

plasma pan

Panasonic

ideas for life

Full-HD Plasma Monitors
50-inch TH-50BT300ER
42-inch TH-42BT300ER

2D/3D Broadcast and Post-production Reference Monitors
with faithful colour reproduction, expression and image quality
for demanding image production workflows.



2D/3D Broadcast and Post-production Monitors that Support a Wide Range of Applications, from Post-Production to Cinema CG

The TH-50BT300ER and TH-42BT300ER offer the faithful colours, excellent moving picture resolution and wide-angle viewing that come from the self illuminating plasma displays. The BT300 Series further enhance tonal expression by doubling* dark gradation over conventional models and include.

* Compared with the PF20 Series

High-Quality Moving Picture Display Performance — Optimal for Post-Production Applications

Faithful Colour Reproduction with the High-Performance Professional-Grade Engine

The professional-grade engine features 10-bit processing with YUV 4:4:4 for each channel. By faithfully reproducing all of the colour and luminance signals output by image sources, it produces smooth, vibrant colours across the entire screen.

Bi-level Drive Technology* Smoothly Displays Dark Areas

Improving the luminous efficiency of the panel has achieved steady illumination even with a small electrical discharge. By reducing the minimum unit of brightness per flash by 1/2 compared to previous panels, this makes it possible to display finer gradation steps. Smoother tonal expression is gained in dark areas thanks to a total of 12,288 steps, twice the number of our conventional models (compared with the PF20 Series).

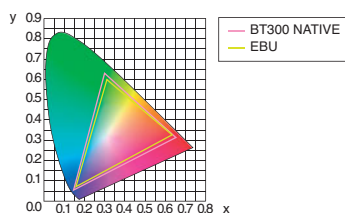
■ Conventional ■ BT300 Series



*Valid for Cinema mode and Monitor mode.

The Wide Colour Gamut Panel Reproduces Colours That Professional Applications Demand

The BT300 Series offers superb images with stunning colours for displaying materials in all their natural beauty. Six modes are provided, including the colour gamut modes for broadcasting and post-production use including (SMPTC-C/EBU/BT.709) and Digital Cinema Colour and Native. Custom mode allows you to set the hue for each RGB colour while viewing a simplified chroma diagram.

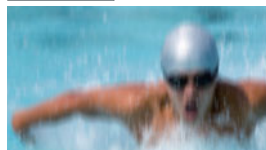


Superb Moving Picture Resolution

The BT300 Series provides a motion-image performance that is 1.5 times*1 that of conventional models. The Full-HD moving picture resolution speed index is 1,200 pps*2 (1,080 lines of moving picture resolution*3). This treats viewers to steady, blur-free, fast-moving images such as in sports scenes and action films.

1 FULL HD LCD with double-speed drive

600 lines



2 Conventional (PF20 Series)

1,080 lines 800 pps



3 BT300 Series

1,080 lines 1,200 pps



*1: Comparing previous models (the PF20 Series) in the same-size.

*2: This is a new motion-image performance index that was announced by the Advanced PDP Display Development Centre Corporation (APDC) on January 27, 2011, as an advanced version of the conventional moving-picture resolution index. It expresses the ability to display motion images in Full-HD resolution based on the speed at which an image moves (the number of pixels that move per second).

*3: According to the method for measuring moving-picture resolution to indicate motion-image display performance that was developed by the Advanced PDP Development Centre Corporation (APDC). With Moving Picture Resolution turned ON.

Versatile Display Functions

Various Marker Functions

A variety of markers can be used when editing images. The BT300 Series has markers that can be used for both 16:9 and 4:3 modes. And multiple markers can be displayed simultaneously.

Aspect Marker

Confirm the angle of view with the 4:3, 13:9, 14:9, VISTA marker, and CNSCO marker.



Safe Area Marker (16:9/4:3)

Select the user area marker from 80% to 100% in 1% increments. During 16:9 mode, you can also layer and display the 4:3 area marker.



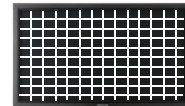
Centre Marker (16:9/4:3)

The centre marker can be displayed together with another marker. It can also be displayed together with the area marker.



Crosshatch Grid

Display a grid within the screen for easy horizontal and vertical alignment.



* Vertical lines are displayed as perceived on 3% of the screen width.

Gamma Settings

When used as a broadcast monitor, the standardised gamma characteristics can be reproduced. Select from $\gamma 1.0$, * $\gamma 2.2$, $\gamma 2.35$, $\gamma 2.4$, and $\gamma 2.6$.

* When 2K1K signals are received with the Dual Link HD-SDI Terminal Board or Dual HD-SDI Terminal Board for 3D, Gamma 1.0 cannot be selected.

Colour Temperature Settings

Select from 9300K, D65, approx 6,100K, approx 5,600K, approx 3,200K (compatible with tungsten lighting for on-camera use), 11300K.

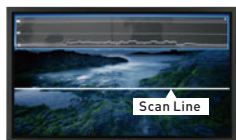


Meet Professional Needs

Wave Form Monitor

This function displays the waveform for the brightness and colour levels of input signals from other video devices, for easy monitoring.

■ Single Line Scan Mode



Displays the waveform for a signal that is input at any desired line (shown by the white line).

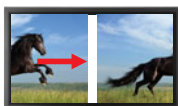
■ Full Scan Mode



Displays the input signal waveforms for the entire screen.

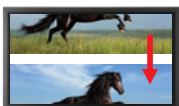
HV Delay Display

This function delays the synchronisation signals for horizontal and vertical positioning to display the image blanking intervals.



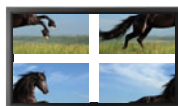
H Delay

Displays the horizontal blanking interval.



V Delay

Displays the vertical blanking interval.



HV Delay

Displays both the horizontal and vertical blanking intervals.

* During component/RGB/PC [video format], SDI input signal.

Other Features

Blue-Only Mode

R/G/B Cut-off

Monochrome

LAN Control

SLOT2.0 Compatibility Enhances Expandability



The SLOT2.0 function slot greatly expands the display's range of applications. It also enables the addition of an optional HD-SDI or Dual Link HD-SDI function board.



Special Functions for Professional 3D Video Production

Clear 3D Images with Virtually No Double Images

Pursuit of even faster panel response in the BT300 Series plasma displays led to phosphor improvements and original lighting controls that deliver clear 3D images with virtually no double images (crosstalk).



Blurred 3D image



(Panel with ultra-high speed drive)
Crisp 3D image

Four 3D Image Inputs Supported

The BT300 Series is compatible with Frame Packing, Simultaneous, Side-by-Side and Top-and-Bottom methods.

■ 3D Input Format

Frame Packing



Side by Side



Top and Bottom



Simultaneous



New Function Boards Support Simultaneous 3D Image Input



3D-Compatible Dual HD-SDI Terminal Board:
TY-FB30DHD3D

Provides easy interface to professional video 3D sources.

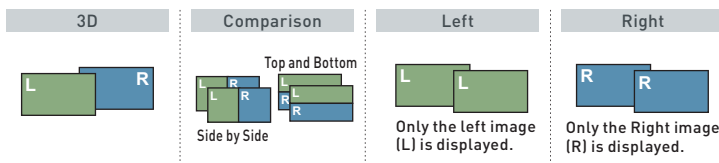
3D-Compatible Dual DVI-D Terminal Board:
TY-FB30DD3D

Allows for direct connection to workstations running 3D applications.

3D Image Production Supported by the 3D Viewing Mode

The 3D images are separated and displayed as right and left images.

■ 3D Viewing Mode



Specification

Model		TH-50BT300ER	TH-42BT300ER
Display	Screen Size	50-inch (1,268 mm)	42-inch (1,057 mm)
	Aspect Ratio	16:9	16:9
	Effective Display Area (W x H)	1,105 x 622 mm	921 x 518 mm
	Resolution (H x V)	1,920 x 1,080 pixels	1,920 x 1,080 pixels
	Pixel Pitch (H x V)	0.576 x 0.576 mm	0.480 x 0.480 mm
	Contrast Ratio*1	5,000,000:1	5,000,000:1
	Gradation	12,288 steps (equivalent)	12,288 steps (equivalent)
	Full HD Moving Picture Resolution Speed	1,200 pixel per second	1,200 pixel per second
	Moving Picture Resolution	1,080 lines	1,080 lines
	Panel Life*2	Approx. 100,000 hours	Approx. 100,000 hours
Connection Terminal	FULL HD 3D*3	FULL HD 3D Ready	FULL HD 3D Ready
	VIDEO IN/AUDIO IN (L/R)	BNC x 1/RCA pin Jack x 1 set	BNC x 1/RCA pin Jack x 1 set
	COMPONENT/RGB IN/AUDIO IN (L/R)	BNC x 3/RCA pin Jack x 1 set	BNC x 3/RCA pin Jack x 1 set
	HDMI IN	HDMI TYPE A x 1	HDMI TYPE A x 1
	DVI-D IN/AUDIO IN (L/R)	DVI-D 24-pin x 1/M3 Jack x 1 [Common terminal with PC IN]	DVI-D 24-pin x 1/M3 Jack x 1 [Common terminal with PC IN]
Control Terminal	PC IN/AUDIO IN (L/R)	D-Sub 15-pin x 1/M3 Jack x 1 [Common terminal with DVI-D IN]	D-Sub 15-pin x 1/M3 Jack x 1 [Common terminal with DVI-D IN]
	LAN	RJ45 10BASE-T/100BASE-TX, Compatible with PLink™	RJ45 10BASE-T/100BASE-TX, Compatible with PLink™
	Serial	D-Sub 9-pin x 1 [EXTERNAL CONTROL TERMINAL], RS-232C Compatible	D-Sub 9-pin x 1 [EXTERNAL CONTROL TERMINAL], RS-232C Compatible
	3D Shutter Out	M3 Jack x 1 [For 3D IR Transmitter]	M3 Jack x 1 [For 3D IR Transmitter]
	DC 8V Out for 3D IR Transmitter	Centre Plus for EIAJ 4 mm Plug	Centre Plus for EIAJ 4 mm Plug
Function Slot	SLOT2.0	Yes	Yes
	Power Requirements	220-240 V AC, 50/60 Hz	220-240 V AC, 50/60 Hz
Electrical	Power Consumption	390 W	305 W
	On Mode Average Power Consumption*4	Approx. 200 W	Approx. 165 W
	Power off Condition	0.3 W	0.3 W
	Stand-by Condition	Save ON 0.5 W, Save OFF 0.8 W	Save ON 0.5 W, Save OFF 0.8 W
Sound	Speaker Out	6 Ω, 16 W [8 W + 8 W] [10 % THD]	6 Ω, 16 W [8 W + 8 W] [10 % THD]
	Dimensions (W x H x D)	1,210 x 724 x 89 mm	1,020 x 610 x 89 mm
Mechanical	Weight (Approx.)	34 kg	26 kg
	Cabinet Colour	Black	Black
	Temperature	0 to 40 °C	0 to 40 °C
Operating Environment	Humidity (Non Condensation)	20 % to 80 %	20 % to 80 %
	Altitude	0 to 2,800 m	0 to 2,800 m

*1: The dark-room contrast ratio of the panel unit that can be displayed simultaneously on the same screen. Measured in "Dynamic" picture mode using a white signal in a 4% window.

*2: Guideline operating hours before the panel brightness is reduced to half when the panel is used to display motion pictures in the Standard mode. Afterimages (burned-in images) and malfunctions are not taken into consideration. *3: An optional 3D IR Transmitter and 3D Eyewear are required for viewing 3D images. *4: Based on IEC 62087 Ed.2 measurement method.

Options

3D-compatible Dual HD-SDI Terminal Board

TY-FB30DHD3D



Dual Link HD-SDI Terminal Board

TY-FB11DHD



Pedestal

TY-ST20-K



Mobile Stand

TY-TS58PF20



3D-compatible Dual DVI-D Terminal Board

TY-FB30DD3D



DVI-D Terminal Board

TY-FB11DD



Wall-hanging Bracket (Vertical)

TY-WK42PV20



Detachable Stereo Speakers

TY-SP50P8W-K
(for 50-inch)



TY-SP42P8W-K
(for 42-inch)

HD-SDI Terminal Board

TY-FB9HD



Dual HDMI Terminal Board

TY-FB10HMD



Wall-hanging Bracket (Angled)

TY-WK42PR20



AV Terminal Board

TY-TB10AV



HD-SDI Terminal Board with Audio

TY-FB10HD



BNC Dual Video Terminal Board

TY-FB9BD



Ceiling-hanging Bracket

TY-CE42PS20



3D IR Transmitter

TY-3D30TRW



• Various terminal boards and 3D Eyewear are also available.



42-inch 1080p Full HD Plasma Monitor TH-42BT300ER

Product specification (design and specification subject to change without notice)

■ DISPLAY

Screen Size (Diagonal)	42-inch (1,057 mm)
Aspect ratio	16:9
Effective Display Area (W x H)	921 x 518 mm
Number of pixels (H x V)	1,920 x 1,080 pixels (1 pixel=3cells for R, G and B)
Pixel Pitch (H x V)	0.480 x 0.480 mm
Contrast Ratio	5,000,000:1
Gradation	12,288 steps (equivalent)
Panel Life ^{*1}	approx. 100,000 hours
Full HD 3D	Full HD 3D Ready ^{*2}

*1: Guideline operating hours before the panel brightness is reduced to half when the panel is used to display motion pictures in the Standard mode. Afterimages (burned-in images) and malfunctions are not taken into consideration.

*2: An optional 3D IR Transmitter and 3D Eyewear are required for viewing 3D images.

■ CONNECTION TERMINAL

VIDEO IN	BNC x 1	1.0 Vp-p (75 Ω)
AUDIO IN (L/R)	RCA pin jack x 1 set	0.5 Vrms
COMPONENT/RGB IN	BNC x 3	Y/G : with sync 1.0 Vp-p (75 Ω) P _B /C _B /B : 0.7 Vp-p (75 Ω) P _R /C _R /R : 0.7 Vp-p (75 Ω)
AUDIO IN (L/R)	RCA pin jack x 1 set	0.5 Vrms
HDMI IN	HDMI TYPE A x 1	
DVI-D IN	DVI-D 24Pin x 1	Compliance with DVI Revision 1.0 Compatible with HDCP 1.1
AUDIO IN (L/R)	Content Protection Stereo mini jack (M3) x 1	0.5 Vrms (Common terminal with PC IN)
PC IN	Mini D-sub 15 Pin	Y or G with sync 1.0 Vp-p (75 Ω) Y or G without sync 0.7 Vp-p (75 Ω) P _B /C _B /B : 0.7 Vp-p (75 Ω) P _R /C _R /R : 0.7 Vp-p (75 Ω) HD/VD : 1.0 - 5.0 Vp-p (high impedance)
AUDIO IN (L/R)	Stereo mini jack (M3) x 1	0.5 Vrms (Common terminal with DVI-D IN)
Function Slot: SLOT 2.0	Yes	

■ CONTROL TERMINAL

LAN	RJ45 10 BASE-T/100 BASE-TX, Compatible with PJ Link
SERIAL	D-sub 9-Pin x 1 (EXTERNAL CONTROL TERMINAL), RS-232C compatible
3D shutter out	M3 jack x 1 (for 3D IR Transmitter)
DC 8V out for 3D IR Transmitter	Center Plus for EIAJ 4 mm plug

■ ELECTRICAL

Power Requirements	220-240 V AC, 50 Hz/60 Hz
Power Consumption	305 W
On Mode Average Power Consumption ^{*3}	approx. 165W
Power off condition	0.3 W
Stand-by condition	Save ON 0.5 W, Save OFF 0.8 W

*3: Based on IEC 62087 Ed.2 measurement method.

■ SOUND

Audio Output	6Ω 16 W [8 W + 8 W] (10 % THD)
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■ MECHANICAL

Dimensions (W x H x D)	1,020 × 610 × 89 mm
Carton Dimensions (W x H x D)	1,138 × 721 × 284 mm
Weight	approx. 26.0 kg
Gross weight	approx. 31.0 kg
Cabinet Color	Black

■ ENVIRONMENTAL

Operating environment	Temperature : 0 °C to 40 °C
	Humidity : 20 % to 80 % (Non condensation)
	Altitude : 0 to 2,800 m
Storage environment	Temperature : -20 °C to 60 °C
	Humidity : 20 % to 90 % (Non condensation)
	Altitude : 0 to 3,300 m

■ REMOTE CONTROL TRANSMITTER

Power Requirements	DC 3 V (2 x R6 (UM3) Size batteries)
Operation distance	approx. 7 m in front of plasma display
Weight	approx. 160 g including batteries

■ INCLUDED ACCESSORIES

- AC power cord - Operating instruction book - Clamper x 1 - Ferrite core x 2 - Remote control transmitter - Batteries

MAIN FEATURE

Digital Zoom	Yes
ID Select	Yes
Power-On Delay	Yes
HV Delay	H DELAY/V DELAY/HV DELAY/OFF
Over Scan	Yes
Under Scan	Yes
Gamma	1.0/2.2/2.35/2.4/2.6
Studio Gain	Yes
Color Temperature	NORMAL-WARM-WARM2-WARM3-COOL-STUDIO
Color space adjustment (Color Gamut)	DIGITAL CINEMA COLOR/CUSTOM/NATIVE/BT.709/EBU/SMPTE-C
External Scaler	Yes
Picture profile (Memory save)	Yes
Waveform Monitor	ON (Full scan, Single line scan)/OFF
Marker Settings	Aspect marker/Safe area marker/Center marker/Crossharch marker
RGB/MONO settings	BLUE ONLY/RGB/MONO
Screen Saver	Negative image, Scrolling bar only, White screen, Overlay scrolling bar
NANO DRIFT Saver	Yes (LOW/MID/HIGH)
3D Input Format	AUTO/SIDE BY SIDE/TOP AND BOTTOM/NATIVE/SIMULTANEOUS
3D Viewing Mode	3D/COMPARISON(SIDE BY SIDE/TOP AND BOTTOM)/LEFT/RIGHT
Function botton (Remote controller)	1 ~ 8
Network funaction	Yes
Test Patterns	Color bars/Red/Green/Black/1% window/Frame/Blue

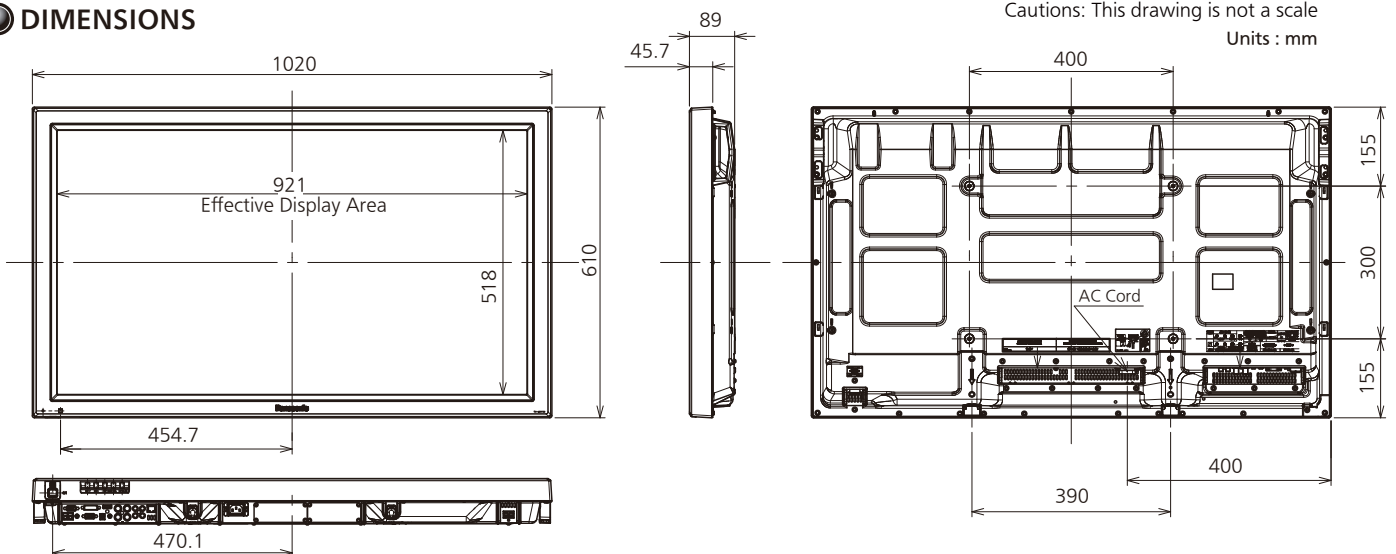
OPTIONAL ACCESSORIES

Pedestal	TY-ST20-K
Wall-hanging bracket	TY-WK42PV20
Wall-hanging bracket (angled)	TY-WK42PR20
Ceiling-hanging bracket	TY-CE42PS20
Mobile stand	TY-ST58PF20
Speakers	TY-SP42P8W-K
3D IR Transmitter	TY-3D30TRW
3D Eyewear	TY-EW3D3LE TY-EW3D3ME TY-EW3D3SE
Dual HD-SDI Terminal Board with 3D signal	TY-FB30DHD3D
Dual DVI Terminal Board with 3D signal	TY-FB30DD3D
BNC Dual Video Terminal Board	TY-FB9BD
DVI-D Terminal Board	TY-FB11DD
Dual HDMI Terminal Board	TY-FB10HMD
HD-SDI Terminal Board	TY-FB9HD
HD-SDI with Audio Terminal Board	TY-FB10HD
Dual link HD-SDI Terminal Board	TY-FB11DHD
AV Terminal Box	TY-TB10AV

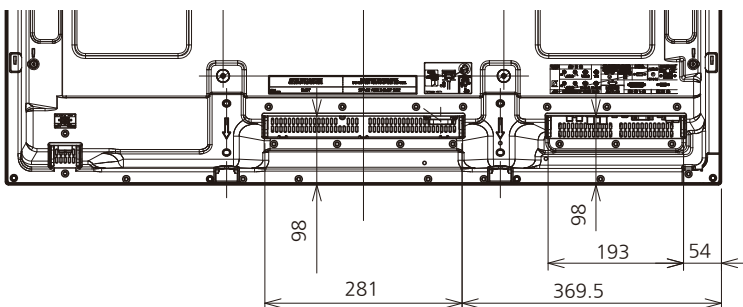
STANDARD (CERTIFICATIONS)

SAFETY REGULATIONS	EN60065, IEC60065, GOST
RADIATION REGULATIONS	EN55022 Class-B, EN55024, EN61000-3-2, EN61000-3-3

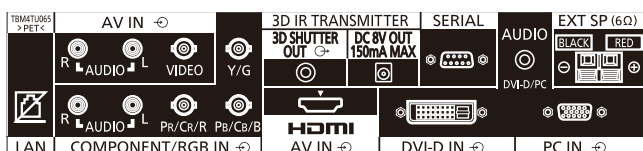
DIMENSIONS



TERMINAL DIMENSION



CONNECTION TERMINAL



● Applicable Input Signals

* Mark: Applicable input signal

	Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	VIDEO IN	COMPONENT / RGB IN / PC IN (Dot clock (MHz))	DVI-D IN (Dot clock (MHz))	HDMI
Video Signals	NTSC	15.73	59.94	*			
	PAL	15.63	50.04	*			
	PAL60	15.73	59.94	*			
	SECAM	15.63	50.04	*			
	Modified NTSC	15.73	59.94	*			
Component Signals	525 (480) / 60i	15.73	59.94		* (13.5)	* (27.0)	*
	525 (480) / 60p	31.47	59.94		* (27.0) *5	* (27.0)	*
	625 (575) / 50i	15.63	50.00		* (13.5)		
	625 (576) / 50i	15.63	50.00			* (27.0)	*
	625 (575) / 50p	31.25	50.00		* (27.0)		
	625 (576) / 50p	31.25	50.00			* (27.0)	*
	750 (720) / 60p	45.00	60.00		* (74.25)	* (74.25)	*
	750 (720) / 50p	37.50	50.00		* (74.25)	* (74.25)	*
	1,125 (1,080) / 60p	67.50	60.00		* (148.5) *1	* (148.5)	*
	1,125 (1,080) / 60i	33.75	60.00		* (74.25) *1	* (74.25)	*
	1,125 (1,080) / 50p	56.26	50.00		* (148.5) *1	* (148.5)	*
	1,125 (1,080) / 50i	28.13	50.00		* (74.25) *1	* (74.25)	*
	1,125 (1,080) / 24sF	27.00	48.00		* (74.25) *2		
	1,125 (1,080) / 30p	33.75	30.00		* (74.25) *1	* (74.25)	
	1,125 (1,080) / 25p	28.13	25.00		* (74.25) *1	* (74.25)	
	1,125 (1,080) / 24p	27.00	24.00		* (74.25) *1	* (74.25)	*
	1,250 (1,080) / 50i	31.25	50.00		* (74.25) *3		
2,048 × 1,080 / 24sF *7	27.00	48.00					
2,048 × 1,080 / 24p *7	27.00	24.00					
PC Signals	640 × 400 @70 Hz	31.46	70.07		* (25.17)		
	640 × 480 @60 Hz	31.47	59.94		* (25.18) *6	* (25.18)	*
	640 × 480 @72 Hz	37.86	72.81		* (31.5)		
	640 × 480 @75 Hz	37.50	75.00		* (31.5)		
	640 × 480 @85 Hz	43.27	85.01		* (36.0)		
	800 × 600 @56 Hz	35.16	56.25		* (36.0)		
	800 × 600 @60 Hz	37.88	60.32		* (40.0)	* (40.0)	*
	800 × 600 @72 Hz	48.08	72.19		* (50.0)		
	800 × 600 @75 Hz	46.88	75.00		* (49.5)		
	800 × 600 @85 Hz	53.67	85.06		* (56.25)		
	852 × 480 @60 Hz	31.47	59.94		* (33.54) *6	* (34.24)	*
	1,024 × 768 @50 Hz	39.55	50.00			* (51.89)	*
	1,024 × 768 @60 Hz	48.36	60.00		* (65.0)	* (65.0)	*
	1,024 × 768 @70 Hz	56.48	70.07		* (75.0)		
	1,024 × 768 @75 Hz	60.02	75.03		* (78.75)		
	1,024 × 768 @85 Hz	68.68	85.00		* (94.5)		
	1,066 × 600 @60 Hz	37.64	59.94		* (53.0)	* (53.0)	*
	1,152 × 864 @60 Hz	53.70	60.00			* (81.62)	*
	1,152 × 864 @75 Hz	67.50	75.00		* (108.0)		
	1,280 × 768 @60 Hz	47.70	60.00		* (80.14)		
	1,280 × 960 @60 Hz	60.00	60.00		* (108.0)		
	1,280 × 960 @85 Hz	85.94	85.00		* (148.5)		
	1,280 × 1,024 @60 Hz	63.98	60.02		* (108.0)	* (108.0)	*
	1,280 × 1,024 @75 Hz	79.98	75.03		* (135.0)		
	1,280 × 1,024 @85 Hz	91.15	85.02		* (157.5)		
	1,366 × 768 @50 Hz	39.55	50.00			* (69.92)	*
	1,366 × 768 @60 Hz	48.36	60.00		* (86.71)	* (87.44)	*
	1,400 × 1,050 @60 Hz	65.22	60.00			* (122.61)	*
	1,600 × 1,200 @60 Hz	75.00	60.00		* (162.0)	* (162.0)	*
	1,600 × 1,200 @65 Hz	81.25	65.00		* (175.5)		
1,920 × 1,080 @60 Hz	67.50	60.00		* (148.5) *4	* (148.5)	*	
1,920 × 1,200 @60 Hz	74.04	59.95			* (154.0)	*	
Macintosh13" (640 × 480)	35.00	66.67		* (30.24)			
Macintosh16" (832 × 624)	49.72	74.54		* (57.28)			
Macintosh21" (1,152 × 870)	68.68	75.06		* (100.0)			

* 1: Based on SMPTE 274M standard.

* 2: Based on SMPTE RP211 standard.

* 3: Based on SMPTE 295M standard.

* 4: The input signal is recognized as 1,125 (1,080) / 60p.

* 5: When selected the RGB format and 525p signal input to the PC IN terminal, it is recognized as VGA 60Hz signal.

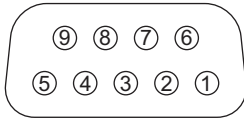
* 6: When inputted VGA 60Hz format signal from the other than PC IN terminal, it is recognized as 525p signal.

* 7: Based on SMPTE 292M and 372M standards. These signals can be received when the Dual Link HD-SDI Terminal Board (TY-FB11DHD) or Dual HD-SDI Terminal Board for 3D (TY-FB30DHD3D) is installed.

Note: Signals without above specification may not be displayed properly.

Pin assignments and signal names

■ Serial Terminals Connection : D-sub 9-Pin



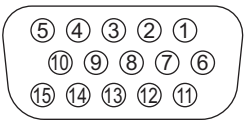
Pin No.	Details
②	R X D
③	T X D
⑤	GND
④ • ⑥	Non use
⑦ ⑧	(Shorted in this set)
① • ⑨	NC

These signal names are those of computer specifications.

Communication parameters

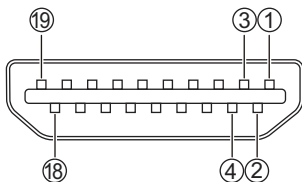
Signal level	RS-232C compliant
Synchronization method	Asynchronous
Baud rate	9600 bps
Parity	None
Character length	8 bits
Stop bit	1 bit
Flow control	-

■ PC Input Terminals Connection : Mini D-sub 15-Pin



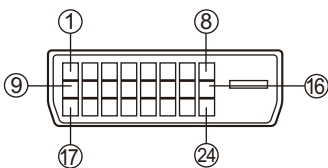
Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
①	R (P _R /C _R)	⑥	GND (Ground)	⑪	NC (not connected)
②	G (Y)	⑦	GND (Ground)	⑫	SDA
③	B (P _B /C _B)	⑧	GND (Ground)	⑬	HD/SYNC
④	NC (not connected)	⑨	+5 V DC	⑭	VD
⑤	GND (Ground)	⑩	GND (Ground)	⑮	SCL

■ HDMI connection



Pin No.	Signal Name	Pin No.	Signal Name
①	T.M.D.S Data2+	⑪	T.M.D.S Clock Shield
②	T.M.D.S Data2 Shield	⑫	T.M.D.S Clock-
③	T.M.D.S Data2-	⑬	CEC
④	T.M.D.S Data1+	⑭	Reserved (N.C. on device)
⑤	T.M.D.S Data1 Shield	⑮	SCL
⑥	T.M.D.S Data1-	⑯	SDA
⑦	T.M.D.S Data0+	⑰	DDC/CEC Ground
⑧	T.M.D.S Data0 Shield	⑱	+5V Power
⑨	T.M.D.S Data0-	⑱	Hot Plug Detect
⑩	T.M.D.S Clock+		

■ DVI-D IN connection



Pin No.	Signal Name	Pin No.	Signal Name
①	T.M.D.S. data 2-	⑬	_____
②	T.M.D.S. data 2+	⑭	+5 V DC
③	T.M.D.S. data 2 shield	⑮	Ground
④	_____	⑯	Hot plug detect
⑤	_____	⑰	T.M.D.S. data 0-
⑥	DDC clock	⑱	T.M.D.S. data 0+
⑦	DDC data	⑲	T.M.D.S. data 0 shield
⑧	_____	⑳	_____
⑨	T.M.D.S. data 1-	㉑	_____
⑩	T.M.D.S. data 1+	㉒	T.M.D.S. clock shield
⑪	T.M.D.S. data 1 shield	㉓	T.M.D.S. clock+
⑫	_____	㉔	T.M.D.S. clock-

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