

Panasonic

ideas for life

BT-LH1760

17" High Performance Widescreen LCD Monitor

Studio/Field Monitor with Superb Image Quality,
Double-Speed Drive, 3D LUT, And a Variety of Display Features.



Based on the BT-LH1700W, which has long been popular for its versatility in both studio and field applications, the BT-LH1760 provides even better image quality and performance in a 17" LCD monitor for broadcast use.

Double-speed (120 Hz/100 Hz) drive minimizes motion blur, and a new image processing engine with a three-dimensional LUT (Look Up Table) achieves faithful color reproduction.

Efficient broadcast and image production work is made possible by a host of powerful display functions, including a vectorscope, waveform monitor, cross hatch, pixel-to-pixel, HV delay, monochrome mode, split screen, audio level meter, time code, and closed caption display.

With power consumption current operating on AC power reduced by 50% compared to our previous model, and the quiet operation of its fanless drive, the BT-LH1760 is ideal for use in editing studios and MA rooms.

Double-Speed Drive for Blur-Free Moving Images

Moving images without any motion blur are achieved by driving at a speed (120 Hz/100 Hz) that is twice the panel speed and inserting a black frame of a certain level between frames. Unlike frame creation methods, this system minimizes afterimages while displaying images faithful to the input signal. This high-performance, high-speed image display function is ideal for broadcast applications.

Faithful Color Reproduction

The BT-LH1760 features a new image processing engine. By using a three-dimensional LUT (Look Up Table) for each RGB color and applying precise 10-bit image processing, it achieves faithful color reproduction from low to high brightness levels in all video formats.



120Hz Double-speed drive



60Hz Frame hold

BT-LH1760 High Performance 17" LCD Monitor

Versatile Display Performance and Functions

- Advanced image-enhancing circuitry, including excellent motion response and a diagonal line compensation circuit.
- Wide, 176° horizontal and vertical viewing angle.
- Marker and blue-only functions.
- Vectorscope (SDI-In only) and waveform monitoring.
- Cross hatch overlay display.
- Pixel-to-pixel display without resizing HD pixels.
- HV delay display and monochrome mode.
- Coordination of multiple cameras on split screens.
- Time code (SDI-In) and closed caption [Video (NTSC) input Only] display.
- Cine-gamma (F-REC) compensation for Varicam shooting.
- Audio level meter overlay display (with SDI input).



4:3 and safe area marker

Waveform monitoring

Vectorscope

Low Current Consumption, Fanless Drive

The consumption current of the new BT-LH1760 operating on AC power is about 50% lower than our previous model. And when no signal is received for 60 continuous seconds, the Power Save mode is activated to further minimize power consumption. This enables fanless drive, for a level of quiet operation that makes this model ideal for use in editing studios and Mastering rooms.

Design and Specifications for Diverse Applications

- Aluminum diecast frame build quality.
- Two SDI and component and DVI-D. PC input compatible.
- RS-232C/GPI remote control terminals.
- Tally lamp (red, green)
- Headphone jack and built-in stereo speakers.
- AC/DC power.
- Rack mounting (optional BT-MA1710G)
- Wall mounting (optional BT-WMA17G)
- LCD protective panel for outdoor use (optional BT-PRP17G).

S P E C I F I C A T I O N S

GENERAL

Power Requirement:	AC100V to 240V 50/60Hz, DC12V (11V to 17V)
Power Consumption:	0.6A to 0.3 A ; 4.0A with DC 12V
Dimensions (WxHxD):	Unit only: 430 x 309 x 81.1mm (16-15/16" x 12-3/16" x 3-1/4") With stand: 430 x 323.5 x 198mm (16-15/16" x 12-3/4" x 7-13/16")
Weight:	6.2kg (13.7 lbs) of unit only, 7.1kg (15.7 lbs) of with stand
Operating Temperature:	+5°C to +35°C (41°F to 95°F)
Operating Humidity:	20% to 80% (non dew)
Storage Temperature:	-20°C to +60°C (-4°F to 140°F)

LCD PANEL

Panel Size:	17.0 inch
Aspect Ratio:	15:9
Resolution:	1,280 x 768 pixels (WXGA)
Display colors:	Approx. 16,770,000 colors
Viewing Angle:	176° (both horizontal and vertical)

CONNECTORS

Video input:	Video: BNC x 2 (with through-out x 1) Y/Pb/Pr/RGGB: BNC x 8 (with through-out x 4*) SDI: BNC x 3 (with switched-out x 1) DVI-D (HDCP): DVI-D x 1, Vertical frequency: 50.0 to 60.0 Hz Horizontal frequency: 31.5 to 67.5 kHz, Dot clock: 25 to 165 MHz
Audio input:	Pin-jack x 2 (stereo)
Headphone output:	M3 stereo mini jack x 1
Remote:	GPI: D-SUB 9pin, RS-232C: D-SUB 9pin
DC power input:	XLR, 4pin

SIGNAL LEVEL

Video:	EXT SYNC: 0.3 to 4.0 Vp-p, HD/VD: TTL level
Audio:	Audio input: 0.5Vrms Speaker output: 0.5W + 0.5W Headphone output: 32Ω, Variable Level
SDI Embedded Audio:	HD-SDI : SMPTE299M, 48kHz, 8CH, synchronous/asynchronous SD-SDI : SMPTE272M, 48kHz, 4GH, synchronous

Specifications and functions 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
<https://www.pavc.panasonic.co.jp/pro-av/>

Countries and Regions

Argentina	+54 1 308 1610	Malaysia	+60 3 5549 5422 (PSE)	Taiwan	+886 2 2725 9100
Australia	+61 2 9986 7400	Mexico	+60 3 5546 7000 (PM)	Thailand	+66 2 731 8888
Bahrain	+973 252292	Montenegro, Serbia	+52 55 5488 1000	Turkey	+90 216 578 3700
Belgium	+32 (0)2 481 04 57			U.A.E. (for All Middle East)	+971 4 282201
Bulgaria	+359 2 946 0786	Netherlands	+41 (0)26 466 25 20	Ukraine	+380 44 4903437
Brazil	+55 11 3889 4035	New Zealand	+64 9 272 0100		+380 44 4903438
Canada	+1 905 624 5010	Norway	+47 67 91 78 00		[ext. 112]
China	+86 10 6515 8828	Pakistan	+92 5370320 21	U.K	+44 (0) 1344 70 69 20
(Hong Kong)	+852 2313 0888	Panama	+507 229 2955	U.S.A.	+1 201 348 5300
Czech Republic	+420 236 032 552/511	Peru	+51 1 614 0000	Vietnam	+848 8370 280
Denmark	+45 43 20 08 57	Philippines	+63 2 633 6162		
Egypt	+20 2 2 3938151	Poland	+48 (22)338 1100		
Finland, Latvia, Lithuania, Estonia	+358 (9)521 52 53	Portugal	+351 21 425 77 04		
France	+33 (0)1 55 93 66 67	Puerto Rico	+1 787 750 4300		
Germany, Austria	+49 (0)611 235 401	Romania	+40 21 211 4855		
Greece	+30 210 96 92 300	Russia & CIS	+7 495 725 0565		
Hungary	+36 (1)382 60 60	Singapore	+65 6270 0110		
India	+91 11 2437 9962	Slovak Republic	+421 (0)2 52 92 14 23		
Indonesia	+62 21 385 9449	Slovenia, Croatia, Bosnia, Macedonia	+44 (0)20 76 63 36 57		
Iran	+98 21 2271463		+27 11 313 1400		
Italy	+39 02 6788 367	South Africa	+27 11 313 1400		
Kazakhstan	+7 3272 504 777	Spain	+34 (93) 425 93 00		
Korea	+82 2 2106 6641	Sweden	+46 (8) 680 26 41		
		Switzerland	+41 (0)41 259 96 32		

	+886 2 2725 9100
	+66 2 731 8888
	+90 216 578 3700
	+971 4 282201
	+380 44 4903437
	+380 44 4903438
	[ext. 112]
	+44 (0) 1344 70 69 20
	+1 201 348 5300
	+848 8370 280



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Factories of Systems Business Group have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)

SP-LH1760PE1



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