PVM-X300

30-inch 4K TRIMASTER™ LCD professional monitor

Overview

It's Time for 4K

The PVM-X300 has a 30-inch 4K LCD panel (4096 x 2160) capable of displaying over four times Full HD resolution in a single screen. The professional LCD monitor incorporates Sony's exclusive TRIMASTER™ technology architecture, achieving excellent colour and picture quality reproduction, which makes this monitor ideal for 4K cinema production (onset monitoring, dailiesand editing), 4K live production (camera control, program preview) and real-time 4K presentation.

Portable and versatile design for wide range of applications

The PVM-X300 is designed to be high performance and versatile in terms of the interfaces, controls and compatibility with production cameras and memory media. Furthermore, the PVM-X300 can incorporate an innovative and optional 4K SxS player which offers unprecedented ease of handling 4K content. This expands the new 4K world not only to cinema applications, but also for live production, documentaries, business and industry applications.

Features

30-inch true 4K LCD panel with 10-bit driver
The PVM-X300 has a 30-inch 4K LCD panel (4096 x 2160) with a

wide viewing angle capable of displaying over four times Full HD resolution in a single screen. The monitor incorporates Sony's TRIMASTER™ technology architecture and a RGB 10 bit panel, making it suitable for Cinema and Live Production applications.

Supports variety of resolution outputs
The monitor supports 4096x2160/24p and 3840x2160/24p/25p/30p* with one single HDMI cable. The PVM-X300 is also equipped with the unique feature of evaluating video signal of 4096x2160/50p with one single HDMI cable when connected to Sony's new F55 4K camera system.
* Supported by V1.1 (expected in spring of 2013) or later upgrade.

Wide variety of 4K interfaces
A wide variety of interfaces makes the PVM-X300 able to connect to almost any 4K imaging equipment and support various display modes. These include: 3G/HD-SDI x4 inputs with monitor out; HDMI x4 inputs.

Optional SxS 4K player
The PVM-X300 can incorporate an optional 4K player, which is capable of easy playback of 4K content. The newly-developed SxS PRO+ high speed memory media, which supports XAVC 4K and XAVC HD High Frame Rate (HFR) recording, can be inserted into the player providing quick viewing of 4K camera images and 4K content.

Camera Assist Function
The monitor has a Camera Assist Function for focus in colour and zoom.

Stereo audio
Audio is supported with stereo speakers, line out and headphone jack.

Specifications

Picture Performance	
Panel	a-Si TFT Active Matrix LCD
Picture size (diagonal)	767.5 mm 30.2 inches
Effective picture size (H x V)	678.9 x 358.0 mm 26 3/4 x 14 1/8 inches
Resolution (H x V)	4096 x 2160 pixels
Aspect	17:9
Panel drive	RGB 10-bit
Viewing angle (panel specification)	89°/89°/89°/89° (typical) (up/down/left/right contrast > 10:1)

Input	
SDI	BNC (x4)
HDMI	HDMI (x4) (HDCP correspondence)

Output	
SDI	BNC (x4) Output signal amplitude: 800 mVp-p ±10%

	Output impedance: 75 Ω unbalanced
Audio monitor	Stereo mini jack (x1)
Speaker (built-in)	1.0 W (stereo)
Headphone	Stereo mini jack (x1)

General	
Power requirements	AC 100 V to 240 V, 2.3 A to 1.1 A, 50/60 Hz
Power consumption	Approx. 210 W (max.)
Operating temperature	0°C to 35°C (32°F to 95°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)*	754 x 457 x 120 mm 29 3/4 x 18 x 4 3/4 inches 754 x 475 x 205 mm (with monitor feet) 29 3/4 x 18 3/4 x 8 1/8 inches (with monitor feet)
Mass	17 kg 37 lb 8 oz
Supplied accessories	AC power cord (1), AC plug holder (1), Operating instructions (1), CD-ROM (1)
*	The values for dimensions are approximate.

Notes

Note	* The values for dimensions are approximate.

Related products

PMW-F5

Super 35mm 4K CMOS sensor compact CineAlta camera records HD/2Kon SxS memory plus 16-bit

PMW-F55

Super 35mm 4K CMOS sensor compact CineAlta camera records HD/2K/4K on SxS memory plus 16-

F65

Super 35mm 8K CMOS sensor SRMASTER camera

BKM-XP1

4K SxS player for PVM-X300 monitor

RAW 2K/4K output   bit RAW 2K/4K output

PXW-FS7

4K Super 35mm
Exmor CMOS sensor
XDCAM camera with α
Mount lens system,
4K/2K RAW and XAVC
recording options

PMW-PZ1

4K/HD SxS memory
player

HDC-4300

4K/HD System Camera

MVS-8000X

4K, HD, 3G, SD Multi-
Format Production
Switcher Processor

PXW-FS7M2

4K Super 35mm
Exmor CMOS sensor
XDCAM camera with
Variable ND Filter, E-
Mount (Lever Lock),
4K/2K RAW and XAVC
recording

Gallery