

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/RGBS: 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.

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JQA-0443



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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