

Get the big picture at work and play!



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Digital Projector Series Family Brochure





Perfect for Work and Play











For fun or for work, MP511+ has got elegant design, excellent performance, and handy features that'll make it a hit with you.

















MP612/612c is made for those who want a projector which can reliably deliver a bright picture that is easy on the eyes, along with a user interface and operation that does away with the complexities of other projectors



Sets of Application Modes

For extra versatility, the MP511+ provides a number of picture modes. These allow you to achieve excellent display quality whatever the application is and wherever you go.

Input Signal	Picture Mode	Application				
PC Signal Input	Dynamic	For viewing in brightly lit rooms				
	Presentation	Presentations				
	sRGB	Viewing digital photos in a living room				
	Cinema	Playing movies, video clips from camera camcorders through PC input				
	User1/User2	For personalized image colour				
A/V Input	Dynamic	For viewing in brightly lit rooms				
	Cinema	Viewing movies in a darkened room (curtains closed, but some residual light)				
	Standard	Makes photos more distinctive and sharper				
	User1/User2	For personalized image colour				

Wall Colour Correction

Wall colour correction provides optimized viewing experience for different surfaces, such as a classroom blackboard, that might be used to display content instead of a regular projector screen

Light yellow	Pink
Light green	Blue
Blackboard	

Long Lamp Life

At a rated 4000 hours, the MP612/612c's projection lamp will typically provide many months or even years of great viewing.

Presentation Timer

The MP612/612c's on-screen timer will keep your presentations on track. And instead of wondering where you are in the presentation, your audience can stay focused on the actual content.



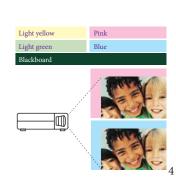
Top Access Lamp Door

While most projectors make replacing the lamp an ordeal, the MP612/612c makes this maintenance task simple by putting an easily opened access door right on the top of the unit.



Wall Colour Correction

This amazing feature makes it easy to get excellent picture quality with accurate colour rendi-tion even projecting onto a wall or other surface by automatically compensating for its colour.



Powerful to Fit in Your Business; Portable to Fit in Your Suitcase







Meet CP220c, and experience the unprecedented combination of functionality and mobility! When it comes to business competition, you need to be armed with the best equipment to achieve your goal. It is now there for you to acquire - get your CP220c projector and you're one step closer to success with every impeccable presentation.











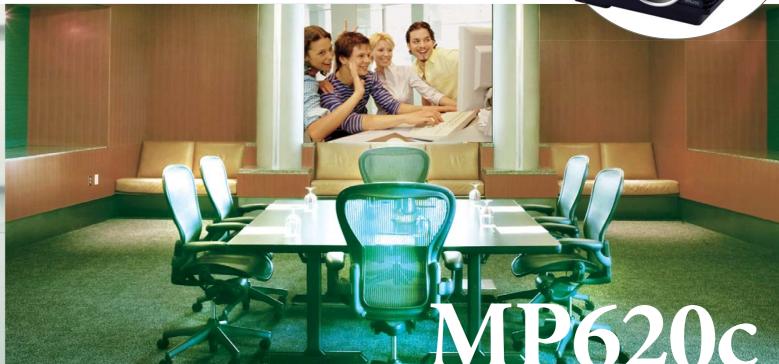




MP620c is perfect for any type of presentation, whether in a business or educational settings, with the performance and versatility to meet a variety of needs.







Auto Keystone

No more misshaped images, graphics, nor charts. CP220c can automatically, instantly check the projector's tilting and adjust projections for optimum viewing. There is nothing you need to







Mini Size of B5 Paper

1.8kg Weight

charge at your goals.

Powerful tools do not always come in big volume. Check out CP220c and its B5 mini size. You can effortlessly carry it around even in your briefcase.

Why drag yourself out when you deeply

understand every minute counts? With

a weight of only 1.8kg, CP220c gives you

freedom instead of burden so you can



1.8kg

Weight

2000 ANSI Lumens

A 2000 ANSI lumens projection lamp ensures great viewing even in locations with ambient light.

XGA

XGA (1024 × 768) resolution delivers vibrant images with precision colour and detail.



Blackboard Mode

For extra flexibility and convenience, BenQ has added a blackboard mode to the MP620c. That means even in a classroom or other venue where only a blackboard is available for use as a makeshift projection screen, you can still display legible text, cleanly rendered images, and crisp video. Simply switch the mode on and let the MP620c handle all the needed adjustment.





the lamp completely cools off before it stops operating.

Off and Go

Want your equipments keep up with your pace at all times? With CP220c, you can simply disconnect it and go to your next task. The cooling fans will ensure

Enjoy New Horizons of Silent Operation

















Because it runs at a whisper-quiet 26dB, MP622/622c offers an environment of silence as it projects our world in bright, high quality images. Inside MP622/622c's gloss-like sleek case, the craft of silencing makes you free from distractions of noise. With 2700/2200 ANSI lumens super brightness and delicate 16.7 million colours, your audience will see your confidence projected behind your back.











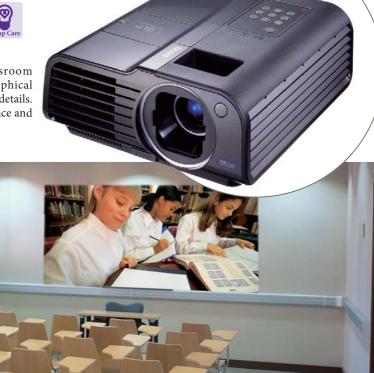








MP723/722 projectors are just the thing to add life to classroom presentations. Instructors can liven up their teaching with graphical presentations or even video delivered with brilliant colour and crisp details. The MP723/722 are the perfect way to enhance the learning experience and make the classroom experience come alive for students and teachers.



Whisper Quiet

Designed in Every Detail

Silent Engineering means that we look everywhere for improvements. We've re-designed our colour wheel for maximum absorption of noise and vibrations. We've also added a damper fixed between the MP622/MP622c's colour wheel and bracket for added reduction in noise and vibration.

Anti-Vibration Equals Added Quietness

Inside, our quiet-running cooling fan also includes a noiseabsorbing sponge while rubberized components dampen vibration that can cause noise. Outside, high elasticity rubber stops resonance with table tops in its tracks.

Low-Obstruction Ventilation Design

We've designed for a smoother flow of air through the MP622/ 622c. This lowers heat and allows exhaust fans to run at lower speeds for lower noise.



3300/3000 ANSI Lumens

Rated at an extra-bright 3300/3000 ANSI lumens, the MP723/722's lamp provides a clear, vivid image even in environments such as the typical classroom where it's impractical to block out extraneous light.

BrilliantColorTM

Texas Instruments' advanced on-chip BrilliantColor™ technology boosts mid-tone colours, increasing overall brightness and producing a more vibrant picture.

3D Colour Management

3D colour management lets users fine-tune the hue, saturation, and gain of primary colours to achieve the exact picture quality desired.



UNISHAPETM

MP723/722 are equipped with UNISHAPE[™] to offer a solution to the problem that the brightness of the image is reduced in existing technologies due to colour correction and dark video enhancement. UNISHAPE™ counteracts this effect by adapting lamp output dynamically to the colour wheel segment. With UNISHAPE™, it is now possible to get outstanding image quality in all situations with one and the same device.

P723/722

Short Distance, Amazing Large View























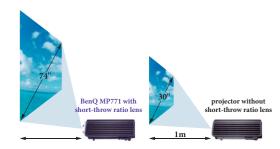
Wish you could enjoy a big-screen show, but don't think the space you have in mind is large enough? Then the BenQ MP771 is your small-space solution. That's because this premium, high-brightness XGA projector has an amazing short-throw ratio, enabling large-screen projection from a close range. It's perfect for places where space is limited, like partition rooms, small conference rooms, lecture halls or classrooms where physical layout forces the projector to be up close to the screen.



MP771

Short Throw

With its smart short-throw ratio, the MP771 makes big screen viewing easy for smaller areas, such as departmental meeting rooms or living rooms - where it can deliver a phenomenal experience with the interactive games currently in vogue. Able to project a 74" picture from just a mere meter away, the MP771 not only overcomes space constraints, but by positioning it close to the screen keeps the movements of viewers from affecting the picture.



The short-throw ratio also makes it more practical & safe for presenters to stand between the projector and audience, avoiding the annoyance and health risks of the bright projector lamp shining into their eyes.

The MP771's short-throw ratio means limited space no longer limits your big-screen viewing pleasure.

UNISHAPETM

MP771 is equipped with UNISHAPE™ to offer a solution to the problem that the brightness of the image is reduced in existing technologies due to colour correction and dark video enhancement. UNISHAPE™ counteracts this effect by adapting lamp output dynamically to the colour wheel segment. With UNISHAPE™, it is now possible to get outstanding image quality in all situations with one and the same device.

3D Colour Management

3D colour management lets users fine-tune the hue, saturation, and gain of primary colours to achieve the exact picture quality desired.

Give Presentations the

Widescreen Treatment















MP730 brings a cinema screen-like format to any show you put on—giving your audience the same expansive views as a lavish Hollywood production. With its sophisticated colour enhancement technologies, the MP730 will wow viewers because of the exquisite picture quality of what you put onscreen as well. For presentations with maximum impact in a wide range of viewing environments, the MP730 is what you are looking for.



WXGA

The widescreen WXGA resolution of the MP730 makes for a lavish viewing experience that will enhance any presentation or other content.

Wall Colour Correction

Wall colour correction provides automatic optimization for different surfaces that might be used to display content when a projector screen is not available.



80" 4:3 screen with 16:9 movie content in the native 4:3 resolution projector



80" 16:10 screen with 16:10 presentation content in the native 16:10 projector

A Power House Projector









SP820 is a superb choice for those who need an XGA projector that can reliably provide a bright, clearly viewable picture in virtually any environment. It's wide array of useful features are not only elegantly implemented, but are easily accessible through a well thought-out interface.



















BenQ's SP870 projector is the bright choice for meetings, with a powerful 5000 ANSI lumens lamp that lets you keep the lights on during use without detracting from the viewing experience. A dark room might be good for watching a movie, but it doesn't work so well for meetings or other occasions where participants need to take notes or consult printed documents. The SP870 is designed for just such situations, rendering a spectacularly vivid and richly coloured picture - even with the lights up. It will put the shipe on meetings and put a smile on the faces of those in attendance.



4000 ANSI lumens

An extremely powerful projection lamp, rated at a full 4000 ANSI lumens, makes the SP820 capable of displaying a bright, easily viewed image even in a lighted room.

Independent Colour Management

This feature allows you to adjust six colours for hue and saturation levels individually, achieving exactly the colour balance you desire.







Digital Zoom

The SP820's handy digital zoom makes it easy to enlarge specific portions of the picture, whether it's to emphasize a point in a presentation or examine details in a photo.



Explore the detail of any object that interests you!

5000 ANSI Lumens

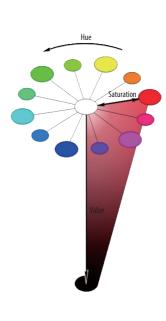
The SP870's 5000 ANSI lumens projection lamp provides far greater light output than typical projectors. As a result, it can deliver a brightly illuminated picture with fully saturated colours even in locations with high levels of ambient light.

BrilliantColorTM

Texas Instruments' advanced on-chip BrilliantColor™ technology boosts mid-tone colours, increasing overall brightness and producing a more vibrant picture.

3D Colour Management

3D colour management lets users fine-tune the hue, saturation, and gain of primary colours to achieve the exact picture quality desired.

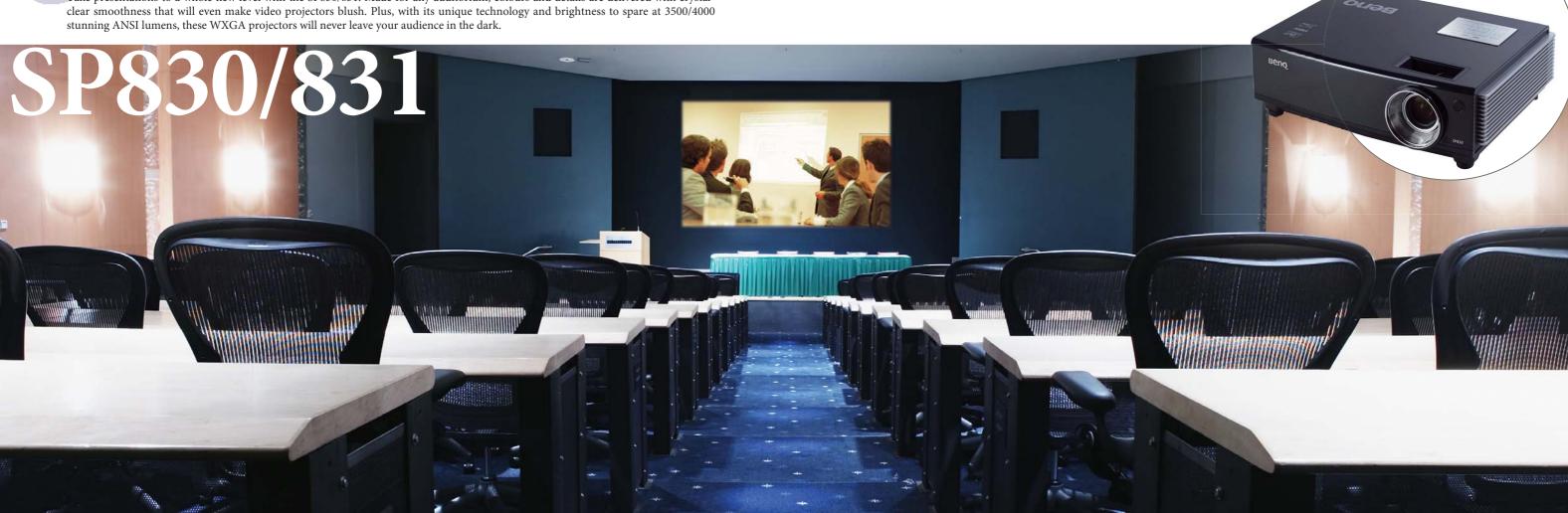






Colours so Vivid, It's Simply Mesmerizing

Take presentations to a whole new level with the SP830/831. Made for any auditorium, colours and details are delivered with crystal-



HOV

10 bit colour: Instead of using 8-bit technology with only 16 million colours, the SP830/831 are able to process a full 10 bit of colour data to distinguish and display more than 1 billion colours. The pictures are more lifelike and the colour precision is better than ever.

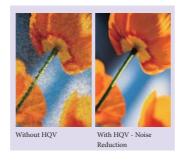


Chroma & Luma Transition Enhancement - Colour video signals such as NTSC, PAL or SECAM types all have luminance (luma) and chrominance (chroma) components. As the chroma signal bandwidth is usually narrower than luma signal bandwidth, colour edges changes occur much than luman edges changes. In other words, a chroma signal transition occurs fairly slower than a luma signal transition. Consequently, chroma signal edges/transitions usually appear degraded.

With Chroma & Luma Transition Enhancement, the SP830/831 sharpens the chroma signal transitions to give you razor-sharp video signals with no distracting picture blur.



Noise Reduction - Via a temporal noise filter, several frames are evaluated at once. Pixels that give rise to visual noise are then instantly identified and eliminated. Distortion resulting from too much compression is also corrected.



Detail Enhancement -Whether you're looking at moving or static images, the HQV detail enhancement technology identifies any blurred areas before processing and wiping them away. Contrast is then added automatically to making details stand out clearly.



High Brightness

Never worry if you can't always be guaranteed a dark room. The lumens generated from the SP830/831 is so bright, it's more than enough to highlight your presentations.

WXGA

Don't just make a presentation, make an instant impact. With resolution this high, deliver presentations in widescreen with sharper images that not only wow your audience, but also stay true to what you see on your laptop.



Split Screen

WXGA 1280×768 15:9

3,500/4,000 ANSILumens
2000:1

Split Screen
1 2

LEANNING
2000:1

Split Screen
1 2

LEANNING
2000:1

LEAN

With a simple touch of a button, there's no fumbling around to show two presentation files simultaneously and clearly.





Reach High - Go from SD to HD

If you're been looking to make the jump from standard to high-definition video, the W500 will help you do just that with the ultimate in ease. It's so simple to make the transition with the W500, yet the difference in quality will amaze.



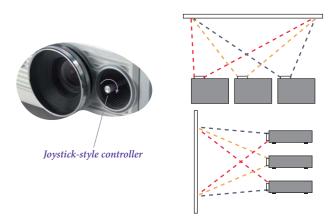


HQV Independent Colour Management

The W500 allows independent control of each colour component in the video, giving you the freedom to finetune tints and hues in the image exactly to your liking.

Lens Shift

Effortlessly position the video exactly where you want it by shifting the lens with the joystick controller, instead of moving the whole projector. No need to get up - just relax and enjoy the show.













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Nothing is Invisible - Ultra High Contrast for Cinema Class Performance











Most home projectors can't give a crisp image when the scene turns overly dark to overly bright. That's because they have a limited contrast ratio. W20000 is different. Built to deliver ultra-high contrast, this projector allows you to see visuals on-screen just as you would see them in real life. Because connoisseurs know the difference, this projector is built to world-class specifications.



Contrast/Dual Iris

A unique, Two-Step Image Enhancement Process: BenQ's Dual Iris Technology. When you are watching a really great movie, there are certain times when high contrast ratio can make all the difference, places like: the darkest reaches of outer-space, the skies high above the battlefield, a haunted house or inside an Egyptian pyramid. With high contrast ratio, everything is clear. You can see all of the details. Without it, you're just in the dark. In order to provide you with the most detailed image possible, the BenQ W5000 & W20000 enhance image contrast via its Dual Iris technology so that bright images become brighter and dark images become darker - both with more detailed and refined gradients between them. High contrast ratio means a higher level of viewing enjoyment.

HQV

The BenQ W5000 & W20000 can project Standard Definition Video in Full HD Clarity. When you want to view images that are below the 1080p HD standard - such as analog, 480i, 480p, 720i or 720p, our projector converts this content to deliver Full HD-like performance, ensuring that you get the best viewing experience possible.

Bringing Out all the Details

This projector can almost magically enhance video quality by meticulously analyzing and adjusting pixels one-at-a-time. It' s a process similar to that used by Hollywood studios to bring

1024 Tap Scaling

When a standard image becomes HD, each pixel on the screen needs to be adjusted and compared to its neighbors. With competitive projectors, each pixel is compared with 16 adjacent pixels. BenQ uses HQV technology, meaning that each and every pixel projected by the W5000 & W20000 is compared to the surrounding 1024 pixels to provide the best image quality.



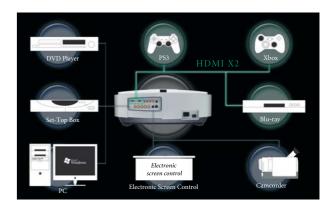


Noise Reduction

Random noise, also known as picture grain, is an inherent problem with all recorded visual material. The W5000/ W20000 effectively deal with systematic video noise and can also eliminate random noise present in the source video by examining multiple frames simultaneously to identify individual pixels that are incorrectly displayed.

HDMI

The W5000 & W20000 are thoughtfully designed with two HDMI slots so that you won't have to swap cables each time you want to view digital content from a second source. When your movie is over, and you and your guests want to view something else, the transition from one enjoyment to the next will be effortless.









Detail Specifications

Model	SP870	SP830/831	SP820	MP771	MP730	MP723/722	MP620c
Native Resolution	XGA(1024 x 768)	WXGA (1280 x 768)	XGA(1024x768)	XGA(1024x768)	WXGA(1280x800)	XGA(1024x768)	XGA(1024 x 768)
Projection System	DLP*	DLP*	DLP*	DLP*	DLP*	DLP*	DLP*
Brightness	5000 ANSI lumens	3500/4000 ANSI lumens	4000 ANSI lumens	3000 ANSI lumens	2200ANSI lumens	3300/3000 ANSI lumens	2000 ANSI lumens
Lamp	360W, 2000/3000 hours (Normal/ Economic mode)	300W, 3000/4000 hours (Normal/ Economic mode)	280W, 2000/3000 hours(Normal/ Economic mode)	280W, 3000/4000 hrs (Normal/ Economic mode)	200W,3000/4000 hrs (Normal/ Economic mode)	280W, 3000/4000 hrs (Normal/ Economic mode)	200W, 3000/4000 hrs (Normal/ Economic mode)
Contrast Ratio (FOFO)	2000:1	2000:1	2000:1	2000:1	700:1	2000:1	700:1
Weight	10.8 lbs (4.9 kg)	10 lbs (4.5 kg)	8.2 lbs (3.7Kg)	8.1 lbs (3.7Kg)	7.7 lbs (3.5Kg)	7.7 lbs (3.5Kg)	5.9 lbs (2.67 kg)
Noise Level	36/33 dB (Normal/Economic mode)	34/32 dB (Normal/Economic mode)	36/33dB (Normal/Economic mode)	34/29 dB (Normal/Economic mode)	32/30 dB (Normal/Economic mode)	34/29 dB (Normal/Economic mode)	28/24dB (Normal/Economic mode)
Resolution Support	640 x 480 to 1280 x 1024	640 x 480 to 1600 x 1200	640 x 480 to 1400 x 1050	640 x 480 to 1280 x 1024	640 x 480 to 1280 x 1024	640 x 480 to 1280 x 1024	640 x 480 to 1280 x 1024
Dimension (WxHxD)	14.8 x 4.5 x 10.9 inch (375 x 115 x 277 mm)	14.7 x 4.6 x 11.1 inches	11.8x3.5x9.6 inches	10.9 x 5.1 x 13.3 inches	10.8 x 5.1 x 12.2 inches	10.9 x 5.1 x 12.2 inches	10.9 x 4 x 8.7 inches
Image Size	31" to 300"	(375 x 115 x 277 mm) 25"to 300"	(300x 88 x 244 mm) 27"to 300"	(275.5 x 129 x 338 mm) 67"to 300"	(275.5 x 129 x 309.5 mm) 25.2" to 300"	(275.5 x 129 x 309.5 mm) 24"to 300"	(278 x 100 x 220 mm) 24" to 300"
Projection Ratio	60"@6.6 feet (60"@2m)	58"@6.6 feet (58"@2m)	55"@6.6feet (55"@2m)	74"@1m	58.5"@2m	54"@2m	54"@2m (54"@6.6 feet)
Throw Ratio	1.64 to 1.88:1	1.56 to 1.81:1	1.8 to 2.1	0.66	1.56 to 1.82:1	1.82 to 2.0:1	1.82 to 2.0:1
Throw Distance	Min: 1.2m; Max: 10m	Min: 1.00m; Max:10.3m	Min:1.12m; Max 10.9m	0.9M~4M	Min: 1.00m; Max: 10.3m	Min: 1.00m; Max: 10.9m	Min: 1.00m; Max: 10.9m
Keystone Adjustment	Vertical +- 25 degrees	Vertical +- 40 degrees; Horizontal + - 30	Vertical +- 15 degrees	Vertical +- 25 degrees	Vertical +- 25 degrees	Vertical +- 25 degrees	Vertical +- 20 degrees
Zoom Ratio	Manual Zoom, 1.15:1	degrees Manual Zoom, 1.16:1	Manual zoom, 1.15:1	Fixed	Manual zoom, 1.16:1	Manual zoom, 1.10:1	Manual zoom, 1.1:1
Lens F/Number	F=2.4~2.7 , f=38.87~46.63mm	F=2.4 to 2.58,f=22.32 to 26.06mm	F=2.6 to 2.8. f=26.0 to 29.8 mm	F=2.42, f=7.5 mm	F=2.4 to 2.58,f=22.32 to 26.06mm	F=2.4~2.48. f=20.7~22.8mm	F=2.6 to 2.77.f=20.4 to 23.5mm
	,	· ·		r=2.42, r=7.5 mm			
Lens Shift Range	NA	NA	NA	NA	NA	NA	NA
Colour Wheel	5 Segment, RYGBW, Speed: (2X,2X)		5 Segment, RGBWY	6 Segment, RGBYCW	6 Segment, RGBYCW	6 Segment, RGBYCW	5 Segment, RGBWY, Speed: (2X,2X)
Colour	Full 16.7 million colour palette	1.07 Billion	Full 16.7 million colour palette	Full 16.7 million colour palette	Full 16.7 million colour palette	Full 16.7 million colour palette	Full 16.7 million colour palette
Aspect Ratio	4:3/16:9 screen selectable	15:9 Native	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable
Horizontal Frequency	31-93 kHz	24-82 kHz	31-90 kHz	31 ~ 82 kHz	31 ~ 82 kHz	31 ~ 82 kHz	31 ~ 82 kHz
Vertical Scan Rate	48-85 Hz	48-85 Hz	50-85 Hz	48 ~ 85 Hz	48 ~ 85 Hz	48 ~ 85 Hz	48 ~ 85 Hz
Input Terminals	PC Analog RGB: D-sub 15 pin x 1 DVI-D (HDCP support) Component Video: RCAx 3 S-Video: Min Din 4 pin x 1 Composite Video: RCA x 1 PC Audio: Stereo Mini Jack x 3	DVI-I (HDCP support) RJ45 x 1	D-sub (15 pin) X 1 DVI-D X 1 Component Video X 1 (shared with D-sub) Composite Video X 1 S-Video X 1 PC Audio Jack X 1 L/R audio: RCA Set x 1	D-sub (15 pin) X 1 DVI-I (support HDCP) X 1 Component Video X 1 (shared with D-sub) Composite Video X 1 S-Video X 1 PC Audio Jack X 1	Analog RGB: D-sub 15 pin x 1 HDMI (v.1.2) X 1 Component Video: RCA X 3 Composite Video: RCA X 1 S-Video X 1 PC Andio Jack X 1	D-sub (15 pin) X 1 DVI-I (support HDCP) X 1 Component Video X 1 (shared with D-sub) Composite Video X 1 S-Video X 1 PC Audio Jack X 1	Analog RGB: D-sub 15 pin x 1 DVI-1(Shared with wireless module) Component Video: D-sub 15 pin (Shared with Analog RGB connector) S-Video: Min Din 4 pin x 1 Composite Video: RCA x 1 PC audio: Stereo mini jack x 1
Output Terminals	PC Analog RGB: D-sub 15 pin x 1 12V trigger	PC Analog RGB: D-sub 15 pin x 1 L/R Audio: RCA set x 1	Analog RGB: D-sub 15 pin x 1 12V Trigger	12V Trigger D-sub (15 pin) X 1	12V Trigger	12V Trigger D-sub (15 pin) X 1	Analog RGB: D-sub 15 pin x 1
Computer Compatibility	VGA(640 x 480) to SXGA(1280 x 1024)	VGA(640 x 480) to UXGA(1600 x 1200)	VGA(640 x 480) to SXGA+(1400 x 1050)	VGA(640 x 480) to SXGA(1280 x 1024)	VGA(640 x 480) to SXGA(1280 x 1024)	VGA(640 x 480) to SXGA(1280 x 1024)	VGA(640 x 480) to SXGA(1280 x 1024)
Speakers	2 Watt Speaker x 2	2 Watt Speaker x 2	3 Watt x 1	2 Watt x 1	2 Watt Speaker x 1	2 Watt Speaker x 1	2 Watt Speaker x 1
Control Terminals	USB Connector : USB x 1, Type mini B Serial Connector : RS232 8 pin MINI DIN Wire Control: Mini jack x 1	USB Connector : USB x 1, Type mini B Serial Connector : RS232 8 pin MINI DIN Wire Control: Mini jack x 1	USB Connector : USB x 1, Type mini B Serial Connector : RS232 8 pin MINI DIN	USB Connector : USB x 1, Type mini B Serial Connector : RS232 8 pin MINI DIN	USB serial control : USB x 1 Type mini B Serial Connector : RS232 8 pin MINI DIN	USB Connector : USB x 1, Type mini B Serial Connector : RS232 8 pin MINI DIN	USB x 1 Type mini B RS232 serial control: mini đin 8 pin x 1
Video Compatibility	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM
Auto Switching Power Supply	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	90 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz
Power Consumption	Max 510W	Max 450W	Max 350W	Max 365W	Max 285W	Max 365W	Max 305W
On-Screen Display Language	English/French/German/Italian/ Spanish/Russian/Traditional Chinese/ Simplified Chinese/Japanese/Korean/ Swedish/Dutch/Turkish/Czech/ Portuguese/Thai/Polish (17 languages)	English/French/German/Italian/ Spanish/Russian/Traditional Chinese/ Simplified Chinese/Japanese/Korean/ Swedish/Dutch/Turkish/Czech/ Portuguese/Thai/Polish (17 languages)	English/French/Spanish/Thai/Korea/ German/Italian/Russian/Swedish/ Dutch/Polish/Czech/Traditional Chinese/Simplified Chinese/Japanese/ Turkish/Portuguese. (17 languages)	English/French/Spanish/Thai/Korea/ German/Italian/Russian/Swedish/ Dutch/Polish/Czech/Traditional Chinese/Simplified Chinese/Japanese/ Turkish/Portuguese. (17 languages)	English/French/Spanish/Thai/Korea/ German/Italian/Russian/Swedish/ Dutch/Polish/Czech/Traditional Chinese/Simplified Chinese/Japanese/ Turkish/Portuguese. (17 languages)	English/French/Spanish/Thai/Korea/ German/Italian/Russian/Swedish/ Dutch/Polish/Czech/Traditional Chinese/Simplified Chinese/Japanese/ Turkish/Portuguese. (17 languages)	English/French/Spanish/Thai/Korea/ German/Italian/Russian/Swedish/ Dutch/Polish/Czech/Traditional Chinese/Simplified Chinese/Japanese/ Turkish/Portuguese. (17 languages)
Preset Modes/Application Modes	PC Input: Dynamic Mode Presentation Mode Cinema Mode skiGi Mode User 1 Mode User 2 Mode User 2 Mode Dynamic Mode Standard Mode Cinema Mode User 1 Mode	PC Input Presentation Mode Blackboard Mode Cinema Mode Dynamic Mode Standard Mode Standard Mode Usert/User2/User3 AV Input Cinema Mode Dynamic Mode Standard Mode Backboard Mode Backboard Mode Blackboard Mode	PC Input. Dynamic Mode Presentation Mode Ginema Mode Gamting Mode Standard Mode AV Input. Dynamic Mode Ginema Mode Ginema Mode Ginema Mode Ginema Mode Gamting Mode Standard Mode Standard Mode Standard Mode	PC Input: Dynamic Mode Dynamic Mode Presentation Mode Canema Mode SIGB Mode User 1 Mode User 1 Mode User 2 Mode AV Input: Dynamic Mode Standard Mode Canema Mode User 1 Mode User 1 Mode User 1 Mode User 1 Mode	PC Input: Dynamic Mode Presentation Mode Canema Mode SRGB Mode User 1 Mode User 1 Mode User 2 Mode AV Input: Dynamic Mode Standard Mode Canema Mode User 1 Mode	PC. Input. Dynamic Mode Presentation Mode Cinema Mode SRGB Mode User 1 Mode User 1 Mode User 2 Mode AV Input. Dynamic Mode Standard Mode Cinema Mode User 1 Mode	PC Input. Dynamic Mode Presentation Mode Cinema Mode SRGB Mode Blackboard Mode Blackboard Mode Standard Mode Standard Mode Cinema Mode Blackboard Mode
Functions	BrilliantColor" UNISHAPE" Quick Auto Search Presentation Timer Power On/Off Tone Pand Key Lock Resolution Reminder 11 sets of Application Mode ('Q' Hot Key for FAQ Blank (ECO mode) Quick Cooling Auto Off Security Password High Altitude Mode 3D Colour Management MyScreen Time Controller Freeze Wall Colour Correction Lamp Care 12V trigger HDCP Compatible HDTV Compatible	DVI(HDCP support) HD TV Compatibility MyScreen Background Colour Digital Zoom Digital Screen Shift 2D Keystone Auto Off Sleep Timer Off & Go (Offline Cooling) Signal Shuttle (Optional)	Digital Zoom Independent Colour Managment H+V Position Adjustment Translucent Menu Grip Handlel Freeze Auto Off Security Password HDTV Compatible	BrilliantColor* UNISHAPE* Quick Auto Search Presentation Timer Power On/Off Tone Panel Key Lock	BrilliantColor" Sliding Door Quick Auto Search Presentation Timer Power On/Off Tone Pand Key Lock Resolution Reminder 11 sets of Application Mode (QC' Hot Key for EAQ Blank (ECO mode) Quick Cooling Auto Off Security Password High Altitude Mode 3D Colour Management MyScreen Time Controller Detachable Keypad Freeze Wall Colour Correction 12V trigger Lamp Care	BrilliantColor* UNISHAPE* Skiding Door Quick Auto Search Presentation Timer Power On/Off Tone Panel Key Lock Resolution Reminder II sets of Application Mode 'Q2' Hot Key for EAQ Blank (ECO mode) Quick Cooling Auto Off Security Password High Altitude Mode 3D Colour Management MyScreen Time Controller United Court Off Tenere Wall Colour Correction 12V trigger Lamp Care	Presentation Timer Power On/Off Tone Pand Key Lock Resolution Reminder 9 sets of Picture Mode (Q?* Hot Key for FAQ Auto Adjustment Freeze Auto Adjustment Blank[E/O mode) Quick Cooling Auto Off Security Password High Altitude Mode Mute HDTV Compatible Macintosh* Compatible MyScreen (Optional) High Altitude Mode
Accessories (Standard)	User's Manual Quick Start Guide Manual CD Remote Control Batteries for R/C VGA Cable Power Cord	User's Nanual Quick Start Guide Manual CD Remote Control Batteries for R/C VGA Cable VGA-DVI Cable Power Cord	User's Manual CD Quick Start Guide Remote Control Battery for N/C VGA Cable USB Cable PC Audio Cable Power Cord	Quick Start Guide Manual CD Remote Control Batteries for R/C VGA Cable Power Cord Rubber Cover(for Detachable Keypad)	Quick Start Guide Manual CD Remote Control Batteries for R/C Soft Carry Case VGA Cable Power Cord Rubber Cover(for Detachable Keypad)	Quick Start Guide Manual CD Remote Control Batteries for R/C Soft Carry Case VGA Cable Power Cord Rubber Cover(for Detachable Keypad)	Quick Start Guide Manual CD Remote Control Soft Carry Case Batteries for R/C VGA Cable Power Cord Video Cable
Accessories (Optional)	Ceiling Mounting Kit Spare Lamp Kit Presentation Plus	Ceiling Mounting Kit Spare Lamp Kit Signal Shuttle Presentation Plus	Ceiling Mounting Kit Presentation Plus Spare Lamp Kit RS232 Cable	Ceiling Mounting Kit Presentation Plus Spare Lamp Kit Soft Carry Case	Ceiling Mounting Kit Presentation Plus Spare Lamp Kit RS232 Cable	Ceiling Mounting Kit Presentation Plus Spare Lamp Kit	Ceiling Mounting Kit Presentation Plus Spare Lamp Kit Soft Carry Case My Screen RS232 Cable

MP622/622c	MP612/612c	MP511+	CP220c	W20000	W5000	W500
XGA (1024 x 768)	SVGA (800 x 600)	SVGA (800 x 600)	XGA (1024 x 768)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1280 x 720 (16:9)
DLP*	DLP*	DLP*	DLP*	DLP*	DLP*	3LCD
2700/2200 ANSI lumes	2500/2200 ANSI lumes	2100 ANSI lumens	2000 ANSI lumens	1200 ANSI lumens	1200 ANSI lumens	1100 ANSI lumens
200W,3000/4000 hrs (Normal/Economic mode)	200W, 3000/4000 hrs (Normal/Economic mode)	180W, 2000/3000 hours (Normal/ Economic mode)	220W, 2000/3000 (Normal/Economic mode)	200W, 2000/3000 hours (Normal/ Economic mode)	200W, 2000/3000 hours (Normal/ Economic mode)	140W, 2000/3000 hours (Normal/ Economic mode)
2000:1	2000:1	2000:1	700:1	20000:1	10000:1	5000:1
5.5 lbs (2.5 kg)	5.5 lbs (2.5 kg)	5.7 lbs (2.6kg)	4 lbs (1.8kg)	21 lb (9.6 kg)	21 lb (9.6 kg)	8.6 lbs (3.9 kg)
31/26dB	31/26dB	32/28 dB (Normal/Economic mode)	36/31 dB (Normal/Economic mode)	28/25 dB (Normal/Whisper mode)	28/25 dB (Normal/Whisper mode)	32/28 dB (Normal/Economic mode)
640 x 480 to 1280 x 1024	640 x 480 to 1280 x 1024	640 x 350 to 1280 x 1024	640 x 350 to 1280 x 1024	640 x 400 to 1920 x 1080	640 x 400 to 1920 x 1080	640 x 400 to 1920 x 1080
9.4 x 4.18 x 9.88 inches	9.4 x 4.18 x 9.88 inches	10.9 x 3.74 x 8.19 inches (277 x 95x208	9.76 x 3.09 x 7.83 inches	19.4 x 7.1 x 16.5 inches	19.4 x 7.1 x 16.5 inches	13.7 x 4.7 x10.9 inches
(239x 106.3 x 251 mm) 24"to 300"	(239x 106.3 x 251 mm) 24"to 300"	mm) 30" to 300"	(248 x 78.5 x 199 mm) 33"to 300"	(492 x 180 x 420 mm) 40" to 300"	(492 x 180 x 420 mm) 40" to 300"	(349 x 120 x 277 mm) 23.5" to 300"
54"@2m	54"@ 2m	50'@2m	50.74"@2m (50.74"@6.6 feet)	98"@4m (100"@13.12 feet)	98"@4m (100"@13.12 feet)	100"@3.3m (100"@10.8 feet)
1.82 to 2.0:1	1.82 to 2.0:1	2.0:1	1.9 to 2.3:1	1.81 to 2.17	1.81 to 2.17	1.49 to 1.79:1
Min: 1.00m; Max: 10.9m						
	Min: 1.00m; Max: 10.9m	Min: 1.00m; Max: 12.00m	Min: 1.00m; Max: 12.00m	Min: 2m; Max: 12.2m Vertical +- 40 degrees; Horizontal: +- 30	Min: 2m; Max: 12.2m Vertical + - 40 degrees; Horizontal + - 30	Min: 1.20m; Max: 10.00m Vertical +- 40 degrees; Horizontal: +- 30
Vertical +- 25 degrees	Vertical +- 25 degrees	Vertical +- 25 degrees	Vertical +- 20 degrees	degrees	degrees	degrees
Manual zoom, 1.10:1	Manual zoom, 1.10:1	1 (N/A)	Manual zoom, 1.16:1	Manual Zoom, 1.2:1	Manual Zoom, 1.2:1	Manual Zoom, 1.2:1
F= 2.4 to 2.48, f=20.7 to 22.8 mm	F= 2.4 to 2.48, f=20.7 to 22.8 mm	F=2.57(fixed)	F=2.5 ~ 2.74, f=22~25.5 mm	F=2.6 to 2.9,f=25 to 30mm	F=2.6 to 2.9,f=25 to 30mm	F=1.6 to 1.88,f=18.6 to 22.3mm
NA	NA	NA	NA	Vertical +120% -80%	Vertical +120% -80%	Vertical +- 120%, Horizontal +- 48%
5 Segment, RGBWY, Speed: (2X,2X)	5 Segment, RGBWY, Speed: (2X,2X)	5 Segment, RGBWY, Speed: (2X,2X)	5 Segment, RGBWY, Speed: (2X,2X)	7 Segment (RGBRGBW)	7 Segment (RGBRGBW)	N/A
Full 16.7 million colour palette	Full 16.7 million colour palette	Full 16.7 million colour palette	Full 16.7 million colour palette	Full 1.07 billion colour palette	Full 1.07 billion colour palette	Full 1.07 billion colour palette
4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	Native 16:9 (5 aspect ratio selectable)	Native 16:9 (5 aspect ratio selectable)	Native 16:9 (5 aspect ratio selectable)
31 ~ 82 kHz	31 ~ 82 kHz	31-82 KHz	31-82 KHz	15 ~ 75 kHz	15 ~ 75 kHz	15 ~ 75 kHz
48 ~ 85 Hz	48 ~ 85 Hz	48-85 Hz	48-85 Hz	50 ~ 100Hz	50 ~ 100Hz	50 ~ 100Hz
Analog RGB: D-sub 15 pin x 1	Analog RGB: D-sub 15 pin x 1		Analog RGB: D-sub 15 pin x 1	Analog RGB:BNC x 5 (shared)	Analog RGB :BNC x 5 (shared)	Analog RGB:D-subx1(Shared)
Component Video: D-sub 15 pin (Shared with Analog RGB connector)	Component Video: D-sub 15 pin (Shared with Analog RGB connector)	Analog RGB: D-sub 15 pin x 1 Component Video: D-sub 15 pin (Shared with Analog RGB connector)	Component Video: D-sub 15 pin (Shared with Analog RGB connector)	Digital: HDMI (with HDCP)x 2 Composite Video: RCA x 1	Digital: HDMI (with HDCP)x 2 Composite Video: RCA x 1	Digital: HDMI (with HDCP)x 1 Composite Video: RCA x 1
S-Video: Mini Din 4 pin x 1 Composite Video: RCA x 1	S-Video: Mini Din 4 pin x 1 Composite Video: RCA x 1	S-Video: Mini Din 4 pin x 1 Composite Video:RCA x 1	S-Video: Mini Din 4 pin x 1 Composite Video: RCA x 1	S-Video: Mini DIN 4 pin x 1 Component Video 1: RCA x 3	S-Video: Mini DIN 4 pin x 1 Component Video 1: RCA x 3	S-Video: Mini DIN 4 pin x 1 Component Video 1: RCA x 3
PC audio: Stereo mini jack x 1	PC audio: Stereo mini jack x 1	-	Stereo mini audio jack x 1	Component Video 2: BNC x 3 (shared)	Component Video 2: BNC x 3 (shared)	Component Video 2: RCA x 3(Shared)
D-sub (15 pin) X 1	D-sub (15 pin) X 1	N/A	Analog RGB: D-sub 15 pin x 1			
VGA(640 x 480) to SXGA(1280 x 1024)	VGA(640 x 480) to SXGA(1280 x 1024)	VGA(640 x 480) to SXGA(1280 x 1024)	VGA(640 x 480) to SXGA(1280 x 1024)	VGA(640 x 480) to 1080p(1980 x 1080)	VGA(640 x 480) to 1080p(1980 x 1080)	VGA(640 x 480) to 1080p(1980 x 1080)
2 Watt Speaker x 1	2 Watt Speaker x 1	N/A	1 watt speaker x 1	NA	NA	NA
Serial Connector : RS232 x 1, 8 pin MINI DIN	Serial Connector : RS232 x 1, 8 pin MINI DIN	USB x 1 Type mini B RS232 serial control: mini din 8 pin x 1	USB serial control: USB x 1, Type mini B	RS232 Serial Control: Mini DIN 8 pin x 1	RS232 Serial Control: Mini DIN 8 pin x 1	RS232 Serial Control: Mini DIN 8 pin x USB x 1 Type mini B
NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM
100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 V AC, 50 to 60 Hz	100 to 240 V AC, 50 to 60 Hz	100 to 240 V AC, 50 to 60 Hz	100 to 240 V AC, 50 to 60 Hz
Max 285W	Max 285W	Max 260W	Max 312W	Max 340W	Max 340W	Max 200
English/French/German/Italian/Spanish Russian/Traditional Chinese/Simplified	/ English/French/German/Italian/Spanish/ Russian/Traditional Chinese/Simplified	English/French/German/Italian/Spanish/ Russian/Traditional Chinese/Simplified	English/French/German/Italian/Spanish/ Russian/Traditional Chinese/Simplified	English/French/German/Italian/Spanish/ Russian/Traditional Chinese/Simplified	English/French/German/Italian/Spanish/ Russian/Traditional Chinese/Simplified	English/French/German/Italian/Spanish Russian/Traditional Chinese/Simplified
Chinese/Japanese/Korean/Swedish/ Dutch/Turkish/Czech/Portuguese/Thai/	Chinese/Japanese/Korean/Swedish/ Dutch/Turkish/Czech/Portuguese/Thai/	Chinese/Japanese/Korean/Swedish/ Dutch/Turkish/Czech/Portuguese/Thai/	Chinese/Japanese/Korean/Swedish/ Dutch/Turkish/Czech/Portuguese/Thai/	Chinese/Japanese/Korean/Swedish/ Dutch/Turkish/Czech/Portuguese/Thai/	Chinese/Japanese/Korean/Swedish/ Dutch/Turkish/Czech/Portuguese/Thai/	Chinese/Japanese/Korean/Swedish/ Dutch/Turkish/Czech/Portuguese/Thai/
Polish (17 languages)	Polish (17 languages)	Polish (17 languages)	Polish (17 languages)	Polish (17 languages)	Polish (17 languages)	Polish (17 languages)
PC Input: Dynamic Mode	PC Input: Dynamic Mode	PC Input: Dynamic Mode	PC Input:			
Presentation Mode Cinema Mode sRGB Mode	Presentation Mode Cinema Mode sRGB Mode	Presentation Mode Cinema Mode	Presentation mode Brightest mode			a
sRGB Mode User 1 Mode User 2 Mode	sRGB Mode User 1 Mode User 2 Mode	sRGB Mode User 1 Mode User 2 Mode	sRGB/Photo mode Gaming mode Video mode	Cinema Mode Dynamic Mode	Cinema Mode Dynamic Mode	Cinema Mode Dynamic Mode Standard Mode
A/V Input: Dynamic Mode	A/V Input:	A/V Input: Dynamic Mode	A/V Input: Movie mode	Standard Mode User1/User2/User3	Standard Mode User1/User2/User3	Photo Mode User1/User2/User3
Standard Mode Cinema Mode	Standard Mode Cinema Mode	Standard Mode Cinema Mode	Cinema mode Gaming mode			
User 1 Mode User 2 Mode	User 1 Mode User 2 Mode	User 1 Mode User 2 Mode	Photo mode			
Quick Auto Search	Quick Auto Search					
Time Controller Presentation Timer	Time Controller Presentation Timer					
Power On/Off Tone Panel Key Lock	Power On/Off Tone Panel Key Lock		RealTime Auto Keystone			
Resolution Reminder 11 sets of Application Mode "Q?" Hot Key for FAQ	Resolution Reminder 11 sets of Application Mode "Q?" Hot Key for FAQ	Golden Ratio Colour Wheel BrilliantColor™ Wall Colour Correction	Auto Phase Adjustment Freeze Blank	Full HD HQV Picture Quality Dynamic Black	Full HD HQV Picture Quality	HD Ready
Auto Adjustment Freeze	Auto Adjustment Freeze	3D Colour Management Quick Auto Search	Auto Off Quick Cooling	Professional AV input (HDMI) HDTV Compatible (YPbPr)	Dynamic Black Professional AV input (HDMI)	Dynamic IRIS HQV Picture Quality
Blank (ECO mode) Quick Cooling	Blank (ECO mode) Quick Cooling	Presentation Timer Panel Keylock	Security Password HDTV Compatible	Powered Lens Shift TI Darkchip 3 DMD	HDTV Compatible (YPbPr) Powered Lens Shift Micro Dust Filter	Dust Proof with Air-Filter H and V Lens Shift HDTV Compatible
Auto Off Security Password High Altitude Mode	Auto Off Security Password High Altitude Mode	2 User Application Modes Digital Zoom OSD FAO	Macintosh* Compatible "Mode" Hot key 9 Sets of Application Mode	Micro Dust Filter Dual HDMI Input ISF Cetrified Calibration Control	Dual HDMI Input ISF Cetrified Calibration Control	Professional Digital AV input(HDMI)
Mute HDTV Compatible	Mute HDTV Compatible	OSD FAQ 11 sets of Application Mode	9 Sets of Application Mode Off & Go High Altitude Mode	Panamorph Compatible	Panamorph Compatible	
Macintosh® Ĉompatible BrilliantColor™	Macintosh* Compatible BrilliantColor					
3D Colour Management Lamp Care	3D Colour Management Lamp Care					
	0.110.10.1		User's Manual			
Quick Start Guide Manual CD		Quick Start Guide Manual CD	Quick Start Guide Manual CD	User's Manual Remote Control	User's Manual Remote Control	User's Manual Remote Control Batteries for R/C
Batteries for R/C Soft Carry Case VGA Cable	Soft Carry Case Batteries for R/C	VGA Cable Power Cord Remote Control	Remote Control W/Battery Soft Carry Case VGA Cable	Batteries for R/C Power Cord	Batteries for R/C Power Cord	Power Cord Component Cable
VGA Cable Power Cord	VGA Cable Power Cord	Remote Control Batteries for R/C	VGA Cable USB Cable Power Cord	Component Cable Micro Dust Filter	Component Cable Micro Dust Filter	User Manual CD Qucik Start Card
Ceiling Mounting Kit Presentation Plus	Ceiling Mounting Kit Presentation Plus	Ceiling Mounting Kit Presentation Plus Spare Lamp Kit	Ceiling Mounting Kit Spare Lamp Kit	Ceiling Mounting Kit Spare Lamp Kit Dust Filter Kit	Ceiling Mounting Kit Spare Lamp Kit Dust Filter Kit	Ceiling Mounting Kit Spare Lamp Kit
Spare Lamp Kit	Spare Lamp Kit	Spare Lamp Kit Soft Carry Case	Presentation Plus	VGA-BNC x 3 Cable	VGA-BNC x 3 Cable	ĤDMI Cable

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Key Features Comparison

Data Series

	Model	MP511+	MP612/612c	CP220c	MP620c	MP622/622c	MP723/722	MP771	SP820	MP730	SP870	SP830/831
	Brightness(LM)	2100	2500/2200	2000	2000	2700/2200	3300/3000	3000	4000	2200	5000	3500/4000
Key Spec	Resolution	SVGA	SVGA	XGA	XGA	XGA	XGA	XGA	XGA	WXGA	XGA	WXGA
	Weight	2.6Kg	2.5 Kg	1.8Kg	2.67Kg	2.5 Kg	3.5 Kg	3.8 Kg	3.10 Kg	3.6 Kg	4.9 Kg	3.9 Kg
	2D Keystone	THE REAL										0
	Blank (Eco)	О	0	О		О	0	О		О	О	
	Digital Zoom	2X	2X			2X	2X	2X	2X	2X	2X	3X
	HQV			7				2.0				0
	Lamp Care	О	О	О		О	О	О		0	О	
	Off and Go	_		0								
	Panel key lock	О	О		О	О	О	О		0	О	0
Key Features	Quick Auto Search	О	О	100		О	0	О	71.5	О	О	
	Real Time Auto Keystone			О	-					w -		
	Short Throw							О				_
	Wall colour mode	О	О			О	О	О	1100	О	0	7.
	Page up / down		_	0			0	О	0	0	0	0
	DVI input				DVI-I		DVI-I(HDCP)	DVI-I(HDCP)	DVI-D	HDMI Component	DVI-D(HDCP)	DVI-I(HDCP)
	USB	1	-	1	1		1	1	1	1	1	1
	Spearker		2W	1W	2W	2W	2W	2W	3W	2W	2W*2	2W
	Carry bag	Optional	О	О	О	О	О	Optional		О		

Home Series

		W20000	W5000	W500
	Brightness(LM)	1200	1200	1100
	Contrast	20000	10000	5000
Key Specs	Resolution	1080p	1080p	720p
	Weight	9.5 kg	9.5 kg	3.9 kg
	Noise Level(db)	28/25	25/23	31/27
	Iris Control	Dynamic	Dynamic	Dynamic
	Lens Shift	Vertical	Vertical	Verti+Hori
	Motorized Lens Shift	О	О	
	HQV	О	О	0
Key Features	Dynamic Black	О	О	
	Panamorph Compatible	О	О	
	2D Keystone	О	О	О
	Dust Filter	О	О	0
	Digital Zoom in / out	0	О	0
	PIP	О	О	0
	RGB input	1	1	1
•	Video Input	1	1	1
	S-Video Input	1	1	1
	YPbPr Input	2	2	1
In/Out	HDMI input	2	2	1
	HDMI Version	1.2	1.2	1.2
	USB	N	N	1
	RS-232	1	1	1
	12V Output	1	1	1

Dealer's stamp