

Panasonic
ideas for life

BT-LH80W
LCD Video Monitor



 professional &
broadcast services
www.pbs-video.com



Broadcast-Grade Performance Plus Focus Assist and a Viewfinder Terminal Ideal for On-camera and Field Applications, including Mobile Vehicles

The BT-LH80W is a small, lightweight HD/SD LCD monitor designed for field acquisition or live relay use. Inheriting circuitry from the popular BT-LH1700W, this versatile monitor delivers a full broadcast-grade display performance. It also introduces new Focus-in-Red and Pixel-to-Pixel functions that make critical HD camera focusing quick and easy. Connecting directly to the viewfinder terminal of a Panasonic HD camera-recorder, the BT-LH80W provides powerful support as a wide 7.9-inch color viewfinder. Its high performance and versatile functions also make it ideal for use in mobile vehicles.



front



rear

Outstanding Display Performance

with circuitry inherited from the BT-LH1700W

I/P Conversion Circuit for Motion Response

A new I/P conversion algorithm reduces the delay time between the input signal and the monitor to a length of less than one field.

Diagonal Line Compensation

Jagged noise on diagonal lines in moving images is a common problem. The BT-LH80W solves this by detecting correlations in the diagonal direction, resulting in smooth, precision reproduction of moving images.

High-Speed Response

The BT-LH80W incorporates an overdrive circuit that improves response in intermediate gradations, allowing it to display vivid images with no blurring, especially during scenes with motion.

HD/SD Multi-Format Compatibility

Compatible with most HD and SD formats, the BT-LH80W is ideal for a wide range of applications in locations around the world.

Focus Assist Functions for HD Shooting

Focus-in-Red

This function emphasizes the sharply focused area of the image by showing it in an easily visible red, making it easier to focus the camera.



ON Image



OFF Image

Pixel-to-Pixel

This function lets you see the input signal in a pixel to pixel relationship without resizing, making it easier to make focus adjustments. With 1080/60i input signals, you can check the focus with a screen width equivalent to 19 inches.

Useful Functions

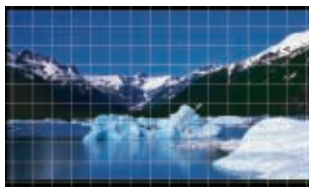
Waveform Monitoring

The input signal is displayed as a waveform for monitoring. Display of the waveform can be displayed in the lower right portion of the screen.



Cross Hatch

Simple Cross Hatch overlay display (at 50 dots interval, fixed) to check the tilt of camera. You can allocate the cross hatch function to any of the three "Function" keys.



Other Useful Functions

- Tally lamps (front: red/green, back: red)
- Marker and blue-only functions
- Compatible with 16:9 and 4:3 aspect ratios
- RS-232C and GPI remote control terminals

Interfaces and Design Suited to the Field

Thin, Small and Lightweight

Making full use of the LCD panel's thinness and light weight, the BT-LH80W is only 2-5/8" (65 mm) deep and weighs just 3.3 lbs (1.5kg).

DC Operation and Low Power Consumption

DC operation (Anton Bauer/DC IN) makes the BT-LH80W ideal for use outdoors. Power consumption is very low, despite its HD/SD compatibility.

Connection as a Viewfinder

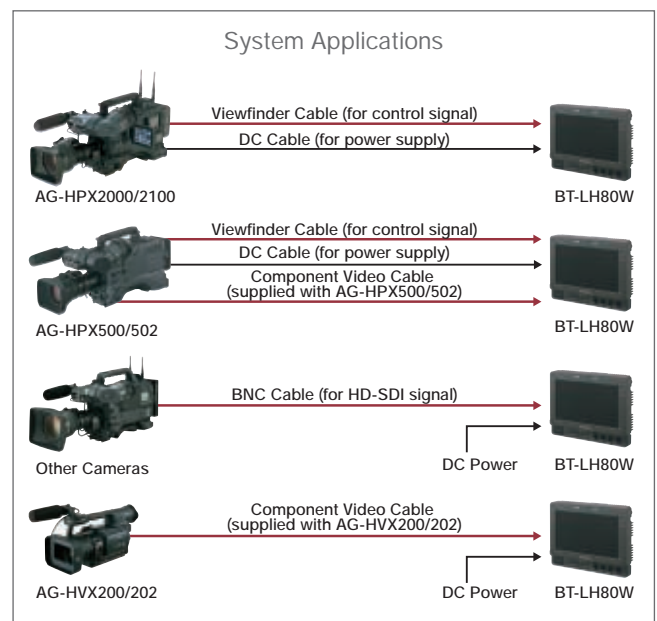
BNC cable connection also makes it possible to use SDI (optional) or component input not only from Panasonic camera-recorders but also from other brand cameras.

Equipped with a 15-pin viewfinder terminal, the BT-LH80W can also be used as a viewfinder for compatible Panasonic camera-recorders — AJ-HDX900, AJ-HDC27H, AJ-HPX2000/2100 and AG-HPX500/502. You can also run the BT-LH80W on DC power supplied by these camera-recorders. Connection is easy, requiring only a viewfinder cable and DC power cable.

Supported Video Format

Input Signal	VIDEO	VF-VIDEO	VF-YPBPR	YPBPR	SDI (option)
NTSC	yes	yes			
PAL	yes	yes			
480/59.94i			yes	yes	yes
480/59.94P			yes	yes	
576/50i			yes	yes	yes
576/50P			yes	yes	
720/50P			yes	yes	yes
720/59.94P			yes	yes	yes
720/60P			yes	yes	yes
1035/59.94i*			yes	yes	yes
1035/60i*			yes	yes	yes
1080/23.98Psf			yes	yes	yes
1080/24Psf			yes	yes	yes
1080/50i			yes	yes	yes
1080/59.94i			yes	yes	yes
1080/60i			yes	yes	yes

*Indicates display with 1080/59.94i or 1080/60i, instead of 1035/59.94i or 1035/60i



*Mounting bracket is required to mount on a Camera-Recorder.

Optional Accesories



BT-YA80G
SDI INPUT UNIT



BT-CS80G
VF Cable
(Viewfinder Cable, DC Cable)

Specifications

Power Requirements: DC12V (11 to 17V)
DC Input (XLR 4-pin) or Anton Bauer Battery

Power Consumption: DC12V, 1.5A

Weight: 3.3 lbs (1.5kg)

Dimensions: 8-3/4" x 6-11/16" x 2-5/8"
(W x H x D) (218 x 166 x 65 mm)

LCD Panel: 7.9", 16:9 aspect ratio

Display colors: 16,770,000 colors

Resolution: 800 x 450 pixels

Viewing Angle: 110° Vertical, 120° Horizontal

Video Input: VIDEO, Y/Pb/Pr (BNC), 1 ch
Viewfinder terminal (15-pin)

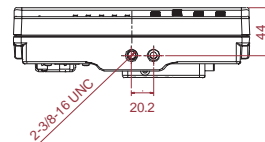
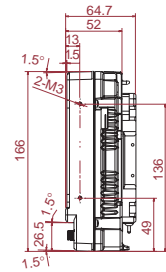
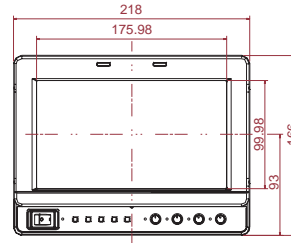
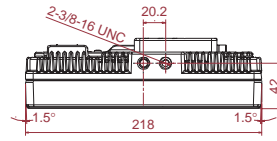
Remote: GPI (D-sub 9-pin), RS-232C (D-sub 9-pin)

Option: SDI INPUT UNIT,
VF cable (Viewfinder Cable, DC Cable)

*The specifications shown above are subject to change without notice

Dimensions

(unit: mm)



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Factories of Systems Business Group have received ISO14001:2004-the Environmental Management System certification.