

LPM-770BP

Portable LCD Field Monitor



The highly portable LPM-770BP LCD monitor can be used in a range of applications to help you achieve perfect shots every time. This versatile 7-inch* monitor can be used on-camera** as a large screen electronic viewfinder or as a confidence monitor for directors and is perfect for use with a crane or camcorder remote.

The LPM-770BP supports the creative vision of the user with a number of features designed to ensure fantastic footage can be easily captured. A range of markers makes the framing of shots simple, whilst the coloured peaking and video level marker functions help ensure sharply focused and perfectly exposed images respectively.

The LPM-770BP features a range of inputs including one HDMI and one Component input as well as two Composite inputs which can be used to display picture and picture mode. The monitor can be powered using NP-F970 or other L series batteries as well as by using the 12V DC input, giving you even more operational flexibility.

This product comes with PrimeSupport – fast, hassle-free repairs and a helpline offering expert technical advice. Which gives you the peace of mind that Sony is looking after your equipment, and your business.

*7-inches measured diagonally

**Mounting bracket not supplied.

Features

A Wide Range of Functions to Help Content Creation

The LPM-770BP's pro-oriented feature set includes a colour peaking function that lets you instantly confirm which elements are in focus. It's an indispensable aid when precise focusing is critical, and you can select peaking sensitivity to match the scene being shot. There's also a Video Level Marker that colours specific video brightness levels in images to help you achieve optimum exposure and skin tone during iris adjustment. And a native resolution function with 1:1 pixel mapping that displays the image exactly as it is being captured by the camera's image sensor.

Dual Composite Inputs for Dual Camera Support

HDMI, component and composite inputs assure compatibility with digital and analogue formats. Two composite inputs are provided as standard, enabling you to view and adjust the colour and brightness of images from two cameras using a single monitor.

Fanless, Compact, Light and Easy to Operate

To make audio recording easier during a shoot, the LPM-770BP features a silent, fan-less design. It's also compact and light, weighing just 840g (main unit only), making it ideal for portable applications. Four 6.35mm (1/4 inch) tripod/angle sockets, one each on the top/bottom and right/left, provide extra set-up flexibility.

Dual Power Supply

The unit can be powered by DC 12 V via an XLR-4P plug or the same InfoLITHIUM™ L series battery as the HVR-Z7, HVR-Z5, HVR-V1, HVR-A1, HVR-HD1000 and HXR-NX5, so you can use your existing chargers and batteries.

Camcorder Fitting

Mount adaptors are not supplied. This monitor weighs approx. 1.2 kg (including battery). When securing, be sure to use arms, brackets and other mounting accessories capable of firmly supporting the weight of the monitor and other mounted equipment. If the unit is secured incorrectly, it may fall and become damaged.

Other Features

Removable LCD hood and protection plate

Scan switching between 0% scan, 5% over scan and

zoom mode possible during video input

Centre/aspect marker display

Technical Specifications

Picture Performance	
Type	TFT Active Matrix
Resolution	800 x 480 pixels
Effective picture size (WxH) (Diagonal)	152.4 x 91.5 mm (6 x 3 5/8 inches) 177.8 mm (7 inches)
Aspect	15:9
Viewing angle	80°/80° (left/right contrast >10:1)

Input	
Composite	BNC (x2), 1.0 Vp-p ±3dB sync negative
Component	BNC (x1), 0.7 Vp-p ±3dB (75% chrominance normal colour bar signal)
HDMI	HDMI Type A (x1)
Audio	Stereo mini jack (x1)
DC in	DC 12 V (output impedance 0.05 ohms or less)

Output	
Composite	BNC (x2) loop-through, with 75 ohms automatic termination
Speaker (Built-in)	0.5 W (mono)
Headphones	Stereo mini jack (x1)

General	
Power requirement	DC 7.2 V Sony NP-F970/F770 battery*, DC 12 V XLR-type 4P plug * Sony NP-F570/F550/F530/F330 InfoLITHIUM™ batteries cannot be used.
Power consumption	Maximum approx. 15 W
Operating temperature	0°C to 40°C (32°F to 104°F) Recommended: 20°C to 30°C (68°F to 86°F)
Operating humidity	30% to 85% (no condensation)
Storage and transport temperature	-20°C to +60°C (-4°F to +140°F)
Storage and transport humidity	0% to 90%
Operating, storage, and transport pressure	700 hPa to 1060 hPa
Dimensions (W x H x D)	186 x 146 x 66 mm (7 3/8 x 5 3/4 x 2 5/8 inches)
Mass	840 g (1 lb 14 oz) (main unit only)

Supplied Accessories

	Hood
	Set of printed materials

Accessories**Support Plans****PrimeSupport Plus BC1**

1-Year Additional Cover for Broadcast and Pro A/V Products

Compatible Products**XDCAM****PMW-F3L**

Super 35mm Full-HD Compact Camcorder with PL Mount Adapter

**PMW-F3K**

Super 35mm Full-HD Compact Camcorder with 35mm, 50mm and 85mm lenses



PMW-EX1R

A Compact Full-HD Camcorder with SxS PRO
Solid State Recording and 1/2-inch Exmor
sensors