

## 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, dailies and 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<br>30.2 inches   |
| Effective picture size<br>(H x V)   | 678.9 x 358.0 mm<br>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)<br>(up/down/left/right contrast > 10:1) |

### Input

|      |                                 |
|------|---------------------------------|
| SDI  | BNC (x4)                        |
| HDMI | HDMI (x4) (HDCP correspondence) |

### Output

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

Output impedance: 75  $\Omega$   
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,<br>50/60 Hz                         |
| Power consumption                          | Approx. 210 W (max.)   |
| Operating temperature                      | 0°C to 35°C (32°F to 95°F)<br>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<br>-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/2K on SxS memory plus 16-bit



### PMW-F55

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



### 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  $\alpha$   
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

