.3) / BD-R DL (Ver.1.3)		Xvid / MKV	•	•	•	•	•	•
	DVD / DVD-RAM		DVD-Video / DVD-Video Rec. / AVCHD / JPEG / MPO	•	•	•	•	•	•
	DVD-R*1 / DVD-R DL*1 / DVD-RW*1		DVD-Video / DVD-Video Recording	• / •* (*DVD-RW)	• / •* (*DVD-RW)	• / •* (*DVD-RW)	• / •* (*DVD-RW)	• / •* (*DVD-RW)	• / •* (*DVD-RW)
			AVCHD / Xvid / MKV / MP3 / JPEG / MPO	• / •* / •* / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* / •* / •* (*DVD-R / DVD-R DL)
	+R*1 / +R DL*1 / +RW*1		Video / AVCHD	•	•	•	•	•	•
	CD / CD-R / CD-RW		CD-DA / Xvid / MKV / MP3 / JPEG / MPO	• / •* / •* / •* / •* (*CD-R / CD-RW)	• / •* / •* / •* / •* (*CD-R / CD-RW)	• / •* / •* / •* / •* (*CD-R / CD-RW)	• / •* / •* / •* / •* (*CD-R / CD-RW)	• / •* / •* / •* / •* (*CD-R / CD-RW)	• / •* / •* / •* / •* (*CD-R / CD-RW)
RECORDABLE DISCS	BD-R, BD-R DL / +R		Ver.1.3 and lower	• 6x max. speed, 6x max. speed (LTH type) / • 16x max. speed	• 6x max. speed, 6x max. speed (LTH type) / • 16x max. speed	• 6x max. speed, 6x max. speed (LTH type) / • 16x max. speed	• 6x max. speed, 6x max. speed (LTH type) / • 16x max. speed	• 6x max. speed, 6x max. speed (LTH type) / • 16x max. speed	• 6x max. speed, 6x max. speed (LTH type) / • 16x max. speed
	BD-RE, BD-RE DL / DVD-R		Ver.2.1 / Ver.2.1 and lower (Except Ver.1.0)	• 2x max. speed / • 16x max. speed	• 2x max. speed / • 16x max. speed	• 2x max. speed / • 16x max. speed	• 2x max. speed / • 16x max. speed	• 2x max. speed / • 16x max. speed	• 2x max. speed / • 16x max. speed
	DVD-RAM		Ver.2.2 and lower (Except Ver.1.0)	• 5x max. speed	• 5x max. speed	• 5x max. speed	• 5x max. speed	• 5x max. speed	• 5x max. speed
	DVD-R DL / +R DL		Ver.3 / Ver.1.1 and lower	• 8x max. speed	• 8x max. speed	• 8x max. speed	• 8x max. speed	• 8x max. speed	• 8x max. speed
	DVD-RW / +RW		Ver.1.2 a. lower (Except Ver.1.0) / Ver.1.2 a. lower	• 6x max. speed / • 4x max. speed	• 6x max. speed / • 4x max. speed	• 6x max. speed / • 4x max. speed	• 6x max. speed / • 4x max. speed	• 6x max. speed / • 4x max. speed	• 6x max. speed / • 4x max. speed
RECORDING FORMAT	BD-RE, BD-RE DL / BD-R, BD-R DL			Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format
	DVD-RAM			DVD-Video Recording Format	DVD Video Recording Format	DVD Video Recording Format	DVD Video Recording Format	DVD Video Recording Format	DVD Video Recording Format
	DVD-R, DVD-R DL / DVD-RW			DVD-Video Format*2, AVCHD Format / DVD-Video Format*2	DVD-Video Format*2, AVCHD Format / DVD-Video Format*2	DVD-Video Format*2, AVCHD Format / DVD-Video Format*2	DVD-Video Format*2, AVCHD Format / DVD-Video Format*2	DVD-Video Format*2, AVCHD Format / DVD-Video Format*2	DVD-Video Format*2, AVCHD Format / DVD-Video Format*2
	Built-in Hard Disk Capacity			2TB#	1TB#	500GB#	500GB#	1TB#	250GB#
RECORDING TIME	Hard Disk Drive	DR Mode [Approx.]		HD (14Mbps)*3: 303h / SD (5Mbps)*3: 847h	HD (14Mbps)*3: 150h / SD (5Mbps)*3: 422h	HD (14Mbps)*3: 75h / SD (5Mbps)*3: 211h	HD (8 Mbps)*3 : 129h / SD (4 Mbps)*3: 258h	HD (8 Mbps)*3 : 259h / SD (4 Mbps)*3: 518h	HD (8 Mbps)*3: 62h / SD (4 Mbps)*3: 124h
		HG / HX / HE / HL / HM Mode [Approx.]		315h / 471h / 707h / 946 h / 1370h	157h / 235h / 353h / 472h / 684h	78h / 117h / 176h / 235h / 341h	78h / 117h / 176h / 235h / 341h	157h / 235h / 353h / 472h / 684h	38h / 57h / 86h / 115h / 167h
		XP / SP / LP / EP Mode [Approx.]		431h / 863h / 1726h / 3452h	215h / 431h / 862h / 1724h	107h / 215h / 430h / 860h	107h / 215h / 430h / 860h	215h / 431h / 862h / 1724h	52h / 105h / 210h / 420h
	25 GB BD-RE / BD-R	DR Mode [Approx.]		HD (14Mbps)*3: 3h 30min / SD (5Mbps)*3: 10h 15min	HD (14Mbps)*3: 3h 30min / SD (5Mbps)*3: 10h 15min	3HD (14Mbps)*3: 3h 30min / SD (5Mbps)*3: 10h 15min	HD (8 Mbps)*3: 6h 30min / SD (4 Mbps)*3: 13h	HD (8 Mbps)*3: 6h 30min / SD (4 Mbps)*3: 13h	HD (8 Mbps)*3: 6h 30min / SD (4 Mbps)*3: 13h
		HG / HX / HE / HL / HM Mode [Approx.]		4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m
		XP / SP/ LP / EP Mode [Approx.]		5h 15m / 10h 30m / 21h / 42h	5h 15m / 10h 30m / 21h / 42h	5h 15m / 10h 30m / 21h/ 42h	5h 15m / 10h 30m / 21h / 42h	5h 15m / 10h 30m / 21h / 42h	5h 15m / 10h 30m / 21h / 42h
	50 GB BD-RE DL / BD-R DL	DR Mode [Approx.]		HD (14Mbps)*3: 7h 30min / SD (5Mbps)*3: 21h	HD (14Mbps)*3: 7h 30min / SD (5Mbps)*3: 21h	HD (14Mbps)*3: 7h 30min / SD (5Mbps)*3: 21h	HD (8 Mbps)*3: 13h / SD (4 Mbps)*3: 26h	HD (8 Mbps)*3: 13h / SD (4 Mbps)*3: 26h	HD (8 Mbps)*3: 13h / SD (4 Mbps)*3: 26h
		HG / HX / HE / HL / HM Mode [Approx.]		8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h
		XP/ SP/ LP/ EP Mode [Approx.]		10h 30m / 21h / 42h / 84h	10h 30 m / 21h / 42h / 84h	10h 30 m / 21h / 42h / 84h	10h 30m / 21h / 42h / 84h	10h 30m / 21h / 42h / 84h	10h 30m / 21h / 42h / 84h
	4.7GB DVD-RAM / DVD-R / -RW / +R/ +RW	XP/ SP/ LP/ EP Mode [Approx.]		1h / 2h / 4h / 8h	1h / 2h / 4h / 8h	1h / 2h / 4h / 8h	1h / 2h / 4h / 8h	1h / 2h / 4h / 8h	1h / 2h / 4h / 8h
	8.5GB DVD-R DL / +R DL Disc	XP/ SP/ LP/ EP Mode [Approx.]		1h 45 m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m
	9.4GB DVD-RAM	XP/ SP/ LP/ EP Mode [Approx.]		2h / 4h / 8h / 16h	2h / 4h / 8h / 16h	2h / 4h / 8h / 16h	2h / 4h / 8h / 16h	2h / 4h / 8h / 16h	2h / 4h / 8h / 16h
AUDIO SYSTEM	Dolby Digital Plus / Dolby TrueHD / DTS-HD Master Audio / DTS-HD High Resolution Audio			Decode and Bitstream Output*4	Decode and Bitstream Output*4	Decode and Bitstream Output*4	Decode and Bitstream Output*4	Decode and Bitstream Output*4	Decode and Bitstream Output*4
SD MEMORY CARD	Slot (Compatible Media: SD / SDHC / SDXC)			•	•	•	•	•	•
	Playback		JPEG / MPO / AVCHD / MP4	•	•	•	•	•	
	Transfer		to HDD	AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO
			to BD-RE / BD-R	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)
			to DVD-RAM	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO
			to BD-RE / HDD / DVD-RAM / -R / CD	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO
USB	Slot (2)		Front / Rear	• / • USB 2.0 High Speed	• / • USB 2.0 High Speed	• / • USB 2.0 High Speed	• / • USB 2.0 High Speed	• / • USB 2.0 High Speed	• / • USB 2.0 High Speed
	Playback	Mass Storage	MP3 / Xvid / MKV / MP4 / AVCHD / JPEG / MPO	•	•	•	•	•	•
		External HDD	Broadcast Stream	•	•	•	•	•	•
	Transfer	Mass Storage	to HDD	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3
			to BD-RE / BD-R	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)
			to DVD-RAM	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO
HIGH-QUALITY PICTURE	4K Upscaling*5 (24p / 25p) / 4K Direct Chroma Upscaling*5 / 4K JPEG Playback*5			• / • / •	• / • / •	• / • / –	• / – / –	• / – / –	• / – / –
	Picture Type Presets			•	•	–	–	–	–
	Adaptive Chroma Processing			•	•	•	•	•	•
	2D-3D Conversion, 3D Effect Controller			•	•	•	•	•	•
	Full HD Upsampling, 1080/24p Playback*6			•	•	•	•	•	•
HIGH-QUALITY SOUND	Digital Tube Sound with Upsampling / High Clarity Sound			•	•	–	–	–	–
	Pure Sound Mode / 96kHz Surround Re-Master*7 / Audio D/A Converter (192kHz/24bit)			•	•	•	•	•	•
EASY OPERATION	Record HD Programmes Simultaneously / CAS Recording*8			•[3] / •	•[2] / •	•[2] / •	• [2] / –	• [2] / –	– / –
	Keyword Recording / Remote Recording*9 *10			• / •	• / •	– / •	– / –	– / –	– / –
	Quick Operation - Direct Navigator*11 / EPG*11 / Disc Tray Opening*11			•	•	•	•	•	•
	TV Guide Viewing Operation (Portrait / Landscape) / Smooth Moving GUI			•	•	•	•	•	•
	VIERA Link (HDAVI Control 5)			•	•	•	•	•	•
	Pause Live TV & Rewind Live TV			•	•	•	•	•	•
	Auto Scene Chapter			• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)
	60 Sec. Skip & 10 Sec. Back / LAST VIEW			•	•	•	•	•	•
	Dot Matrix Display			• (10 Digits)	• (10 Digits)	• (10 Digits)	–	–	–
SMART NETWORKING	Multi-room TV Streaming*9 *10 *12 / Extra Storage with External HDD			• / •	• / •	• / •	• / •	• / •	– / •
	Remote Viewing*10 *12 *13 *14			•	•	•	–	–	–
	Panasonic Media Access for BD Recorder*15 *16			•	•	•	–	–	–
	Web Browser*17 / Wireless LAN System (Built-in)			• / •	• / •	• / •	• / •	• / •	• / Capable with Optional Adaptor*22
	Miracast™*18 / Internet Apps*10			•	•	•	•	•	•
	Compatible with FULL HD 3D Camcorder / Image Sharing from LUMIX*19			•	•	•	•	•	•
	DLNA (Client & Renderer)		Video – Audio	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3
TERMINAL	HDMI Output / Video Output / Coaxial Output / Optical Output / Analogue Audio Output			• [2] / – / • / • / •	• / – / – / • / •	• / – / – / • / •	• / TBC / • / • / •	• / TBC / • / • / •	• / TBC / • / • / •
	Euro SCART Input / LAN (Ethernet) Terminal / Common Interface Slot			• / • / • [2]*20	• / • / • [2]*20	• / • / • [2]*20	• / • / ???	• (PAL / NTSC) / • / TBC	• / • / TBC
TUNER	Tuner System			DMR-BST940: DVB-S / S2 (DiSEqC) x2, Single Cable x3 DMR-BCT940: DVB-C & DVB-T x3	DMR-BST845: DVB-S / S2 (DiSEqC) x2, Single Cable x2 DMR-BCT845: DVB-C & DVB-T x2	DMR-BST745/740: DVB-S/ S2 (DiSEqC) x2, Single Cable x2 DMR-BCT745/740: DVB-C & DVB-T x2	DVB-T	DVB-T / DVB-T2	DVB-T
	Antenna Receive Frequency			DMR-BST940: 950MHz to 2150MHz I DMR-BCT940: –	DMR-BST845: 950MHz to 2150MHz I DMR-BCT845: –	DMR-BST745/740: 950MHz to 2150MHz I DMR-BCT745/740: –	TBC	TBC	TBC
	Channel Coverage			DMR-BST940: – I DMR-BCT940: CATV: S1-S20 (M1-U10) 7MHz Band, D05-D073, D113-D858	DMR-BST845: – I DMR-BCT845: CATV: S1-S20 (M1-U10) 7MHz Band, D051-D073, D113-D858	DMR-BST745/740: – I DMR-BCT745/740: CATV: S1-S20 (M1-U10) 7MHz Band, D051-D073, D113-D858	VHF: 5-12, UHF: 21-69	UHF: 21-68	VHF: 5-12, UHF: 21-69
DIMENSIONS, WEIGHT	Main Unit		Dimensions (W x H x D)*21 / Weight	430 x 70 x 199mm / 3.1kg	430 x 63 x 199mm / 2.8kg	430 x 59 x 199mm / 2.2kg	430 x 59 x 238 mm / 2.9kg	430 x 59 x 238 mm / 3.3kg	430 x 59 x 238 mm / 2.9kg

*1 Discs recorded and finalized on recording devices. *2 It is compatible to a DVD-Video format after finalised. *3 The bit rates are approximate. Recording time of DR mode may vary depending on bit rate of broadcasting. *4 HDMI connection required. *5 For 4K Upscaling playback a TV with same resolution is required. *6 For BD-ROM / BD-R via HDMI. *7 Sampling frequency is set to 88.2kHz at CD playback. *8 Depending on the programme, it may not be possible to play back/decrypt after recording. *9 Requires browser in PC, smartphone or tablet. *10 Requires broadband internet service. *11 „Quick Start" needs to be set to „ON" and „Power Save for Network Standby" needs to be set to „OFF" to activate „Quick Start". *12 Remote Viewing and Multi-room TV Streaming are not possible for some pay-per-view programs. *13 Requires browser in smartphone or tablet. *14 Access is possible for only one device at a time from outside the home. *15 Download on the App Store. Download on Google Play™. *16 It enables the use of Remote Viewing and Multi-room TV Streaming. *17 Recorder's web browser doesn't support flash & some characters' set (e.g. Chinese etc.). Some features of websites may not be available on the web browser. *18 Compatible with Android™ devices, Ver.4.2 and above and Miracast certified. For information on whether the smartphone, etc. supports Miracast, contact the manufacturer of the device. *19 The LUMIX camera must support DLNA (DMR) function. *20 Compliant with CENELEC EN 50221: February, 1997. *21 Excluding the projecting parts. *22 With the purchase of Wireless LAN Adaptor DY-WL5. # Useable capacity will be less. – Specifications are subject to change without notice. Weight and dimensions are approximate.

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3D BLU-RAY DISC™ PLAYER [EG/EF/EB]

			DMP-BDT700	DMP-BDT500	DMP-BBT01	DMP-BDT460	DMP-BDT360/361	DMP-BDT260	DMP-BDT160/161	DMP-BD81
PLAYABLE DISCS	BD-ROM	FULL HD 3D / BD-Video	•	•	•	•	•	•	•	- / •
	BD-RE / BD-RE DL (Ver.3)	JPEG / MPO	•	•	•	•	•	•	•	• / -
	BD-R / BD-R DL (Ver.2)	Xvid / MKV	•	- / •	- / •	•	•	•	•	•
	DVD	DVD-Video	•	•	•	•	•	•	•	•
	DVD-R*1 / DVD-R DL*1 / DVD-RW*1	DVD-Video / DVD-Video Recording	•	•	•	•	•	•	•	•
		AVCHD / Xvid / MKV	•/ •*/ •* (*DVD-R / DVD-R DL)	• / - / •* (*DVD-R / DVD-R DL)	• / - / •* (*DVD-R/ DVD-R DL)	• / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* (*DVD-R / DVD-R DL)	• / •* / •* (*DVD-R / DVD-R DL)	• / •*/ •* (*DVD-R/ DVD-R DL)	• / •* / •* (*DVD-R / DVD-R DL)
		FLAC / WAV / MP3	• (DVD-R / DVD-R DL)	•	•	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)
		WMA / AAC	• (DVD-R / DVD-R DL)	-	-	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)
		JPEG / MPO	•	• (DVD-R DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• / - (DVD-R / DVD-R DL)
	DVD+R*1 / DVD +R DL*1 / DVD +RW*1	Video / AVCHD	•	•	•	•	•	•	•	•
	CD, CD-R / CD-RW	CD-DA	•	•	•	•	•	•	•	•
		Xvid / MKV	•	- / •	- / •	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)
		FLAC / WAV / MP3	•	•	•	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)
		WMA / AAC	•	-	-	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)
		JPEG / MPO	•	•	•	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW) / -
AUDIO SYSTEM	Dolby Digital / Dolby TrueHD		• Decode and Bitstream Output*2	• Decode and Bitstream Output**2	• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode [5.1ch] and Bitstream Output*2	• Decode [2ch] and Bitstream Output*2	• Decode [2ch] and Bitstream Output*2	• Decode [2ch] and Bitstream Output*2
	Dolby Digital Plus		• Decode and Bitstream Output*2	•	•	• Decode and Bitstream Output*2	-	-	-	-
	DTS-HD Master Audio Essential / DTS-HD High Resolution Audio		• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode and Bitstream Output*2
SD MEMORY CARD	Slot		•	•	•	•	-	-	-	-
	Compatible Media		SD / SDHC / SDXC	SD / SDHC / SDXC	SD / SDHC / SDXC	SD / SDHC / SDXC	-	-	-	-
	Playback	JPEG / MPO	•	•	•	•	-	-	-	-
		AVCHD	•	•	•	•	-	-	-	-
		MP4	•	•	•	•	-	-	-	-
USB	Slot		•	• (2)	•	• (2)	• (2)	•	•	•
		Front	•	For Playback	For Playback and Communication Camera	For Playback	For Playback	For Playback	For Playback	For Playback
		Rear	-	For Communication Camera only	–	-	-	-	-	-
	USB Standard		• (USB 2.0 High Speed)	• (USB 2.0 High Speed)	• (USB 2.0 High Speed)	• (USB 2.0 High Speed)	• (USB 2.0 High Speed)	• (USB 2.0 High Speed)	• (USB 2.0 High Speed)	USB 2.0 High Speed
	Playback	FLAC / WAV / WMA / AAC / MP3	•	• / - / - / - / •	• / - / - / - / •	•	•	•	•	•
		Xvid / MKV / MP4 / MPEG-2	•	•	•	•	•	•	•	•
		JPEG / MPO	•	•	•	•	•	•	•	• / -
HIGH-QUALITY PICTURE	4K Upscaling*3*4		•	-	-	•	•	-	-	-
	4K Upscaling*3*4	60p / 50p / 4:4:4 (HDMI2.0)*13	•	-	-	-	-	-	-	-
		24p / 25p	•	-	-	-	-	-	-	-
	4K Direct Chroma Upscaling*3		•	-	-	•	•	-	-	-
	4K JPEG Playback*3		•	-	-	•	-	-	-	-
	4K 60p Output		•	-	-	-	-	-	-	-
	Picture Type Preset		• (Cinema / Fine Cinema / Retro Cinema / Anime / Music Live)	-	-	-	-	-	-	-
	Video on Demand in HD Quality		•	-	-	•	•	•	•	•
	2D-3D Conversion		•	•	•	•	•	-	-	-
	3D Effect Controller		•	•	•	•	•	•	•	-
	Deep Colour		•	•	•	•	•	•	•	•
	x.v.Colour*5		•	•	•	•	•	•	•	•
HIGH-QUALITY SOUND	Twin HDMI		•	•	-	•	-	-	-	-
	Pure Audio on HDMI		•	-	-	-	-	-	-	-
	HDMI Low Clock Jitter Process		•	-	-	-	-	-	-	-
	High-Quality Network Audio Playback (DLNA)		• (FLAC / WAV / WMA / AAC / MP3)	•	•	• (FLAC / WAV / WMA / AAC / MP3)	• (FLAC / WAV / WMA / AAC / MP3)	• (FLAC / WAV / WMA / AAC / MP3)	• (FLAC / WAV / WMA / AAC / MP3)	• (FLAC / WAV / WMA / AAC / MP3)
	High Clarity Sound		• (Premium)	• (Plus)	• (Plus)	-	-	-	-	-
	Digital Tube Sound		• (192kHz/96kHz)	•	•	-	-	-	-	-
	Audio D/A Converter		• (192kHz/32bit)	• (192kHz/32bit)	-	-	-	-	-	-
	Analog 7.1ch Output		•	•	-	-	-	-	-	-
	Surround Re-Master*6		• (192kHz/96kHz)	•	•	-	-	-	-	-
EASY OPERATION	Web Browser		•	-	-	•	•	-	-	-
	Multi-User Mode / Stylish GUI / Wallpaper		•	•	•	•	•	•	•	•
SMART NETWORKING	Miracast™*7		•	-	-	•	•	-	-	-
	Internet Apps™*8		•	•	•	•	•	• (Simple)	• (Simple)	• (Simple)
	Wireless LAN System		• (Built-in)	• (Built-in)	• (Built-in)	• (Built-in)	• (Built-in)	• (Built-in)	Capable with Optional Adaptor*9	Capable with Optional Adaptor*9
	DLNA (Client & Renderer)		•	•	•	•	•	•	•	-
	External HDD Playback*10		•	•	•	•	•	•	•	•
	Network Drive Access		•	•	•	•	•	•	•	-
	BD-Live™*10		•	•	•	•	•	•	•	•
TERMINAL	HDMI Output		• (2)	• (2)	•	• (2)	•	•	•	•
	Video Output		-	•	-	-	-	-	-	-
	Optical Output		•	-	-	-	-	-	-	-
	Digital Audio Output		•	•	•	•	•	-	-	-
	Coaxial Output		•	•	-	-	-	-	-	-
	Analog Audio Output		LR / 7.1ch	7.1ch / 2.1ch+5ch	-	-	-	-	-	-
	LAN (Ethernet) Terminal for DLNA, BD-Live™*11, Internet Apps™*8 and Firmware Update		•	•	•	•	•	• (Internet Apps™: Simple)*7	• (Internet Apps™: Simple)*7	• (Internet Apps™: Simple)*7
OTHERS	Video System		PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
	Power Supply		AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 100–240V, 50/60Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
	Power Consumption [Approx.]	Normal Use	21W	12W	8.9W	18W	18W	14W	14W	14W
		Standby Quick Start Off	0.2W	0.2W	0.5W	0.5W	0.5W	0.5W	0.5W	0.5W
		Network Standby Quick Start On	6W	4.7W	4W	6W	5.5W	4W	4W	4W
DIMENSIONS, WEIGHT	Dimensions (W x H x D)*12 / Weight		446 x 68 x 245mm / 2.8kg	430 x 59 x 239mm / 2.6kg	179 x 27 x 179mm / 0.9kg	415 x 43 x 182mm / 1.2kg	415 x 43 x 182mm / 1.2kg	312 x 43 x 180mm / 1.0kg	312 x 43 x 180mm / 1.0kg	312 x 43 x 18mm / 1.0kg

*1 Discs recorded and finalised on recording devices. *2 HDMI connection required. *3 For 4K Upscaling playback a TV with same resolution is required. *4 Only Full HD and SD 24p content can be up-converted for 4K2K resolution. *5 This function is effective only when reproducing AVCHD data recorded with x.v.Colour technology. The function cannot be used with BD-ROM or DVD-ROM discs. HDMI connection is required. *6 CD sampling is done at 88.2kHz. MP3 data can be re-mastered only on CD. *7 Compatible with Android devices, Ver. 4.2 and above and Miracast certified. For information on whether the smartphone, etc. supports Miracast, contact the manufacturer of the device. *8 Requires broadband Internet service. *9 With the purchase of Wireless LAN Adaptor DY-WL5. *10 The external HDD with capacities of 2TB or less in processing NTFS / FAT32 data is supported. Playback is not possible with some external hard disk drives. *11 To enjoy content, you will need to insert a USB flash drive (1GB or more of free space, sold separately). Requires broadband Internet service. *12 Excluding the projecting parts and the pedestal. *13 To enjoy 4K / 60p images, high speed HDMI cables supporting 18 GB/s bandwidth are required.– Playability may vary depending on the content, disc and quality of the recording. For content recorded for your personal use. – Specifications are subject to change without notice. Weight and dimensions are approximate.

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AT A GLANCE: ICONS & LOGOS EXPLAINED

4K ULTRA HD TV

4K ULTRA HD: The new breed of Panasonic 4K Ultra HD TVs carry 3840x2160 pixels, which is four times as many as current Full HD. This means their pictures contain four times as much resolution, with an impact on picture quality that has to be seen to be believed.

4K Pure Direct: During 4K signal transmission to the TV via HDMI, colour information is slightly compromised, resulting in less-than-ideal colour shading and gradation. With 4K Pure Direct, all colour information and full resolution is transmitted to the TV, so the picture retains its crisp, rich colours as intended in 4K Ultra HD.

Web Browser 4K: As the name implies, the Web Browser lets you easily browse the Internet on the TV and enjoy user-friendly features. And with Web Browser 4K, you can enjoy online content in high 4K resolution, perfect for viewing maps on screen.

4K Studio Master Drive: To seamlessly complement your 4K viewing experience, several 4K Ultra HD VIERA TVs also feature 4K Studio Master Drive. It unites Super Chroma Drive and Black Gradation Drive to deliver accurate colour expression and smooth low-brightness gradation for vivid, intricate brightness and darks like never before.

4K Online Player: So you have superb images of online videos and websites in high 4K resolution, 4K Online Player directly streams 4K online content using a built-in 4K video decoder.

4K Media Player: The renowned Media Player is now available with VIERA 4K Ultra HD TVs. It lets you easily enjoy your personal multimedia entertainment stored on any USB memory device.

4K Swipe & Share: This free, updated iOS/Android Panasonic TV Remote 2 App lets you share photos stored on a compatible mobile device in full 4K resolution by 'swiping' them towards the TV.

4K ULTRA HD Upscaling: This digital video format boosts conventional Full HD media to the next generation of TV resolution, which is four times higher than Full HD – delivering breathtaking image and sound quality.

THX 4K Display: With VIERA panels featuring THX 4K Display, you can be sure of experiencing the original image quality of a movie just as the film-makers intended – in spectacular 4K. These VIERA TVs have cleared the high standards for 4K set by the THX® Certified Display Programme.

4K 50/60p Input: Based on HDMI 2.0 and Display Port™ 1.2a specifications, this input terminal accepts super-high-resolution 4K signals in outstanding high quality, with a higher frame rate capability.

Studio Master Colour: Experience more vivid viewing thanks to amazing colour gradations and brightness. It's possible with Studio Master Colour. The high-colour-space LED panel construction reproduces colours faithful to the original, for vividly colourful images from a wide colour gamut.

Up to 3000Hz BLS 4K IFC: This motion engine combines a powerful panel and Intelligent Frame Creation interpolation processing with backlight scanning to deliver cleaner, smoother and sharper 4K Ultra HD pictures from any source.

4K JPEG Playback: 4K JPEG Playback is essential for enjoying personal images on a large 4K screen in ultra-high 4K quality.

TECHNOLOGY

VIERA: The name for the Panasonic range of high-quality TVs, VIERA is known around the world for amazing picture quality and easy-to-use features that make your home entertainment experience better than ever.

IPS LED: Panasonic LED panels employ the latest liquid crystal material, with higher light output and a highly efficient LED backlight – resulting in super-low power consumption without compromising picture quality or features.

Full HD: Full High Definition (HD) offers an amazing resolution of 1920x1080 - in contrast, PAL offers 720x576 and NTSC 720x480. This means you can enjoy Full HD programmes and films with sharp, dynamic images and brilliant colour.

Slim LED: Stunning VIERA panel featuring LED backlight technology and a thin chassis with a slim, narrow bezel. Together, they provide excellent moving picture quality and a stylish design from virtually any viewing angle – while consuming less energy.

LED: VIERA panel featuring LED backlight technology and a slim chassis with narrow bezel. The panel provides excellent motion picture quality while consuming less energy, complemented by a design that delivers style to any interior.

EASY OPERATION

my Home Screen: With the Panasonic my Home Screen feature, you can customise the start-up screen of your VIERA TV to suit your personal style and needs. Quickly access your favourite apps and functionalities – my Home Screen gives you an easy overview at a glance.

my Stream: A wide variety of media – such as TV programmes, video on demand and Internet content – is seamlessly and automatically recommended to you by this intuitive interface. Via the Favourite button on the Touch Pad Remote, the TV conveniently learns your entertainment preferences.

my Home Cloud: From downloading home screens and apps to storing data, the Panasonic my Home Cloud gives you access via the VIERA TV to a wide variety of content and apps as well as an online shop for purchasing TV accessories.

Panasonic TV Remote 2 App: With this app, it is easy and fun to share – simply swap multimedia or websites from your smartphone's display to the TV screen and vice versa. This newly enhanced VIERA app goes a step further, letting you swipe and store your media from your smartphone to the TV.

Swipe & Share: Unleash the full potential of your smartphone with the Panasonic TV Remote 2 App and Swipe & Share functions. Share and stream personal content like pictures, movies and music to your VIERA TV simply from Android™ or Apple-based smartphones.

Game Mode: VIERA TVs come equipped with Game Mode. This smart feature speeds up the TV's image processing on the screen so you have a clear, fast-moving picture with every game. Enjoy sharp real-time gaming – where what you play is what you see.

Info Bar: The Info Bar automatically displays useful information, quickly as you walk by the TV. A proximity sensor, coupled with Face Recognition via the built-in camera, instantly calls up handy information on the TV, such as the weather forecast, messages, notifications and a clock.

TV Anywhere: Enjoy your favourite multimedia content wherever you are. The VIERA TV streams live broadcasts or recorded content stored on a USB HDD to your mobile device.

Touch Pad Remote: The newest VIERA TVs come supplied with a stylish Touch Pad Remote. Intuitive and robust, it also enables Voice Interaction and Voice Print for logging into my Stream and gaining access to your personal content. At the press of the Favourite button, you can give your 'thumbs up' to the programme you like.

Voice Assistant: With Voice Assistant, voice operation is virtually just like talking. It enables you to quickly search through desired content. At the same time, Voiceprint Recognition makes the log-in procedure simple and fast

Voice Guidance: VIERA TVs with Voice Guidance will verbally inform you of programme information, recording and other settings, and more with clear pronunciation and tone. It provides easy-to-understand operating procedures for people with impaired vision or elderly people.

NFC (Near Field Communication): Enables easy pairing of the NFC-capable speaker and smartphone via Bluetooth – at a single touch of the smart device – making troublesome settings a thing of the past.

SMART NETWORKING

Twin HD Tuner: With the Twin HD Tuner - either for satellite, cable or antenna hook-up - you can watch a TV show and zap at the same time, watch one show while recording another, or swipe the show to your tablet and watch something else on the TV.

Internet Apps: Cloud-based, the new Internet Apps functionality gives you instant and easy access to the Internet as well as a wide range of apps, Video on Demand services, games and more.

Wireless LAN built-in: Many VIERA TVs can be wirelessly connected to your home network. So you can take advantage of Internet Apps and DLNA networking throughout your home.

Wi-Fi Built-in: Many Panasonic video products can be wirelessly connected to your home network. So you can take advantage of Internet Apps and DLNA networking throughout your home.

Web Browser: The Web Browser will soon become one of your favourite functions. That's because it lets you easily browse the Internet – on the TV. And it features the Bookmark Launcher, which lets you navigate through up to 27 bookmarked website thumbnails.

USB HDD Recording: Thanks to this function, available with many new cutting-edge VIERA TVs, you can hook up an external USB hard disk to record TV shows or films in excellent quality. It also supports Timer Recording, Direct TV Recording and Pause Live TV.

Built-In Camera: The ideal complement to premium and high-end VIERA TVs, the Built-In Camera conveniently and automatically pops up when you receive a Skype video call on the TV so you can immediately begin to talk. It also works with Face Recognition to enable Info Bar functionality.

SDXC: With the SDXC Memory Card up to 64GB, you can view high-resolution movies, photos and AVCHD files via your home cinema set-up or VIERA TV featuring an SD Memory Card slot.

3D Passive Eyewear: Invite a friend over for a movie night and enjoy Hollywood blockbusters in amazing 3D. High-quality VIERA TVs featuring passive 3D rendering come with two 3D Passive Eyewear products.

3D Active Eyewear: The range of cutting-edge VIERA TVs featuring active 3D rendering comes with two 3D Active Shutter Eyewear products.

Media Player: To give you the full range of sharing options, all VIERA TVs feature the must-have Media Player. Just slot your USB memory device into the TV's dedicated port and the Media Player automatically starts up - so you can easily play back and view your multimedia entertainment.

Bluetooth®: Bluetooth is a wireless technology standard for exchanging data over short distances from fixed and mobile devices. This means you can connect any Panasonic Bluetooth-enabled product with other Bluetooth-enabled devices without the cable clutter - and in high quality.

Qualcomm® AllPlay™: A smart media platform that enables seamless streaming of high-quality local and Cloud-based content – via high-performance Wi-Fi connectivity – across multiple product brands and platforms.

Twin HDMI: With Twin HDMI, one signal output is exclusively dedicated to audio, so your home cinema media sounds incredible.

Wi-Fi Certified: Panasonic products that are Wi-Fi Certified have been specially certified by the Wi-Fi Alliance for their ability to wirelessly connect to your home network.

Panasonic Music Streaming App: Available for all models that feature Bluetooth®, AirPlay or DLNA, this app controls wireless music streaming from any device, be it smartphone, tablet or PC, and recognises compatible wireless speakers.

DLNA: Access videos, pictures and music stored in other rooms and enjoy content throughout the home by connecting compatible devices via DLNA. The Panasonic TV Remote 2 App lets you transfer content from your iPhone/Android™ tablet or smartphone to your TV, or access your DLNA server from mobile devices.

Social Networking: Share your thoughts while watching television at the same time. When your VIERA is connected to the Internet, Social Networking TV lets you access programmes like talent shows and chat about them simultaneously on Facebook or Twitter, or video chat with your mate while watching a live match.

Miracast™ / Display Mirroring*: This functionality uses Wi-Fi Direct technology to transfer content from a Wi-Fi device for playing back on a TV – even without a Wi-Fi access point.

*Functionality support depending on Android hardware and operating system version.

HIGH-QUALITY PICTURE

3D: If you want to enjoy hassle-free 3D films at home, then Panasonic has the ideal solution for you. Opt for a high-grade VIERA LED TV featuring 3D rendering and you'll get brilliant 3D entertainment with HD image quality.

Advanced Colour Spectrum: With Advanced Colour Spectrum, you can enjoy a great viewing experience, with brilliant colour gradations. This is thanks to cutting-edge LED panel technology, which reproduces colours vividly over a larger colour spectrum.

THX Display: With VIERA panels featuring THX Display, you can be sure of experiencing the original image quality of a movie just as the film-makers intended. These VIERA TVs have cleared the high standards set by the THX® Certified Display Programme.

3D: Enjoy your favourite blockbusters in stunning 3D at home. Full HD 3D Blu-ray Disc™ Playback brilliantly reproduces images that leap off the screen, with enhanced depth, lustre and texture.

2D-3D Conversion: To turn any 2D content into exciting 3D entertainment, all models and Panasonic players and recorders feature the 2D–3D Conversion function, letting you enjoy your entire Blu-ray Disc™ or DVD movie collection, or even your favourite TV programmes, with the exciting feeling of 3D.

Local Dimming: To ensure robust blacks and delicate gradation with any film genre, a select range of VIERA TVs feature Local Dimming, Local Dimming PRO or Local Dimming ULTRA. Rich gradation is achieved by matching the backlight control and optimising the brightness level to each area. This enables deeper black expression and displays even tiny details in dark scenes with crisp clarity.

ICON GLOSSARY

Processing Engine

Quad Core Pro5 : The most powerful processor found in the Panasonic TV line-up, Quad Core Pro5 features an advanced High Efficient Video Coding (HEVC) decoder for next-generation 4K entertainment. Images are smoother and more precise in detail, while operation of smart features is more seamless than ever.

Hexa-Processing Engine PRO: Ultra-fast and powerful, Hexa-Processing Engine PRO leverages a cutting-edge HEVC decoder to provide next-generation, high-efficiency video coding with improved compression. The result is a thrilling VIERA experience with absolutely breathtaking images.

Hexa-Processing Engine: The high-speed Hexa-Processing Engine by Panasonic leverages a total of six processing units to deliver an amazing VIERA experience. You'll not only notice the vivid colours – you'll also become immersed in the on-screen action.

Dual-Core: The Dual Core central processing unit (CPU) ensures the TV panel reproduces great picture quality and is equipped to handle Smart features, with seamless functionality.

Vreal Smart PRO: A dedicated multimedia engine, advanced Vreal Smart PRO ensures fast processing of all your digital networking as well as high picture quality. It is the powerhouse for a full entertainment experience, providing added smart features for more versatile viewing.

Vreal PRO: Ensures state-of-the-art picture rendering at enormously fast speeds for brilliant, high-resolution entertainment.

Content Optimizer: So you have beautiful pictures from virtually any source, VIERA TVs employ Content Optimizer. This high-performance engine leverages any number of enhancement features – refining a variety of images, broadcasts and websites as well as virtually all kinds of sources to provide excellent picture quality.

Advanced Features

Studio Master Drive: To seamlessly complement your intense Full HD viewing experience, some high-end Full HD VIERA TVs also feature Studio Master Drive. It unites Super Chroma Drive and Black Gradation Drive to deliver accurate colour expression and smooth low-brightness gradation for vivid, intricate brightness and darks like never before.

1080 Pure Direct: HDMI normally compresses the incoming broadcast signal and then the TV reproduces the picture, with less-than-ideal results. 1080P Pure Direct does not compress the colour signal, so the picture quality remains sharp and crisp.

Advanced Viewing Angle: Because not everyone can sit right in front of the TV at the same time, VIERA IPS LED TVs provide a 178° wide viewing angle so that friends and family sitting to the side can comfortably watch programmes and blockbuster films in all their vivid colour and brightness.

Contrast / Filter

Ultimate Contrast: The cutting-edge VIERA AX900 series features Ultimate Contrast, delivering ultra-bright images and impressive black levels. To achieve this, it combines innovative direct LED backlight technology with local dimming and intelligent rendering drivers.

Supreme Contrast: Several high-end VIERA TVs feature Supreme Contrast, which delivers spectacular levels of deep black with bright, crisp images. It does this by combining cutting-edge Panasonic panel technology with innovative LED backlight featuring Local Dimming.

Brilliant Contrast: To give you great contrast with bright images, deep black levels and low power consumption, many VIERA TVs feature Brilliant Contrast. It combines innovative panel and LED backlight technologies for an immersive home cinema viewing experience.

High Contrast: VIERA TVs with High Contrast deliver a genuine home cinema atmosphere. Deep blacks and bright whites make for more dynamic images, with great colour and crisp picture quality.

Motion (Hz)

1800Hz BLS IFC: Excellent picture rendering is yours with 1800Hz BLS Intelligent Frame Creation (IFC), available with high-end VIERA TVs. This advanced LED technology features enhanced high-speed drive performance so you can enjoy smooth images of sports or action scenes.

1200Hz BLS IFC: With a VIERA TV featuring 1200Hz BLS Intelligent Frame Creation (IFC), you are assured smooth, jutter-free reproduction of fast motion images. This drive technology combines intelligent scanning with enhanced high-speed drive performance to provide outstanding sports or action movies.

100Hz BLB: VIERA TVs featuring 100Hz BLB motion technology ensure your favourite films, games and TV programmes boast great motion sharpness for clear moving images.

HIGH-QUALITY SOUND

VR-Audio Master Surround 2.1 / Pro Surround 2.1: The innovative slim speaker system built into a host of cutting-edge VIERA TVs gives an outstanding boost to every film and music genre, with rich bass reproduction. Front firing technology, Digital Signal Processing and the Panasonic Sound Lifting Driver deliver a spatial sound impression.

VR-Audio True Surround: The advanced VR-Audio True Surround system gives the effect of a multi-channel system from only two speakers – to completely envelope you in a surround sound sensation.

V-Audio: Using an analogue-based algorithm, V-Audio achieves a left-right directional sound space for an excellent listening experience.

XBS Master: Short for Extra Bass System, XBS Master is a Panasonic-unique, high-quality sound technology for even more powerful bass sound without distortion.

aptX®: Developed for video content and gaming, aptX Low Latency provides seamless audio-video synchronisation when transmitted via Bluetooth® A2DP, offering a latency time of 32 milliseconds.

FLAC: FLAC stands for Free Lossless Audio Codec and is a High Definition audio compression technology without any loss in quality. Panasonic products with FLAC compatibility enable you to listen to compressed music files without compromising on high audio quality.

Clear-mode Dialog: Gives sound greater depth and makes voices sound like they're coming from the centre of the screen. The dialogue volume is adjustable to 4 levels, which is great for hearing clear dialogue over the surround sound.

LincsD-Amp: Based on MASH noise-shaping technology, LincsD-Amp markedly reduces jitter and sound distortion that can affect audio clarity – producing pure, brilliant sound.

High-res Sound: A clear listening experience is yours with High-res Sound, available for Panasonic audio products which support a playback frequency range of at least 48kHz.

DESIGN

Super narrow Bezel: So you can focus more on the film or programme you're watching, all Panasonic VIERA TVs feature a Super Narrow Bezel. Not only does it make your viewing experience more expansive, this design also perfectly harmonises with a premium home media centre.

ECO

Eco Navigation: Easily adjust a host of energy-saving functions, such as Intelligent Auto Standby and Eco Mode. Eco Navigation enables you to save even more energy while enjoying brilliant images.

Eco Mode: When Eco Mode is activated, a photo sensor measures the ambient light conditions in the room, and then the picture settings are automatically adjusted. As a result, the TV uses less power in dim lighting – without any deterioration in image quality.