Panasonic
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LCD Monitors Lineup Catalogue

BT-LH2600W

BT-LH1700W

BT-LH900A

BT-LH2600W

26" Wide HD/SD LCD Video Monitor

WXGA 1366x768 | HD/SD Multi-format | SDI (Automatic HD/SD switching) | Embedded Audio | Y/Pb/Pr Input | R G B (PC input compatible) | Waveform monitoring | Varicam Cine Gamma Compensation | Split Screen | Built-in speakers | Audio Level Meter | Pixel to Pixel | True 16:9

BT-LH1700W

17" Wide HD/SD LCD Video Monitor

WXGA 1280x768 | HD/SD Multi-format | SDI (Automatic HD/SD switching) | Embedded Audio (Option) *1 | Y/Pb/Pr Input | R G B (PC input compatible) | Waveform monitoring | Varicam Cine Gamma Compensation | Split Screen | Built-in speakers | AC/DC power supply compatibility | Optional Rack Mount

*1:Embedded Audio Unit (BT-YAE1700G) is required.

Widescreen HD/SD LCD Monitor with High Speed Response, Super Fast Image Processing and Built-In SDI / HD SDI Compatibility

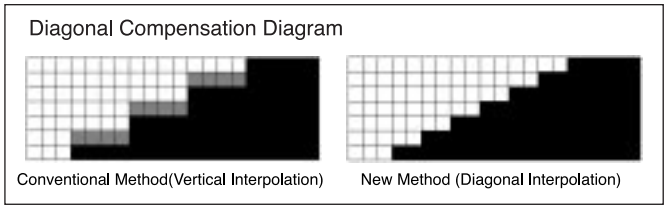
New IP Converter Circuit for Unmatched Motion Response

A circuit delay time (excluding the panel) of approximately 5 msec*2 is realized by incorporating a new I/P converter circuit that converts SD and HD interlace signals with high precision and generates a progressive signal without causing field-length delay. Minimizing the delay between the input signal and monitor output enables the user to confirm footage without any incongruity.

*2 Differs slightly depending on the signal format.

Diagonal Line Compensation Processing Circuit

Reduces the occurrence of jagged noise in the diagonal direction, not just vertically in the field, by detecting correlations and making optimal interpolations. This results in the smooth reproduction of footage.



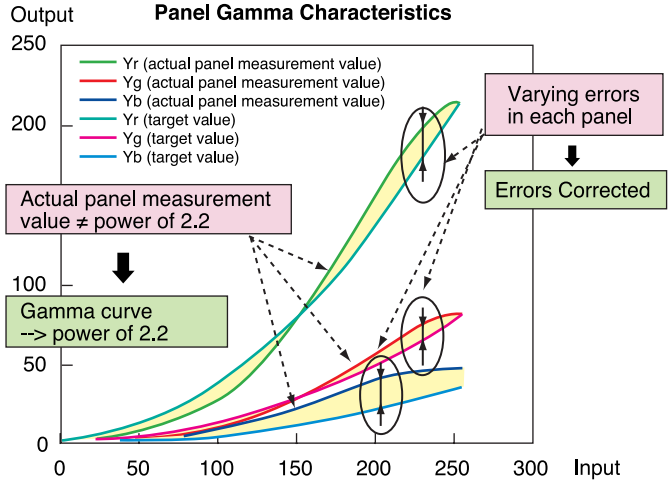
High-Speed Response

The biggest concern when receiving a video feed is response time in the intermediate gradations. Installing an overdrive circuit improved the response in intermediate gradations to around 8 ms*3 (gray-to-gray), which is around half that of existing Panasonic models, enabling the vivid display of video without blurring.

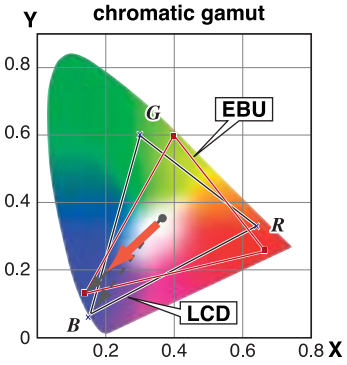
*3 BT-LH2600W only, BT-LH1700W : around 10 ms.

Broadcast Quality Gradation, Compensation for Each Monitor

In order to make the LCD monitor suitable for professional broadcasting applications, compensation is conducted for each monitor in 256 discrete RGB steps, rated gamma properties (g=2.2) are reproduced, and gradation suitable for broadcasting is achieved. Color temperature of 9300K/6500K/5600K; 3000-9300K can be selected with the variable setting.



Color Gamut

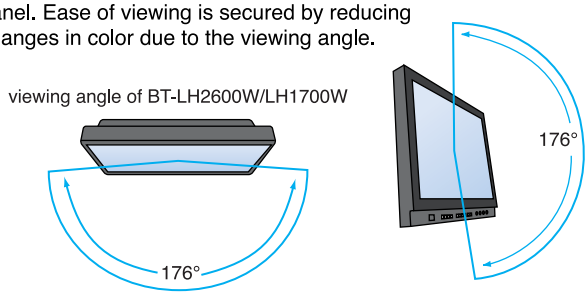


Colors on CRT monitors appear different from those on LCD monitors due to slight differences in the monitors' chromatic ranges. BT-LH2600W/BT-LH1700W uses a technology called color space conversion to produce the same EBU*4-based colors as a CRT.

*4 SMPTE-C in North America.

Wide 176° Horizontal and Vertical Viewing Angle

A 176° horizontal and vertical viewing angle has been realized by using a high intensity, high contrast LCD panel. Ease of viewing is secured by reducing changes in color due to the viewing angle.



2 SDI Inputs, PC Input Compatible

Compatible with multiple HD and SD formats. Two SDI input with automatic switching between HD and SD comes standard. Also equipped with one SDI output, a Component input (Y/Pb/Pr ,RGB switching), Y/C and Composite.RGB is compatible with PC input.

rear panel (BT-LH2600W)

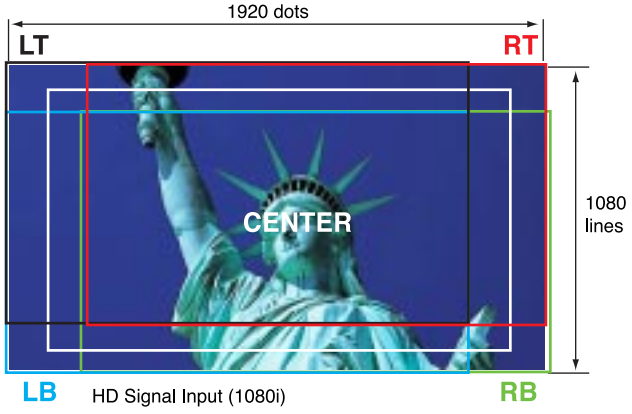
rear panel (BT-LH1700W)

Pixel-to-Pixel

Equipped only with the BT-LH2600W

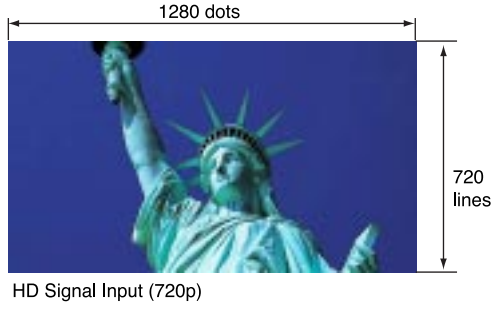
The BT-LH2600W is equipped with a pixel-to-pixel function. This function allows you to display and confirm video pixels inputted in HD-SDI without any resizing. When using 1080i, choose from LT/RT/LB/RB/CENTER for the display area. In 720p, it is displayed in the actual size.

1080i

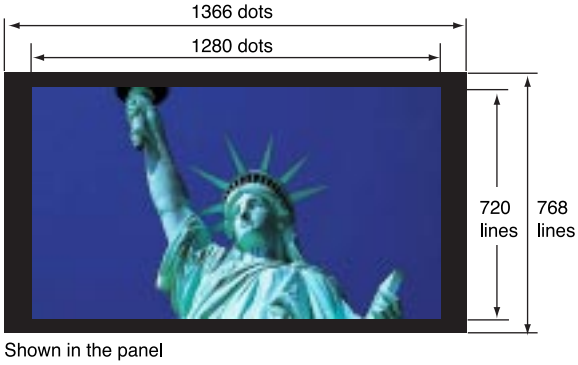


Shown in the panel

720p



HD Signal Input (720p)

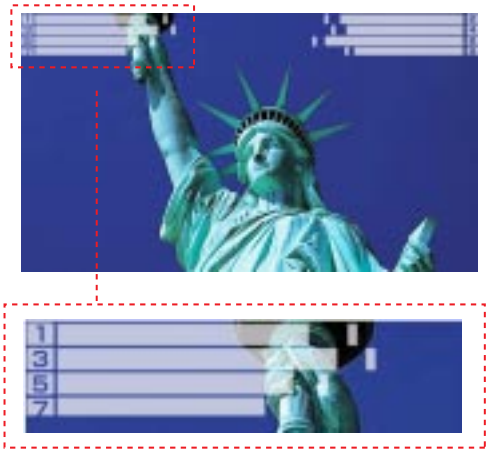


Shown in the panel

Audio Level Meter

Equipped only with the BT-LH2600W

The BT-LH2600W comes with an audio embedded function. In addition, the SDI-input audio level can be displayed on the screen with a white skeleton bar meter. Choose from 2ch/4ch/8ch/off for the display.



Coordination of Multiple Cameras on Split Screens

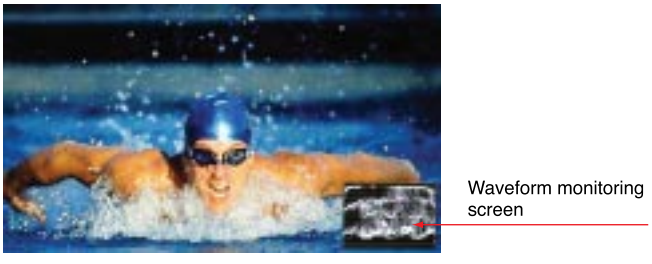
A frame of video can easily be frozen and displayed as a still image on the left side of the screen. This function can be utilized to match a live camera with a frame of video shot at an earlier time or with a different camera. There are two display modes: FULL for displaying and comparing the entire image on the screen and PART for displaying and comparing only the center part of the images.

FULL – Full Screen Display

PART – Center Screen Display

Waveform Monitoring

The input signal is displayed as a waveform for monitoring. Display of the waveform can be positioned in any of the four corners of the screen.



rear view (BT-LH2600W)

rear view (BT-LH1700W)

When using DC power

Various Markers

Various markers can be displayed In 16:9 mode and 4:3 mode.

Display in 16:9 Mode	Aspect Marker: 4:3,13:9,14:9,CNSCO,VISTA Safe Area Marker: 95%,93%,90%,88%,80% (In 16:9 Mode) 95%,93%,90%,88%,80% (In 4:3 Mode)*1 Center Marker: ON/OFF Background Brightness: BLACK(0%),HALF(50%)NORMAL(100%)
Display in 4:3 Mode	Safe Area Marker: 95%,93%,90%,88%,80% Center Marker: ON/OFF

*1:Equipped only with the BT-LH2600W

In 16:9 Mode

Display of Safe Area Marker

Display of 4:3 Aspect Marker

Display of 4:3 Aspect and Safe Area Marker at 80%

*1:Equipped only with the BT-LH2600W

In 4:3 Mode

Display of Safe Area Marker, Center Marker in 4:3 Mode

Equipped with Functions for Broadcasting and Professional Use

- Equipped with cine-gamma (F-REC) compensation function for compatibility as a monitor for VariCam HD Camcorder.
- RS-232C external control possible. External remote control with GPI terminals also possible.
- Tally lamp (red, green) ●Built-in stereo speakers ●Blue only mode
- H/V delay ●Mono mode ● Fan On/Off Menu Selectable
- The BT-LH1700W is compatible with a rack mount (BT-MA1710G, sold separately) .
- The BT-LH1700W is compatible with AC/DC power supplies.

Option for BT-LH1700W

BT-YAE1700G
Embedded Audio Unit

BT-MA1710G
Rack Mount Adaptor

Format Suported by BT-LH2600W/LH1700W

◎:Standard.
*: indicates display with 1080/59.94i or 1080/60i, instead of 1035/59.94i or 1035/60i.

Format	Video	Y/C	SDI 1	SDI 2	COMPONENT	
					Y/Pb/Pr	RGB
NTSC	◎	◎				
PAL	◎	◎				
480/59.94i			◎	◎	◎	◎
480/59.94P					◎	◎
576/50i			◎	◎	◎	◎
576/50P					◎	◎
720/50P			◎	◎	◎	
720/59.94P			◎	◎	◎	◎
720/60P			◎	◎	◎	◎
※ 1035/59.94i			◎	◎	◎	◎
※ 1035/60i			◎	◎	◎	◎
1080/23.98Psf			◎	◎	◎	
1080/24Psf			◎	◎	◎	
1080/23.98P			◎	◎	◎	
1080/24P			◎	◎	◎	
1080/25P			◎	◎	◎	
1080/29.97P			◎	◎	◎	
1080/30P			◎	◎	◎	
1080/50i			◎	◎	◎	◎
1080/50P					◎	
1080/59.94i			◎	◎	◎	◎
1080/59.94P					◎	
1080/60i			◎	◎	◎	◎
1080/60P					◎	

RGB (=PC)

640×400(70Hz)	◎	1024×768(60Hz)	◎
640×480(60Hz)	◎	1024×768(70Hz)	◎
640×480(75Hz)	◎	1024×768(75Hz)	◎
640×480(85Hz)	◎	1024×768(85Hz)	◎
800×600(60Hz)	◎	1280×768(60Hz)	◎
800×600(75Hz)	◎	1280×768(75Hz)	◎
800×600(85Hz)	◎	1280×1024(60Hz)	◎

All screen images are simulated.

Compact 8.4" Model with HD/SD Compatibility

BT-LH900A

8.4" HD/SD Multi-Format LCD Monitor

XGA 1024x768 | HD/SD Multi-format | SDI (Automatic HD/SD switching) | Y/Pb/Pr Input | R G B

Waveform monitoring | Varicam Cine Gamma Compensation | Side-by-side Rack mounting* *Optional

Thin, Lightweight and Energy Efficient, Plus DC Operation

With its slim 2.5"(65mm)profile and light 4.4lbs(2.0kg) weight,the HD-compatible BT-LH900A provides the full advantage of the LCD panel's space-saving design. It saves energy too, consuming far less power than a conventional CRT HD monitor. And its DC operation makes the BT-LH900 ideal for outdoor locations.

HD/SD Compatibility

The BT-LH900A is equipped with two SDI inputs (auto HD/SD IN, switched OUT), one component input (Y/Pb/Pr or RGBS) and one composite input.

170° Viewing Angle

A high-brightness, high-contrast LCD panel gives the BT-LH900A a wide viewing angle of 170°, both vertically and horizontally. This minimizes color variation and ensures sharp, easy-to-see images when the monitor is viewed from different angles.

Waveform monitor screen

Rear Panel

Broadcast-Quality Color and Gradation

With 1,024 x 768 (XGA) pixels, the BT-LH900A has the high resolution needed to provide broadcast-quality color reproduction and gradation.

Detached Control Panel Adds Versatility

The control panel is separated from the monitor, making the BT-LH900A suitable for a wide range of applications, including use as a monitor or viewfinder.

Panel Features:

- Cine gamma correction function allows use as a viewfinder for the VARICAM AJ-HDC27H
- Equipped with a waveform monitor function
- Equipped with marker and blue-only functions
- External remote control via RS-232C, GPI terminals
- Side-by-side rack mounting (with optional BT-MA900G), with vertical tilt mechanism

Mounted to the AJ-HDC27H (for use as a viewfinder)

Option for BT-LH900A

BT-MA900G
Rack Mount Adaptor

Side-by-side rack mounting example

Formats Supported by BT-LH900A

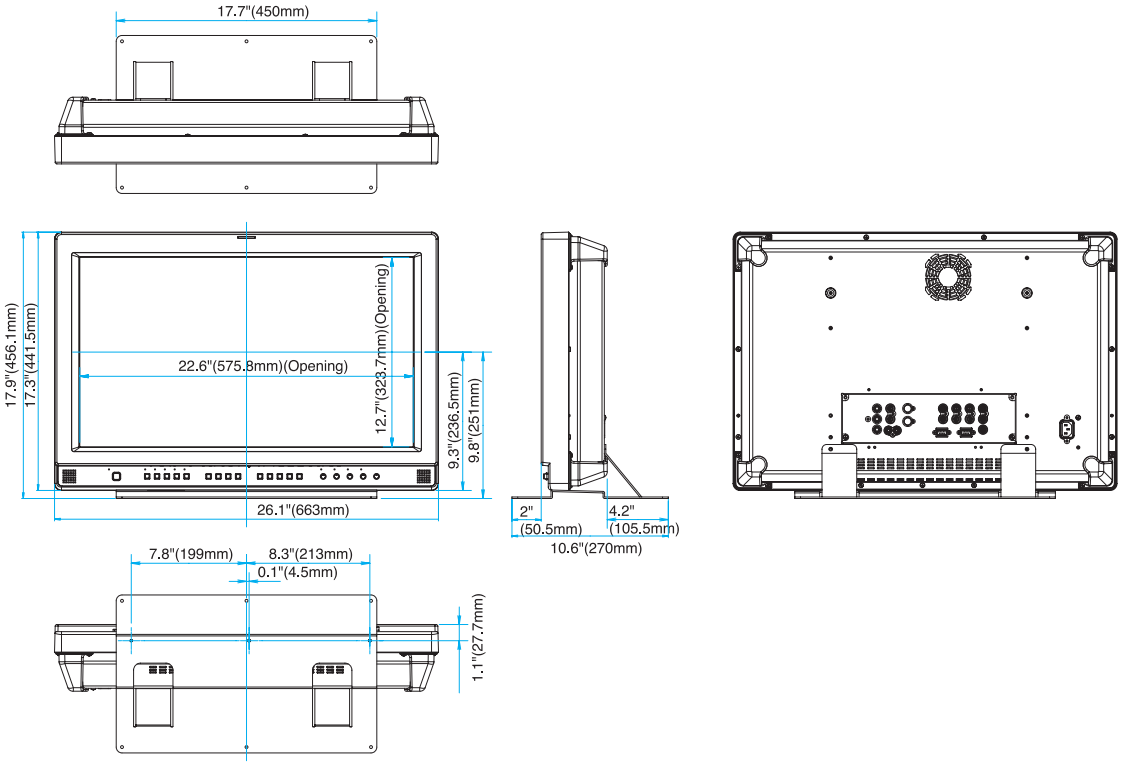
◎: Standard

NTSC	◎	1035/60i,59.94i	◎
PAL	◎	1080/50i	◎
480/59.94i	◎	1080/60i,59.94i	◎
480/59.94p	◎	1080/30p,29.97p	◎
576/50i	◎	1080/25p	◎
720/50p	◎	1080/24p,23.98p	◎
720/60p,59.94p	◎	1080/24psF,23.98psF	◎

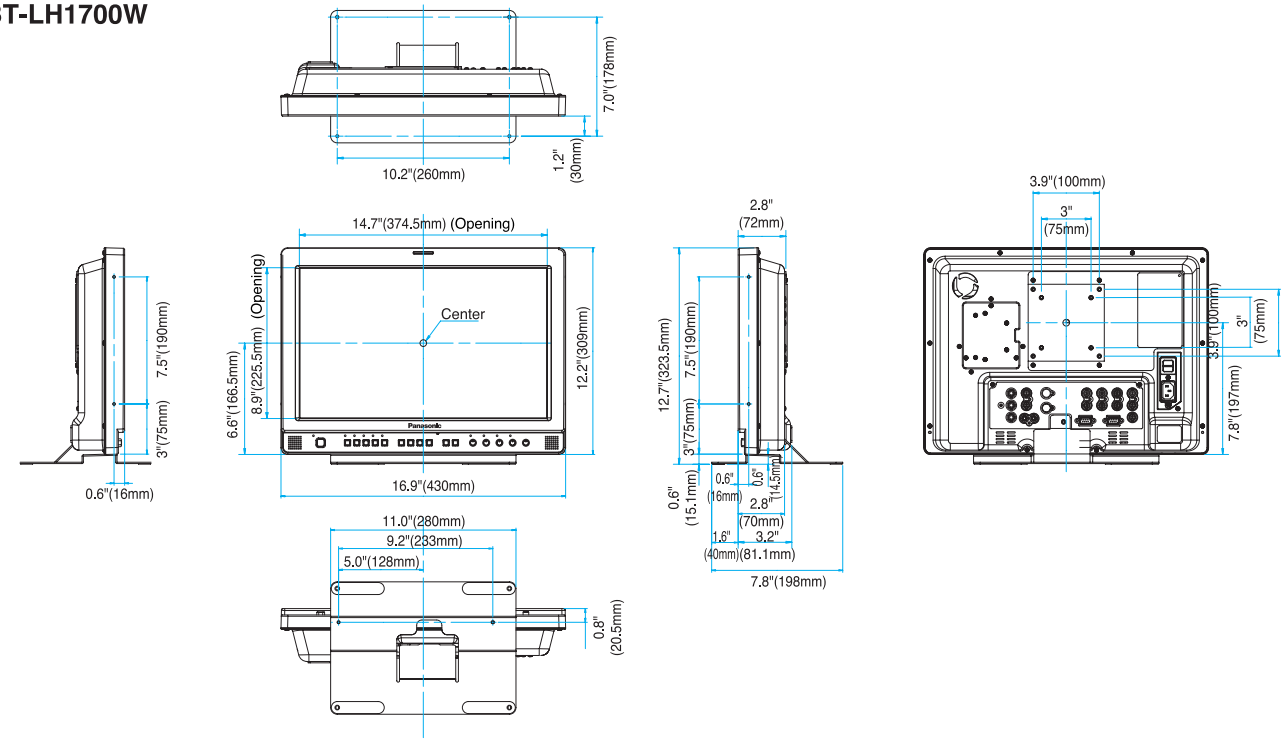
All screen images are simulated.

Dimensions

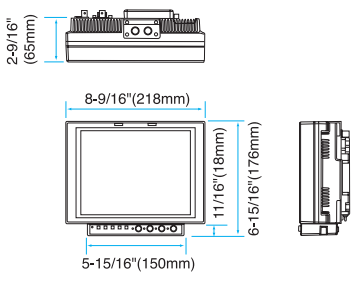
BT-LH2600W



BT-LH1700W



BT-LH900A



SPECIFICATIONS

	BT-LH2600W	BT-LH1700W
GENERAL		
Power Requirement:	AC100V - 240V 50/60Hz,	AC100V - 240V 50/60Hz, DC12V(11V - 17V)
Power Consumption:	1.5A - 0.6 A	1.1A - 0.6 A ; 4.5A with 12V DC
Dimensions (WxHxD):	26.1" x 17.6" x 10.6" (663 x 456.1 x 270mm, Including stand) 26.1" x 17.3" x 4.5" (663 x 441.5 x 114mm, Main unit only; not including stand)	17" x 12.7" x 7.8" (430 x 323.5 x 198mm, Including stand) 17" x 12.2" x 3.2" (430 x 309 x 81.1mm, Main unit only; not including stand)
Weight:	17.5kg(38.5lbs) (Including stand), 15.0kg(33.0lbs) (Main unit only; not including stand)	8.1kg(17.8lbs) (Including stand), 7.2kg(15.8lbs) (Main unit only; not including stand)
Operating Temperature:	+5°C - +35°C	
Operating Humidity:	20% - 80% (non dew)	
Storage Temperature:	-20°C - +60°C	
Storage Humidity:	10% - 90% (non dew)	
Display Panel		
Panel Size:	26"	17.1"
Aspect Ratio:	16:9	15:9
Resolution:	1,366 x 768 pixel (WXGA)	1,280 x 768 pixel (WXGA)
Display colors:	More than 16,770,000 colors	More than 16,700,000 colors
Viewing Angle:	176°	
Connectors		
Video input:	Video : 1 line, BNC x 2 (Through-out connector x 1) Y/C : 1 line,4-pin x 2 (Through-out connector x 1) Analog component (YPbPr/RGBS) :1 line,BNC x 8 (Through-out connector x 4) However, with RGB-COMP input, it is R, G, B, HD, VD, BNC x 5. (Through-out cannot be connected.) SDI : 2 line,BNC x 3 (switched-out connector x 1)	
Audio input:	Pinjack x 2 (stereo)	
GPI:	D-SUB, 9pin	
RS-232C:	D-SUB, 9pin	
External DC power input:	--	XLR, 4-pin x 1
Signal level		
Video:	EXT SYNC signal level: 0.3Vp-p - 4.0Vp-p HD/VD signal level: TTL level	
Audio:	Audio input signal level: 0.5Vrms Speaker output: 0.5W + 0.5W	
Accessories:	Power cord, power cord hook, screw	

	BT-LH900A
GENERAL	
Power Requirements:	DC12V(11 ~ 17V)
Power Consumption:	22.8W
Dimensions (W x H x D):	8-9/16 " x6-15/16 " x2-7/16 " (218 x 176(4U) x 65 mm)
Weight:	2.0 kg (4.4 dlbs)
Operating Temperature:	+0°C - +40°C
Operating Humidity:	10% - 85% (non dew)
Storage Temperature:	-20°C - +60°C
Display Panel	
Panel Size:	8.4"
Aspect Ratio:	4:3
Resolution:	1024 x 768 pixel(XGA)
Display colors:	More than 16,770,000 colors
Viewing Angle:	170°

Connectors	
Video Input :	Video:1line, BNC x 2(Through-out connector x 1)
	Analog component(Y/Pb/Pr/RGBS): 1line, BNC x 4
	SDI:2lines, BNC x 3(Switched out connector x 1)
GPI:	D-SUB,9pin
RS-232C:	D-SUB,9pin
External DC power input:	XLR,4pin
Accessories:	Battery holder for Anton/Bauer battery(Built-in)

Specifications are subject to change without notice.

Panasonic®

Matsushita Electric Industrial Co., Ltd.
Systems Business Group
2-15 Matsuba-cho, Kadoma, Osaka 571-8503
Japan
Phone +81 6 6905 4650 Fax +81 6 6908 5969
http://eww.pavc.panasonic.co.jp/pro-av/

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Argentina	+54 114 308 1610	Korea	+82 2 2106 6641	South Africa	+27 11 313 1400
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