

PFM-42B1E  
Flat Panel Monitor

Get noticed.  
Every time...



this is not a rehearsal.

[www.sonypresentation.com](http://www.sonypresentation.com)

SONY®

...because  
it matters.

Special Offers  
Women

Special Offers  
Women

Special Offers  
Men

SALE 50%  
SALE 50%  
SALE 50%

SALE 50%  
SALE 50%  
SALE 50%

In today's digital world, there's never been a greater need for high-impact visual communications. Indoor advertising and point of purchase; information points and signage at airports and hotels; sporting, leisure and hospitality suites; museum, exhibitions and conferencing theatres. They're all presentation applications that demand the immediacy and impact that only high performance plasma monitors can deliver.

Whether it's to inform, update, persuade or entertain, there's a solution from Sony that will catch the imagination of you and your audience. The picture's clear: getting your message across with style and clarity is easier than ever with the new PFM-42B1E flat panel plasma monitor from Sony.

When your choice of **flat panel monitor** is **critical** for creating the right **visual impact**, you can tell at a glance that the **Sony PFM-42B1E** goes far beyond ordinary expectations... Whatever the application, at last there's a digital presentation solution that's a true match for the imagination.



### Understated Looks For Any Occasion

Distinguished by its clean lines and a sleek, understated appearance, the 42" PFM-42B1E in a silver finish, complements any environment. At just 83 mm (3 3/8 inches) deep, the slender proportions of the PFM-42B1E belie the clarity and brightness of the exceptional 16:9 images it produces. For freestanding applications, wall mounted or suspended in horizontal or vertical orientation, the PFM-42B1E assures maximum impact images plus maximum style.

### Bright, Brilliant Pictures When Quality Really Matters

Mission critical applications demand the very best in image reproduction. That's why the PFM-42B1E uses Sony PDP (Plasma Display Panels) flat panel display technology with 1024 x1024 light-emitting image pixels to display perfectly flat images with a brightness and contrast that's a revelation – a vital plus in brightly-lit environments like airport lounges and stations where your audience depends on getting the right information. Rich, natural colours are the most lifelike you've ever seen. Thanks to unique Sony I/P conversion technology, displayed images are smooth and even right across the width of the screen, while an anti-reflection coating on the glass panel reduces ambient light reflection for clearer pictures still.

## Versatile Input Possibilities With High Performance Scan Converter

Flexibility of operation is vital when you're choosing a professional flat panel monitor. A choice of input connectors allows the PFM-42B1E to display RGB/component, HDTV, DTV and computer signals up to UXGA\*. Composite and S-video (Y/C) signals are also accepted with the addition of the optional BKM-B10 input adaptor. All are reproduced with greater fidelity thanks to the built-in high performance scan converter that samples each input source pixel to deliver high quality pixel-by-pixel image reproduction with enhanced clarity and detail.

\*For details, please refer to the Preset Signals chart.

### Professional Features

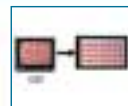
- **Extremely light weight, slim design:** 29.7 kg / 65 lb 5 oz; 83 mm / 3 3/8 inches deep
- **Six-language On-Screen Display** for quick, simple setup in English, French, German, Italian, Spanish and Japanese
- **Selectable Aspect Ratio:** Select from widescreen 16:9, wide zoom, Letter Box zoom or standard 4:3 modes

- **Size Control:** Image size can be adjusted vertically and horizontally
- **Picture ZOOM:** For close-up reproduction of a chosen image selection in more detail
- **Memory Save/Load:** Store and recall up to 20 individual picture settings for any environment or application
- **Versatile Remote Control Capabilities:** the PFM-42B1E is controllable via the supplied RM-42B remote control unit or via RS-232C
- **Easy Maintenance Access:** Self-diagnosis alarm via status menu, service code indicator or RS-232C port
- **Precise Colour Temperature Adjustment:** Up to six colour temperature settings can be stored and named for convenient recall
- **Dot Phase Adjustment:** Optimises scan converter sampling phase to the selected input signal
- **Screen Saver Function:** Picture Orbiting and Picture Inversion modes
- **24 hour On/Off Timer**
- **Closed Caption Decoder**
- **Wide Range Power Supply:** Accepts AC 100 to 240 V (UL listed for 100 to 120 V operation)

### Flat Panel Monitors: The Benefits



Sony PFM Series monitors use Plasma Display Panels (PDP) technology – for the very best performance.



- Compact, lightweight design delivers large, vibrant images in slim, space-saving format



- True, accurately proportioned images

- from linear alignment of light-emitting pixels



- Wide 160° viewing angle for maximum audience visibility in any application

- Increased resistance to interference from external magnetic fields for drift-free colour uniformity



# Specifications

## Picture Performance

<b>Panel</b>	<b>Resolution</b>	1024 x 1024 pixels
	<b>Pixel pitch</b>	0.90 x 0.51 mm
	<b>Active area (W/H)</b>	921 x 522 mm
	<b>Viewable picture area</b>	42-inch/1,058 mm (measured diagonally)
	<b>Driver</b>	10-bit RGB
	<b>Colours</b>	16.8 million colours simultaneously
	<b>Type</b>	AC-type Plasma Display Panel with anti-reflection screen
<b>Colour system**</b>		PAL/NTSC/SECAM/NTSC4.43 /PAL-M/PAL 60
<b>Sampling rate</b>		13.5 to 140 MHz

## Input/Output

<b>INPUT1/INPUT2</b>	D-sub 15-pin
<b>RGB</b>	0.714 Vp-p/non-composite, 1.0 Vp-p/composite, 75 Ω
<b>YUV</b>	0.7 Vp-p/non-composite (U/V), 1.0 Vp-p/composite (Y), 75 Ω
<b>AUDIO</b>	Stereo mini jack, 500 mV rms, high impedance
<b>VIDEO COMPOSITE IN</b>	BNC, 1.0 Vp-p ±2 dB sync negative, 75 Ω automatic termination
<b>Y/C IN**</b>	Mini DIN 4-pin
<b>Y**</b>	1.0 Vp-p ±2 dB sync negative, 75 Ω
<b>C**</b>	0.3 Vp-p ±2 dB sync negative (PAL), 75 Ω 0.286 Vp-p ±2 dB sync negative (NTSC), 75 Ω
<b>AUDIO IN</b>	Stereo mini jack, 500 mV rms, high impedance
<b>COMPOSITE OUT**</b>	BNC, loop-through
<b>AUDIO OUT</b>	Stereo mini jack, 500 mV rms, high impedance
<b>REMOTE (RS-232C)</b>	D-sub 9-pin

## General

<b>Power requirements</b>	AC 100 to 240 V, 50/60 Hz, 4.5 to 1.8 A
<b>Power consumption</b>	400 W max.
<b>Operating temperature</b>	0 to 35 °C (32 to 95 °F)
<b>Storage temperature</b>	-10 to 40 °C (14 to 104 °F)
<b>Humidity</b>	20 to 90 %, no condensation
<b>Dimensions* (W/H/D)</b>	1033 x 631 x 83 mm (40 3/4 x 24 3/4 x 3 1/4 inches)
<b>Mass</b>	29.4 kg (64 lb 11 oz)

## Supplied Accessories

AC Power Cord, AC Plug Holder (2), Remote Commander RM-42B, Size AA (R6) Battery (2), Operating Instructions

## Regulation Compliance

UL1950, CSA No.950 (c-UL), CE LVD (EN60950), Dentori Otsu, FCC Class B, IC Class B, VCCI Class B, CE EMC (EN55022 Class-B, EN55024, EN61000-3-2, EN61000-3-3), C-Tick (AS/NZS 3548/95, AS/NZS 4252.1), CCB1

\* Excluding protruding parts.

\*\* Optional BKM-B10 Board required

## Preset Signals

VIDEO****	fH (kHz)	Frame rate*(Hz)	Resolution (Active)
NTSC	15.734	60	483 lines
PAL	15.625	50	575 lines
SECAM	15.625	50	575 lines
NTSC <sup>445</sup>	15.734	60	483 lines
PAL60	15.734	60	483 lines
1080/24PsF	27.000	24	1080 lines
1080/50i	28.125	50	1080 lines
575/50P	31.250	50	575 lines
480/60P	31.469	60	483 lines
1080/60i	33.750	60	1080 lines
720/60P	45.000	60	720 lines

## COMPUTER INPUT

	fH (kHz)	fV (Hz)	Resolution (Active)
VGA-1 (VGA 350)	31.5	70	640 x 480 dots
640 x 350 @85 (VESA STD)	37.9	85	640 x 350 dots
640 x 400 @85 (VESA STD)	37.9	85	640 x 400 dots
640 x 480 @60 (VESA STD)	31.5	60	640 x 480 dots
Mac 13"	35.0	67	640 x 480 dots
640 x 480 @72 (VESA STD)	37.9	73	640 x 480 dots
640 x 480 @75 (VESA STD)	37.5	75	640 x 480 dots
640 x 480 @85 (VESA STD)	43.3	85	640 x 480 dots
852 x 480 @60 (I-O DATA)**	31.7	60	852 x 480 dots
VGA (VGA TEXT)	31.5	70	720 x 400 dots
720 x 400 @85 (VESA STD)	37.9	85	720 x 400 dots
800 x 600 @56 (VESA STD)	35.2	56	800 x 600 dots
800 x 600 @60 (VESA STD)	37.9	60	800 x 600 dots
800 x 600 @72 (VESA STD)	48.1	72	800 x 600 dots
800 x 600 @75 (VESA STD)	46.9	75	800 x 600 dots
800 x 600 @85 (VESA STD)	53.7	85	800 x 600 dots
Mac 16"	49.7	75	832 x 624 dots
1024 x 768 @60 (VESA STD)	48.4	60	1024 x 768 dots
1024 x 768 @70 (VESA STD)	56.5	70	1024 x 768 dots
1024 x 768 @75 (VESA STD)	60.0	75	1024 x 768 dots
1024 x 768 @85 (VESA STD)	68.7	85	1024 x 768 dots
1152 x 864 @75 (VESA STD)	67.5	75	1152 x 864 dots
Mac 21"	68.7	75	1152 x 870 dots
1280 x 960 @60 (VESA STD)	60.0	60	1280 x 960 dots
1280 x 960 @85 (VESA STD)	85.9	85	1280 x 960 dots
1280 x 1024 @60 (VESA STD)	64.0	60	1280 x 1024 dots
1280 x 1024 @75 (VESA STD)	80.0	75	1280 x 1024 dots
1280 x 1024 @85 (VESA STD)	91.1	85	1280 x 1024 dots
1600 x 1200 @60 (VESA STD)***	75.0	60	1600 x 1200 dots

\* Compatible with 1/1.001.

\*\* With the graphic accelerator board of I-O DATA DEVICE, INC.

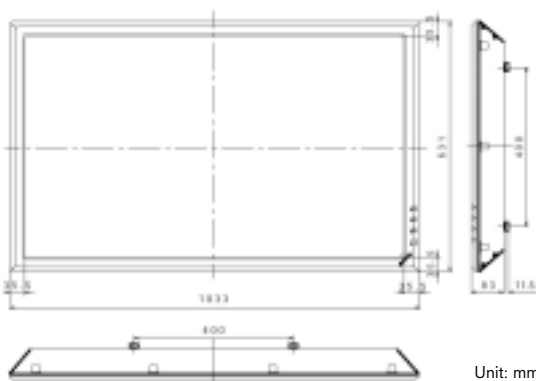
\*\*\* Dot phase adjustment not applicable to UXGA (1600 x 1200).

\*\*\*\* Optional BKM-B10 Board required

## Connector Panel



## Dimensions



Unit: mm

## Control Panel



## Optional Accessories



BKM-B10



Monitor Stand SU-42B

© 2001 Sony Corporation. All rights reserved. Reproduction in whole or in part without permission is prohibited. Features and specifications are subject to change without notice. All non-metric weights and measures are approximate. Sony is a registered trademark of Sony Corporation. Mac is a registered trademark of Apple Computer, Inc.

CA PFM-42B1E/GB-16/02/2001