

Monitor Line-up
Comparison Guide
2004

2004





Sony introduced the first series of broadcast monitors into the market in 1979 and marked the beginning of a commitment to advance the technologies of video monitoring. Today, Sony leads the industry with the most extensive range of broadcast and professional monitors – combining innovative features, superb performance and remarkable reliability.

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Features

Product Features



E Cinema/1080 Production

Digital cinema production requires a new generation of high-performance monitors – and the Sony BVM-F24U monitor meets the challenge. This display has been specially designed as part of Sony's CineAlta™ family of high definition products.

BVM-F24U

- True 24 frame progressive scan
- Displays both segmented frame and progressive formats
- 1000 TV lines in 4:3/16:9 modes, SMPTE-C phosphors
- Dual link 4:4:4 HD SDI input
- Graticule generator outputs most cinema aspect ratio formats
- Auto setup for presets, matrix, white balance, uniformity, and landing
- Includes digital convergence adjustment control





Multi-Format Broadcast Monitors

The BVM-D series of broadcast multi-format monitors was introduced in 1999 to handle the demands of the DTV world. These monitors accept a wide variety of digital signals including 480i, 480p, 720p, 1080/60i, and 1080/24PsF. The BVM-D series provides a complete line-up – from 32" master monitors to 9" picture and field monitors.

BVM-D24E1WU / BVM-D32E1WU

- 1000 TV lines 16:9 CRT using SMPTE-C phosphors
- Multiple format SD and HD display including 1080i, 1080/24Psf and 720P
- Matrix values for ITU 601, ITU 709, and SMPTE 240M colorimetry standards
- Auto setup adjusts presets, white balance, uniformity, and landing
- Automatically accepts measurements from most industry standard light probes
- 4 option slots for both analog and digital decoders
- RS 485 serial control for multiple monitor control



BVM-D20F1U

- 900/700 TV lines in 4:3/16:9 modes, SMPTE-C phosphors
- Multiple format SD and HD display including 1080i, 1080/24Psf and 720P
- Matrix values for ITU 601, ITU 709, and SMPTE 240M colorimetry standards
- Auto setup adjusts presets and white balance
- Automatics accept measurements from most industry standard light probes
- 4 option slots for both analog and digital decoders
- RS 485 serial control for multiple monitor control



BVM-D14H1U / BVM-D14H5U

- 800/600 TV lines in 4:3/16:9 modes, SMPTE-C phosphors
- Multiple format SD and HD display including 1080i, 1080/24Psf and 720P
- Matrix values for ITU 601, ITU 709, and SMPTE 240M colorimetry standards
- Auto setup adjusts presets and white balance
- Automatics accept measurements from most industry standard light probes
- 3 option slots for both analog and digital decoders
- RS 485 serial control for multiple monitor control



BVM-D9H1U / BVM-D9H5U

- 450/340 TV lines in 4:3/16:9 modes
- Multiple format SD and HD display including 1080i, 1080/24Psf and 720P
- Matrix values for ITU 601, ITU 709, and SMPTE 240M colorimetry standards
- Auto setup adjusts presets and white balance
- Automatics accept measurements from most industry standard light probes
- 3 option slots for both analog and digital decoders
- RS 485 serial control for multiple monitor control
- Optional lithium-ion battery packs available
- Audio capability and built-in speaker in monitor bottom (9H5U only)
- Rack mountable into a 19" EIA standard rack



Profession



PVM-14L5/1 / PVM-20L5/1

- 1080, 720P, 480P and NTSC multi-format display
- SMPTE-C phosphor CRTs for accurate color matching
- New compact chassis design consumes less space
- Optional input decoders to support multi-signal formats
- Selectable aspect ratio
- NTSC composite/PAL signals accepted automatically



PVM-14L2 / PVM-20L2

- New slot structure allows easy installation of input decoders
- 600 TV lines provide crisp, clear images
- Optional adapters for SDI, SDTI, and IEEE 1394 inputs
- SDI and SDTI embedded audio can be decoded with optional adapters
- Automatic detection of composite signal (NTSC or PAL)
- Auto/Chroma phase setup
- Beam current feedback circuit inhibits white balance drift



Professional CRT Monitors

The professional line of Sony CRT monitors provides high quality pictures and accurate and stable color reproduction.

Models in this series provide a wide range of picture sizes and functions to address the diverse needs of the industry.

PVM-14L1 / PVM-20L1

- High resolution CRT with 600 TV lines resolution
- Automatic detection of composite signal (NTSC or PAL)
- Beam current feedback circuit for color balance stability
- Digital comb filter
- 6 language on screen display
- Loop through composite and Y/C video inputs
- Switchable aspect ratio 4:3/16:9



PVM-9L3

- High resolution CRT with 450 TV lines resolution
- New slot structure allows easy installation of input decoders
- Optional adapters for SDI, SDTI, IEEE 1394 or analog component inputs
- Automatic detection of composite signals (NTSC or PAL)
- Can be mounted side by side in a 19" EIA standard rack with optional bracket
- Compatible with Sony BP series batteries for DC operation
- Switchable aspect ratio 4:3/16:9



PVM-9L2

- New slot structure allows easy installation of input decoders
- New on screen menu system
- Optional adapters for SDI, SDTI, and IEEE 1394 inputs
- SDI and SDTI embedded audio can be decoded with optional adapter
- Automatic detection of composite signal (NTSC or PAL)
- Beam current feedback circuit inhibits white balance drift
- Can be powered by battery, external 12V DC or 120V AC
- Monitors can be mounted side by side in optional 19" EIA standard rack



Standard Definition Broadcast Monitors



PVM-9L1

- High resolution CRT with 250 TV lines resolution
- Automatic detection of composite signal (NTSC or PAL)
- 4:3/16:9 capability
- 6 language on screen display
- Monitors can be mounted side by side in optional 19" EIA standard rack
- Composite video and Y/C inputs



PVM-136 / PVM-96

- Utilizes D65 phosphor
- 1000 TV lines (PVM-136) / 900 TV lines (PVM-96)
- Underscan function to display entire active picture
- H/V delay to display horizontal/vertical intervals on screen center
- Switchable aspect ratio 4:3/16:9
- Built-in speaker for audio monitoring
- External sync for synchronization with other system equipment



PVM-137 / PVM-97

- 1000 TV lines (PVM-137) / 900 TV lines (PVM-97)
- Highly reliable black/white monitor
- Underscan function to display entire active picture
- Built-in speaker for audio monitoring
- External sync for synchronization with other equipment
- Metal cabinet to minimize signal interference



Standard Definition Broadcast Monitors

Sony's broadcast and production monitors are carefully balanced combinations of features, performance, and styles offering versatility and value for video production and high performance monitoring applications. All color monitors incorporate Sony's Trinitron® CRT for excellent image quality.

BVM-20F1U / BVM-14F1U / BVM-14F5U

- 900 TV lines (BVM-20F1U)
800 TV lines (BVM-14F1U & BVM-14F5U)
- HR Trinitron CRT with SMPTE-C phosphors
- Built-in auto alignment system for easy monitor set-up
- Optional decoder adapters / four option slots in rear panel
- Beam current feedback circuit for color stability
- Y/R-Y/B-Y/RGB inputs included
- Rack mountable into a 19" EIA standard rack





LUMA™

Sony Professional LCD Monitor

LMD-170WS / LMD-230WS

- 17/23 inch LCD video monitors (viewable area measured diagonally)
- New two piece design
- Panel can be mounted up to ten meters from controls
- High resolution IPS LCD Panel offering twist speeds that allow display of HD
- Displays 1080i, 1080/24Psf, 720P, 480P, 480i, and NTSC
- Knob controls for contrast, brightness, phase and saturation
- Two option slots
- Option cards include SDI, HDSDI, and IEEE 1394 decoders



Professional LCD Monitors

Sony Luma™ monitors raise LCD performance to professional standards; combining production monitor features and performance with the benefits of LCD technology. The line-up includes multi-format displays with a unique two-piece design and multi-monitor packages for simple confidence monitoring.

LMD-320WS

- Large widescreen 32 inch LCD video monitor (viewable area measured diagonally)
- Multi-format – displays 1080i, 1080/24Psf, 720P, 480P, 480i, and NTSC
- Two piece design – panel can be mounted up to 10 meters from controls
- Two option slots
- Option cards include SDI, HDSDI, and IEEE 1394 decoders
- Optional floor stand
- Production monitor features and functions



Available
Fall 2004

LMD-210S

- 21 inch 4:3 LCD video monitor (viewable area measured diagonally)
- Multi-format – displays 1080i, 1080/24Psf, 720P, 480P, 480i, and NTSC
- High brightness and high contrast IPS LCD panel
- Two piece design – panel can be mounted up to 10 meters from controls
- Production monitor features and functions
- Two option slots
- Option cards include SDI, HDSDI, and IEEE 1394 decoders



Available
Fall 2004

LMD-440

- 4 X 4 inch LCD panel kit (viewable area measured diagonally)
- High resolution STN LCD panels
- 2 RU high cabinet
- Low power consumption, shallow depth, and low heat generation
- Offers optional SDI input cards that can be added at any time



LMD-530

- 3 X 5.6 inch LCD panel kit (viewable area measured diagonally)
- High resolution STN LCD panels
- 3 RU high cabinet
- Low power consumption, shallow depth, and low heat generation
- Offers optional SDI input cards that can be added at any time



LMD-650

- 6.5 inch screen (viewable area measured diagonally)
- NTSC/PAL/black/white
- Standard tripod screws on all four sides allow versatile field mounting
- Operates on 120V AC, 12V DC or battery
- Sun hood included
- Rack mountable with optional rack kit



LMD-720W

- 2 X 7 inch 16:9 LCD panel kit (viewable area measured diagonally)
- High resolution STN LCD panels
- 3 RU high cabinet
- Low power consumption, shallow depth, and low heat generation
- Offers optional SDI input cards that can be added at any time



Specifications



**E Cinema/1080
Production**

E Cinema/1080



Model	BVM-F24U
Application	Evaluation
CRT Size	24 inch 16 X 9 FD
Viewable Area Measured Diagonally	22.5"
Video System	1080/24P-1080/24Psf-1080/60P-1080i
Resolution (4:3/16:9)	1000 TV Lines
Phosphor	SMPTE-C
Color Temperature	D65, User w/Automatics
Composite Video Input	No
Y/C Input/Output	No
Analog RGB Input/Output	1
Y Pb Pr Input/Output	No
Computer Input	Yes (BNC)
External Sync Input/Output	Yes
Audio Input/Output	No
Underscan	Yes
Blue Only	Yes
H/V Delay	Yes
4:3 Capability	Yes
16:9 Capability	Yes
Manual Degauss	Yes
Dual Link HD 4:4:4	Yes (included)
SDI Interface	No
HDSDI Interface	Yes (included)
SDI with Audio Decoding	No
i.LINK® Interface	No
Beam Landing Correction	Yes
Digital Uniformity	Yes
Digital Convergence	Yes
Remote Control Terminal	9 Pin RS 485
Rack Mount	—
Power Requirements	AC 100 to 120V/220 to 240V 50/60Hz
Power Consumption	250W
Dimensions (inches)	22 ³ / ₈ W X 17 ¹ / ₄ H X 24 ¹ / ₈ D
Weight	119 lbs

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Multi-Format

Multi-Format Broadcast Monitors



Models	BVM-D32E1WU	BVM-D24E1WU	BVM-D20F1U
Application	Evaluation	Evaluation	Evaluation
CRT Size	32 inch 16 X 9 FD	24 inch 16 X 9 FD	20 inch 4 X 3
Viewable Area Measured Diagonally	29.5"	22.5"	19"
Video System	1080/24Psf – 1080i – 720P – 480P – 480i	1080/24Psf – 1080i – 720P – 480P – 480i	1080/24Psf – 1080i – 720P – 480P – 480i
Resolution (4:3/16:9)	1000 TV Lines	1000 TV Lines	900/700 TV Lines
Phosphor	SMPTE-C	SMPTE-C	SMPTE-C
Color Temperature	D65, User w/Automatics	D65, User w/Automatics	D65, User w/Automatics
Composite Video Input	BKM-24N, 25P, 27T	BKM-24N, 25P, 27T	BKM-24N, 25P, 27T
Y/C Input/Output	BKM-24N, 25P, 27T	BKM-24N, 25P, 27T	BKM-24N, 25P, 27T
Analog RGB Input/Output	1 included, 9 w/BKM-48X	1 included, 9 w/BKM-48X	1 included, 9 w/BKM-48X
Y Pb Pr Input/Output	1 included, 9 w/BKM-48X	1 included, 9 w/BKM-48X	1 included, 9 w/BKM-48X
Computer Input	No	No	No
External Sync Input/Output	Yes	Yes	Yes
Audio Input/Output	No	No	No
Underscan	Yes	Yes	Yes
Blue Only	Yes	Yes	Yes
H/V Delay	Yes	Yes	Yes
4:3 Capability	Yes	Yes	Yes
16:9 Capability	Yes	Yes	Yes
Manual Degauss	Yes	Yes	Yes
Dual Link HD 4:4:4	No	No	No
SDI Interface	BKM-20D/BKM-21D	BKM-20D/BKM-21D	BKM-20D/BKM-21D
HDSDI Interface	BKM-41HD/BKM-42HD	BKM-41HD/BKM-42HD	BKM-41HD/BKM-42HD
SDI with Audio Decoding	No	No	No
i.LINK Interface	No	No	No
Beam Landing Correction	Yes	Yes	No
Digital Uniformity	Yes	Yes	No
Digital Convergence	Yes	No	No
Remote Control Terminal	9 Pin RS 485	9 Pin RS 485	9 Pin RS 485
Rack Mount	—	—	BKM-30E20
Power Requirements	AC 100 to 120V/220 to 240V 50/60Hz	AC 100 to 120V/220 to 240V 50/60Hz	AC 100 to 120V/220 to 240V 50/60Hz
Power Consumption	300W	250W	180W
Dimensions (inches)	31 ³ / ₈ W X 22 H X 27 ³ / ₈ D	22 ³ / ₈ W X 17 ¹ / ₄ H X 23 ¹ / ₈ D	17 ¹ / ₂ W X 16 ³ / ₈ H X 22 ¹ / ₂ D
Weight	206 lbs / 13 oz	112 lbs / 3 oz	83 lbs / 10 oz

Specifications

Multi-Format (cont.) Broadcast Monitors



Models	BVM-D14H1U	BVM-D14H5U	BVM-D9H1U	BVM-D9H5U
Application	Viewing	Viewing	Viewing	Viewing
CRT Size	14 inch 4 X 3	14 inch 4 X 3	9 inch 4 X 3	9 inch 4 X 3
Viewable Area Measured Diagonally	13"	13"	8"	8"
Video System	1080/24Psf-1080i-720P-480P-480i	1080/24Psf-1080i-720P-480P-480i	1080/24Psf-1080i-720P-480P-480i	1080/24Psf-1080i-720P-480P-480i
Resolution (4:3/16:9)	800/600 TV Lines	800/600 TV Lines	450/340 TV Lines	450/340 TV Lines
Phosphor	SMPTE-C	SMPTE-C	P22	P22
Color Temperature	D65, User w/Automatics	D65, User w/Automatics	D65, User w/Automatics	D65, User w/Automatics
Composite Video Input	BKM-127W	BKM-127W	BKM-127W	BKM-127W
Y/C Input/Output	1	1	1	1
Analog RGB Input/Output	1 included, 3 w/BKM-129X	1 included, 3 w/BKM-129X	1 included, 3 w/BKM-129X	1 included, 3 w/BKM-129X
Y Pb Pr Input/Output	1 included, 3 w/BKM-129X	1 included, 3 w/BKM-129X	1 included, 3 w/BKM-129X	1 included, 3 w/BKM-129X
Computer Input	No	No	No	No
External Sync Input/Output	Yes	Yes	Yes	Yes
Audio Input/Output	No	No	No	3
Underscan	Yes	Yes	Yes	Yes
Blue Only	Yes	Yes	Yes	Yes
H/V Delay	Yes	Yes	Yes	Yes
4:3 Capability	Yes	Yes	Yes	Yes
16:9 Capability	Yes	Yes	Yes	Yes
Manual Degauss	Yes	Yes	Yes	Yes
Dual Link HD 4:4:4	No	No	No	No
SDI Interface	BKM-120D	BKM-120D	BKM-120D	BKM-120D
HDSDI Interface	BKM-142HD	BKM-142HD	BKM-142HD	BKM-142HD
SDI with Audio Decoding	No	No	No	No
i.LINK Interface	No	No	No	No
Beam Landing Correction	No	No	No	No
Digital Uniformity	No	No	No	No
Digital Convergence	No	No	No	No
Remote Control Terminal	9 Pin RS 485	9 Pin RS 485	9 Pin RS 485/422	9 Pin RS 485
Rack Mount	BKM-31E14	BKM-30E14	MB-520	MB-520
Power Requirements	AC 100 to 120V/220 to 240V 50/60Hz	AC 100 to 120V/220 to 240V 50/60Hz	AC 100 to 120V/220 to 240V 50/60Hz	AC 100 to 120V/220 to 240V 50/60Hz
Power Consumption	115W	115W	85W	85W
Dimensions (inches)	13 ⁵ / ₈ W X 11 ¹ / ₈ H X 20 ¹ / ₂ D	19 W X 11 ¹ / ₈ H X 22 ¹ / ₄ D	8 ⁵ / ₈ W X 6 ⁷ / ₈ H X 14 ³ / ₈ D	8 ⁵ / ₈ W X 8 ⁵ / ₈ H X 15 D
Weight	46 lbs / 3 oz	50 lbs / 10 oz	17 lbs / 13 oz	20 lbs / 7 oz

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Professional CRT Monitors



Models	PVM-14L5/1	PVM-20L5/1
Application	Viewing	Viewing
CRT Size	14 inch 4 X 3	20 inch 4 X 3
Viewable Area Measured Diagonally	13"	19"
Video System	1080/24Psf - 1080i - 1035i - 720P - 480P - 480i	1080/24Psf - 1080i - 1035i - 720P - 480P - 480i
Resolution	800 TV Lines	800 TV Lines
Phosphor	SMPTE-C	SMPTE-C
Color Temperature	D65/D93, User adjustable	D65/D93, User adjustable
Composite Video Input	2 with loop thru	2 with loop thru
Y/C Input/Output	1 with loop thru	1 with loop thru
Analog RGB Input/Output	1 with loop thru (switchable RGB/Component)	1 with loop thru (switchable RGB/Component)
Component Input/Output	1 with loop thru (switchable RGB/Component)	1 with loop thru (switchable RGB/Component)
Computer Input	No	No
External Sync Input/Output	Yes	Yes
Audio Input/Output	3	3
Underscan	Yes	Yes
Blue Only	Yes	Yes
H/V Delay	Yes	Yes
16:9 Capability	Yes	Yes
Manual Degauss	Yes	Yes
SDI Interface	BKM-120D	BKM-120D
SDI with Audio Decoding	BKM-150CP	BKM-150CP
i.LINK Interface	BKM-155DV	BKM-155DV
HDSDI Interface	BKM-142HD	BKM-142HD
Remote Control Terminal	8 Pin Parallel, 9 Pin RS 485	8 Pin Parallel, 9 Pin RS 485
Rack Mount	MB-521	SLR-104
Power Requirements	AC 100 to 120V/220 to 240V 50/60Hz	AC 100 to 120V/220 to 240V 50/60Hz
Power Consumption	120W	140W
Dimensions (inches)	13 ⁵ / ₈ W X 11 ¹ / ₈ H X 16 ³ / ₄ D	17 ⁷ / ₈ W X 16 ³ / ₈ H X 19 ³ / ₄ D
Weight	37 lbs / 8oz	68 lbs / 5oz

Specifications

Professional CRT Monitors (cont.)



Models	PVM-14L2	PVM-20L2	PVM-14L1
Application	Viewing	Viewing	General
CRT Size	14 inch 4 X 3	20 inch 4 X 3	14 inch 4 X 3
Viewable Area Measured Diagonally	13"	19"	13"
Video System	PAL and NTSC	PAL and NTSC	PAL and NTSC
Resolution	600 TV Lines	600 TV Lines	600 TV Lines
Phosphor	P22	P22	P22
Color Temperature	D65/D93, User adjustable	D65/D93, User adjustable	D65/D93, User adjustable
Composite Video Input	2 with loop thru	2 with loop thru	2
Y/C Input/Output	1 with loop thru	1 with loop thru	2
Analog RGB Input/Output	1 with loop thru (switchable RGB/Component)	1 with loop thru (switchable RGB/Component)	No
Component Input/Output	1 with loop thru (switchable RGB/Component)	1 with loop thru (switchable RGB/Component)	No
Computer Input	No	No	No
External Sync Input/Output	Yes	Yes	No
Audio Input/Output	3	3	2
Underscan	Yes	Yes	No
Blue Only	Yes	Yes	No
H/V Delay	No	No	No
16:9 Capability	Yes	Yes	Yes
Manual Degauss	Yes	Yes	No
SDI Interface	BKM-120D	BKM-120D	No
SDI with Audio Decoding	BKM-150CP	BKM-150CP	No
i.LINK Interface	BKM-155DV	BKM-155DV	No
HDSDI Interface	No	No	No
Remote Control Terminal	RJ 45 Connector	RJ 45 Connector	RJ 45 Connector
Rack Mount	MB-502B	SLR-103	MB-502B
Power Requirements	AC 100 to 240V, 50/60Hz	AC 100 to 240V, 50/60Hz	AC 100 to 240V, 50/60Hz
Power Consumption	75W	98W	68W
Dimensions (inches)	13 ⁵ / ₈ W X 13 ¹ / ₂ H X 17 D	17 ⁷ / ₈ W X 18 ¹ / ₄ H X 20 ⁷ / ₈ D	13 ⁵ / ₈ W X 13 ¹ / ₂ H X 16 ³ / ₈ D
Weight	39 lbs / 11oz	72 lbs / 12oz	33 lbs / 1oz



SONY CRT Monitors



PVM-20L1	PVM-9L3	PVM-9L2	PVM-9L1
General	Viewing, Portable	Viewing, Portable	Viewing
20 inch 4 X 3	9 inch 4 X 3	9 inch 4 X 3	9 inch 4 X 3
19"	8"	8"	8"
PAL and NTSC	PAL and NTSC	PAL and NTSC	PAL and NTSC
600 TV Lines	450 TV Lines	250 TV Lines	250 TV Lines
P22	P22	P22	P22
D65/D93, User adjustable	D65/D93, User adjustable	D65/D93, User adjustable	D65/D93, User adjustable
2	2 with loop thru	2	1
2	1	1	1
No	BKM-129X	BKM-129X	No
No	BKM-129X	BKM-129X	No
No	No	No	No
No	Yes	Yes	No
2	3	2	1
No	Yes	Yes	No
No	Yes	Yes	No
No	No	No	No
Yes	Yes	Yes	Yes
No	Yes	Yes	No
No	BKM-120D	BKM-120D	No
No	BKM-150CP	BKM-150CP	No
No	BKM-155DV	BKM-155DV	No
No	No	No	No
RJ 45 Connector	RJ 45 Connector	RJ 45 Connector	RJ 45 Connector
SLR-103A slide rail kit	MB-520	MB-520	MB-520
AC 100 to 240V, 50/60Hz	AC 100 to 240V, 50/60Hz	AC 100 to 240V, 50/60Hz	AC 100 to 240V, 50/60Hz
75W	AC: 47W, DC: 38W	AC: 47W, DC: 38W	40W
17 ³ / ₄ W X 17 ³ / ₈ H X 19 ⁷ / ₈ D	8 ⁵ / ₈ W X 8 ⁵ / ₈ H X 14 ³ / ₄ D	8 ⁵ / ₈ W X 8 ⁵ / ₈ H X 14 ³ / ₄ D	8 ⁵ / ₈ W X 8 ⁵ / ₈ H X 13 ⁷ / ₈ D
61 lbs / 12oz	17 lbs / 10oz	17 lbs / 10oz	13 lbs / 14oz



Specifications

Professional CRT Monitors (cont.)



Models	PVM-136	PVM-96	PVM-137	PVM-97
Application	Viewing	Viewing	Viewing	Viewing
CRT Size	14 inch 4 X 3	9 inch 4 X 3	13 inch 4 X 3	9 inch 4 X 3
Viewable Area Measured Diagonally	13"	9"	13"	9"
Video System	B&W 525/625	B&W 525/625	B&W 525/625	B&W 525/625
Resolution	1000 TV Lines	900 TV Lines	1000 TV Lines	900 TV Lines
Phosphor	P22	P22	P22	P22
Color Temperature	6500K	6500K	9300K	9300K
Composite Video Input	2	2	2	2
Y/C Input/Output	No	No	No	No
Analog RGB Input/Output	No	No	No	No
Component Input/Output	No	No	No	No
Computer Input	No	No	No	No
External Sync Input/Output	Yes	Yes	Yes	Yes
Audio Input/Output	2	2	2	2
Underscan	Yes	Yes	No	No
Blue Only	No	No	No	No
H/V Delay	Yes	Yes	No	No
16:9 Capability	Yes	Yes	No	No
Manual Degauss	No	No	No	No
SDI Interface	No	No	No	No
SDI with Audio Decoding	No	No	No	No
i.LINK Interface	No	No	No	No
HDSDI Interface	No	No	No	No
Remote Control Terminal	8 Pin Parallel	8 Pin Parallel	8 Pin Parallel	8 Pin Parallel
Rack Mount	MB-502B	MB-520	MB-502B	MB-520
Power Requirements	AC 100 to 240V, 50/60Hz	AC 100 to 240V, 50/60Hz	AC 100 to 240V, 50/60Hz	AC 100 to 240V, 50/60Hz
Power Consumption	30W	28W	30W (max)	28W (max)
Dimensions (inches)	13 ⁵ / ₈ W X 13 ¹ / ₂ H X 13 D	8 ⁵ / ₈ W X 8 ⁵ / ₈ H X 9 ⁷ / ₈ D	13 ⁵ / ₈ W X 13 ¹ / ₂ H X 13 D	8 ⁵ / ₈ W X 8 ⁵ / ₈ H X 9 ⁷ / ₈ D
Weight	24 lbs / 4oz	12 lbs / 2oz	24 lbs / 4oz	12 lbs / 2oz

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Standard Definition Broadcast Monitors



Models	BVM-20F1U	BVM-14F1U	BVM-14F5U
Application	Production	Production	Production
CRT Size	20 inch 4 X 3	14 inch 4 X 3	14 inch 4 X 3
Viewable Area Measured Diagonally	19"	13"	13"
Video System	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM
Resolution	900 TV Lines	800 TV Lines	800 TV Lines
Phosphor	SMPTE-C	SMPTE-C	SMPTE-C
Color Temperature	D65, User w/Automatics	D65, User w/Automatics	D65, User w/Automatics
Composite Video Input/Output	BKM-24N/BKM-27T	BKM-24N/BKM-27T	BKM-24N/BKM-27T
Y/C Input/Output	BKM-24N/BKM-27T	BKM-24N/BKM-27T	BKM-24N/BKM-27T
Analog RGB Input/Output	1 included, 9 w/options	1 included, 7 w/options	1 included, 9 w/options
Y Pb Pr Input/Output	1 included, 9 w/options	1 included, 7 w/options	1 included, 9 w/options
Computer Input	No	No	No
External Sync Input/Output	Yes	Yes	Yes
Audio Input/Output	No	No	No
Underscan	Yes	Yes	Yes
Blue Only	Yes	Yes	Yes
H/V Delay	Yes	Yes	Yes
4:3 Capability	Yes	Yes	Yes
16:9 Capability	Yes	Yes	Yes
Manual Degauss	Yes	Yes	Yes
Dual Link HD 4:4:4	No	No	No
SDI Interface	BKM-20D/BKM-21D	BKM-20D/BKM-21D	BKM-20D/BKM-21D
HDSDI Interface	No	No	No
SDI with Audio Decoding	No	No	No
i.LINK Interface	No	No	No
Beam Landing Correction	No	No	No
Digital Uniformity	No	No	No
Digital Convergence	No	No	No
Remote Control Terminal	9 PIN RS 485	9 PIN RS 485	9 PIN RS 485
Rack Mount	BKM-30E20	BKM-31E14	BKM-30E14
Power Requirements	AC 100 to 120V/220 to 240V, 50/60Hz	AC 100 to 120V/220 to 240V, 50/60Hz	AC 100 to 120V/220 to 240V, 50/60Hz
Power Consumption	165W	130W	130W
Dimensions (inches)	17 1/2 W X 16 3/8 H X 22 1/2 D	13 5/8 W X 11 1/8 H X 20 7/8 D	19 W X 11 1/8 H X 20 7/8 D
Weight	83 lbs / 10oz	50 lbs / 11oz	57 lbs

Specifications

Professional LCD Monitors



Models	LMD-170WS	LMD-230WS
Application	Viewing	Viewing
Size/Display Technology	17 inch LCD	23 inch LCD
Viewable Area Measured Diagonally	17"	23"
Video System	1080/24Psf - 1080i - 1035i - 720P - 480P - 480i	1080/24Psf - 1080i - 1035i - 720P - 480P - 480i
Acceptable Computer System	VGA to WXGA	VGA to WXGA
Resolution	1280 X 768	1280 X 768
Color Temperature	Selectable	Selectable
Composite Video Input/Output	1	1
Y/C Input/Output	1	1
Analog RGB Input/Output	1	1
Component Input/Output	1	1
Computer Inputs	1	1
External Sync Input/Output	Yes	Yes
Audio Input/Output	2	2
Overscan	Yes	Yes
Blue Only	Yes	Yes
H/V Delay	Yes	Yes
16:9 Capability	Yes	Yes
SDI Interface	BKM-220D	BKM-220D
SDI with Audio Decoding	BKM-220D	BKM-220D
i.LINK Interface	BKM-255DV	BKM-255DV
HDSDI Interface	BKM-243HS	BKM-243HS
Remote Control Terminal	RJ 45	RJ 45
Rack Mount	MB-522	No
Power Requirements	AC 100 to 120V/220 to 240V, 50/60Hz	AC 100 to 120V/220 to 240V, 50/60Hz
Power Consumption	65W	105W
Dimensions (inches)	17 ³ / ₄ W X 11 ⁷ / ₈ H X 3 ¹ / ₄ D	23 ¹ / ₄ W X 15 ⁵ / ₈ H X 4 D
Weight	20 lbs / 12oz	24 lbs / 8oz



LUMA™
Sony Professional LCD Monitor

Professional LCD Monitors



LMD-320WS*	LMD-210S*
Viewing	Viewing
32 inch LCD	21 inch LCD
32"	21"
1080/24Psf - 1080i - 1035i - 720P - 480P - 480i	1080/24Psf - 1080i - 1035i - 720P - 480P - 480i
VGA to WXGA	VGA to XGA
1280 X 768	1024 X 768
Selectable	Selectable
1	1
1	1
1	1
1	1
1	1
Yes	Yes
2	2
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
BKM-220D	BKM-220D
BKM-220D	BKM-220D
BKM-255DV	BKM-255DV
BKM-243HS	BKM-243HS
RJ 45	RJ 45
No	MB-523
AC 100 to 120V/220 to 240V, 50/60Hz	AC 100 to 120V/220 to 240V, 50/60Hz
approx. 176W	approx. 96W
approx. 31 1/2 W X 19 3/4 H X 3 7/8 D	approx. 20 1/2 W X 15 5/8 H X 3 1/8 D
approx. 53 lbs	approx. 23 lbs

* Available Fall 2004

Specifications

Professional LCD Monitors (cont.)



Models	LMD-440	LMD-530
Application	Viewing	Viewing
Size/Display Technology	4 inch X 4 unit LCD	5.6 inch X 3 unit LCD
Viewable Area Measured Diagonally	4"	5.6"
Video System	PAL and NTSC	PAL and NTSC
Acceptable Computer System	No	No
Resolution	480 X 234	320 X 234
Color Temperature	Native	Native
Composite Video Input/Output	1 X 4	1 X 3
Y/C Input/Output	No	No
Analog RGB Input/Output	No	No
Component Input/Output	No	No
Computer Inputs	No	No
External Sync Input/Output	No	No
Audio Input/Output	No	No
Overscan	No	No
Blue Only	No	No
H/V Delay	No	No
16:9 Capability	No	No
SDI Interface	BKM-320D	BKM-320D
SDI with Audio Decoding	No	No
i.LINK Interface	No	No
HDSDI Interface	No	No
Remote Control Terminal	No	No
Rack Mount	Included	Included
Power Requirements	AC 100 to 120V/220, 50/60Hz	AC 100 to 120V/220, 50/60Hz
Power Consumption	18W	22W
Dimensions (inches)	19 W X 3 1/2 H X 2 D	19 W X 5 1/4 H X 2 D
Weight	4 lbs / 3oz	5 lbs / 8oz



LUMA™
Sony Professional LCD Monitor

Professional LCD Monitors



LMD-650	LMD-720W
Viewing, Portable	Viewing
6.5 inch LCD	7 inch X 2 unit LCD
6.5"	7"
PAL and NTSC	PAL and NTSC
No	No
640 X 480	480 X 234
Native	Native
1	1 X 2
1	No
No	No
No	No
No	No
No	No
1	No
No	No
No	No
No	No
Yes	Yes
No	BKM-320D
No	No
No	No
No	No
No	No
MB-506	Included
12V (AC adapter supplied)	AC 100 to 120V/220, 50/60Hz
12W	18W
8 5/8 W X 5 3/8 H X 2 1/4 D	19 W X 5 1/4 H X 2 D
2 lbs / 5oz	5 lbs / 1oz



Monitor Options

Model	Control Panel	Control Panel Attachment Kit	Hand Held Control Panel	Memory Card	Light Probe	4:2:2 Input	4:2:2/4fsc	MPEG2	DV	HDS DI
BVM-14F1U	BKM-10R	MB-510G//A	BKM-11R	BKM-12Y/US	BKM-14L	BKM-20D	BKM-21D			
BVM-14F5U			BKM-11R	BKM-12Y/US	BKM-14L	BKM-20D	BKM-21D			
BVM-20F1U	BKM-10R	BKM-32H	BKM-11R	BKM-12Y/US	BKM-14L	BKM-20D	BKM-21D			
BVM-D14H1U	BKM-10R	MB-510G//A	BKM-11R	BKM-12Y/US	BKM-14L	BKM-120D		BKM-150CP		BKM-142HD
BVM-D14H5U			BKM-11R	BKM-12Y/US	BKM-14L	BKM-120D		BKM-150CP		BKM-142HD
BVM-D20F1U	BKM-10R	BKM-32H	BKM-11R	BKM-12Y/US	BKM-14L	BKM-20D	BKM-21D			BKM-41HD
BVM-D24E1WU	BKM-10R	BKM-34H	BKM-11R	BKM-12Y/US	BKM-14L	BKM-20D	BKM-21D			BKM-41HD
BVM-D32E1WU	BKM-10R		BKM-11R	BKM-12Y/US	BKM-14L	BKM-20D	BKM-21D			BKM-41HD
BVM-D9H1U		MB-510G//A	BKM-11R	BKM-12Y/US	BKM-14L	BKM-120D		BKM-150CP		BKM-142HD
BVM-D9H5U			BKM-11R	BKM-12Y/US	BKM-14L	BKM-120D		BKM-150CP		BKM-142HD
BVM-F24U	BKM-10R	BKM-34H	BKM-11R	BKM-12Y/US	BKM-14L					Included
LMD-170WS	Included					BKM-220D			BKM-255DV	BKM-243HS
LMD-210S	Included					BKM-220D			BKM-255DV	BKM-243HS
LMD-230WS	Included					BKM-220D			BKM-255DV	BKM-243HS
LMD-320WS	Included					BKM-220D			BKM-255DV	BKM-243HS
LMD-440						BKM-320D				
LMD-530						BKM-320D				
LMD-650										
LMD-720W						BKM-320D				
PVM-14L1										
PVM-14L2						BKM-120D		BKM-150CP	BKM-155DV	
PVM-14L5/1						BKM-120D		BKM-150CP	BKM-155DV	BKM-142HD
PVM-20L1										
PVM-20L2						BKM-120D		BKM-150CP	BKM-155DV	
PVM-20L5/1						BKM-120D		BKM-150CP	BKM-155DV	BKM-142HD
PVM-9L1										
PVM-9L2						BKM-120D		BKM-150CP	BKM-155DV	
PVM-9L3						BKM-120D		BKM-150CP	BKM-155DV	

Monitor Options

Digital Input Extender	Analog Input Extender	Differential Input Extender	NTSC Decoder	PAL Decoder	Multi Decoder SECAM	Rack Kit	Blank Panel	Slide Kit	16:9 Bezel	Table Stand	ENG Hood
BKM-22X	BKM-28X	BKM-48X	BKM-24N	BKM-25P	BKM-27T	BKM-31E14			BKM-33H14		
BKM-22X	BKM-28X	BKM-48X	BKM-24N	BKM-25P	BKM-27T	BKM-30E14			BKM-33H14		
BKM-22X	BKM-28X	BKM-48X	BKM-24N	BKM-25P	BKM-27T	BKM-30E20			BKM-33H20		
	BKM-129X		BKM-127W	BKM-127W	BKM-127W	BKM-31E14			Included		
	BKM-129X		BKM-127W	BKM-127W	BKM-127W	BKM-30E14			Included		
BKM-22X	BKM-28X	BKM-48X	BKM-24N	BKM-25P	BKM-27T	BKM-30E20			Included		
BKM-22X	BKM-28X	BKM-48X	BKM-24N	BKM-25P	BKM-27T						
BKM-22X	BKM-28X	BKM-48X	BKM-24N	BKM-25P	BKM-27T						
	BKM-129X		BKM-127W	BKM-127W	BKM-127W	MB-520	MB-519		Included		VF-508
	BKM-129X		BKM-127W	BKM-127W	BKM-127W	MB-520	MB-509		Included		VF-508
						MB-522				SU-558	
						MB-523				SU-558	
										SU-558	
						Included					
						Included					
						MB-506					
						Included					
						MB-502B		SLR-102			
	BKM-129X					MB-502B		SLR-102			
	BKM-129X					MB-521			BKM-140M		
								SLR-103A			
	BKM-129X							SLR-103A			
	BKM-129X							SLR-104	BKM-200M		
						MB-520	MB-509				
	BKM-129X					MB-520	MB-509				VF-508
	BKM-129X					MB-520	MB-509				VF-508

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