

# SONY



Professional Monitor Pocket Guide

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# MULTIFORMAT BROADCAST CRT MONITORS

## BVM-A SERIES

### BVM-A32E1WM

- 32-inch Flat 16:9 HR Trinitron, EBU Phosphors, 1000 TV lines
- Multi format signal support
- Dual link HD-SDI
- Auto white balance
- Digital uniformity & convergence
- Optional input boards
- Separate control unit with Memory Stick slot
- Ethernet based remote control
- SNMP remote maintenance



### BVM-A20F1M

- 20-inch HR Trinitron, EBU Phosphors, 900 TV lines
- Multi format signal support
- Dual link HD-SDI
- Auto white balance
- Digital uniformity
- Optional input boards
- Separate control unit with Memory Stick slot
- Ethernet based remote control
- SNMP remote maintenance



### BVM-A14F5M

- 14-inch HR Trinitron, EBU Phosphors, 800 TV lines
- Multi format signal support
- Dual link HD-SDI
- Auto white balance
- Digital uniformity
- Optional input boards
- Separate control unit with Memory Stick slot
- Ethernet based remote control
- SNMP remote maintenance



## LMD SERIES (2-PIECE)

### LMD-322W + MEU-WX2 **Silver Support**

- 32-inch WXGA wide screen LCD panel
- Separate LCD panel and video processor
- Versatile video and computer inputs
- Multi format SD/HD video inputs
- Compact, slim and lightweight LCD panel
- X-Algorithm & ChromaTru processing
- Low power consumption
- Parallel remote function



LMD-322W with SU-559

### LMD-232W + MEU-WX2 **Silver Support**

- 23-inch WXGA wide screen LCD panel
- Separate LCD panel and video processor
- Versatile video and computer inputs
- Multi format SD/HD video inputs
- Compact, slim and lightweight LCD panel
- X-Algorithm & ChromaTru processing
- Low power consumption
- Parallel remote function



## LMD-212 + MEU-WX2

Silver Support

- 21-inch XGA LCD panel
- Separate LCD panel and video processor
- Versatile video and computer inputs
- Multi format SD/HD video inputs
- Compact, slim and lightweight LCD panel
- X-Algorithm & ChromaTru processing
- Low power consumption
- Parallel remote function



## LMD-172W + MEU-WX2

Silver Support

- 17-inch WXGA wide screen LCD panel
- Separate LCD panel and video processor
- Versatile video and computer inputs
- Multi format SD/HD video inputs
- Compact, slim and lightweight LCD panel
- X-Algorithm & ChromaTru processing
- Low power consumption
- Parallel remote function



## LMD-152 + MEU-WX2

Silver Support

- 15-inch XGA LCD panel
- Separate LCD panel and video processor
- Versatile video and computer inputs
- Multi format SD/HD video inputs
- Compact, slim and lightweight LCD panel
- X-Algorithm & ChromaTru processing
- Low power consumption
- Parallel remote function



## LMD SERIES (1-PIECE)

### LMD-2020

- 20-inch VGA LCD panel
- Wide viewing angle 170 degrees
- PAL/NTSC, Y/C, component/RGB inputs
- Optional SDI input decoder
- Selectable 16:9 and 4:3 aspect ratio
- Enhanced production features
- Parallel remote function
- Optional Rack Mount kit

**Silver Support**



### LMD-1420

- 14-inch VGA LCD panel
- Wide viewing angle 170 degrees
- PAL/NTSC, Y/C, component/RGB inputs
- Optional SDI input decoder
- Selectable 16:9 and 4:3 aspect ratio
- Enhanced production features
- Parallel remote function
- Optional Rack Mount kit

**Silver Support**



## LMD-2010

- 20-inch VGA LCD panel
- Wide viewing angle 170 degrees
- PAL/NTSC, Y/C, component/RGB inputs
- Selectable 16:9 and 4:3 aspect ratio
- Entry level production features
- Parallel remote function
- Optional Rack Mount kit

**Silver Support**



## LMD-1410

- 14-inch VGA LCD panel
- Wide viewing angle 170 degrees
- PAL/NTSC, Y/C, component/RGB inputs
- Selectable 16:9 and 4:3 aspect ratio
- Entry level production features
- Parallel remote function
- Optional Rack Mount kit

**Silver Support**



# FIELD LCD MONITORS

## LMD SERIES (1-PIECE)

### LMD-9050

**Silver Support**

- 8.4-inch XGA LCD panel
- Multi format SD/HD video inputs
- Analogue & HD/SD-SDI input standard
- AC/DC and battery operation
- Enhanced production features
- Optional ENG kit
- Optional dual LCD Rack Mount kit



### LMD-9030

**Silver Support**

- 8.4-inch VGA LCD panel
- Analogue & SD-SDI input standard
- Analogue HD component input
- AC/DC and battery operation
- Enhanced production features
- Optional ENG kit
- Optional dual LCD Rack Mount kit



### LMD-9020

**Silver Support**

- 8.4-inch VGA LCD panel
- Verstatile analogue input
- Analogue HD component input
- AC/DC and battery operation
- Enhanced production features
- Optional ENG kit
- Optional dual LCD Rack Mount kit



# MULTIPLE LCD MONITORS

## LMD SERIES

### LMD-7220W

**Silver Support**

- 2x7-inch WS LCD panel
- Selectable aspect ratio 16:9/4:3
- PAL/NTSC input
- Optional SDI video decoder
- Parallel remote function
- Rack mount capability



### LMD-5320

**Silver Support**

- 3x5.6-inch LCD panel
- PAL/NTSC input
- Optional SDI video decoder
- Parallel remote function
- Rack mount capability



### LMD-4420

**Silver Support**

- 4x4-inch LCD panel
- PAL/NTSC input
- Optional SDI video decoder
- Parallel remote function
- Rack mount capability





# ACCESSORIES

## BVM ACCESSORIES

### OPTIONAL PLUG-IN DECODER BOARDS

<b>BKM-61D</b>	SDI/Analogue multi input adaptor
<b>BKM-62HS</b>	HD/SD SDI input adaptor
<b>BKM-68X</b>	Analogue component input adaptor

### ACCESSORIES

<b>BKM-15R</b>	Monitor control unit
<b>BKM-14L</b>	Auto Set-up probe
<b>BKM-35H</b>	Monitor control unit attachment kit for BVM-A20F1M
<b>SMF-700</b>	Monitor interface cable

### RACK MOUNT KITS

<b>BKM-30E14</b>	Rack mount kit for BVM-A14F5M
<b>BKM-30E20</b>	Rack mount kit for BVM-A20F1M
<b>MB-510</b>	Rack mount kit for BKM-15R

# LMD ACCESSORIES

## OPTIONAL PLUG-IN DECODER BOARDS

<b>BKM-220D</b>	SDI decoder board for MEU-WX2 2x digital inputs
<b>BKM-243HS</b>	HD/SD SDI decoder board for MEU-WX2 2x digital inputs
<b>BKM-255DV</b>	DV signal decoder board for MEU-WX2 2x digital inputs
<b>BKM-320D</b>	SDI decoder board for LMD-2020/1420/ 7220W/5320/4420 1x digital input

## ACCESSORIES

<b>SMF-600</b>	10 m Display interface cable for LMD-322W/232W/172W/212/152
<b>SU-558</b>	Stand foot for LMD-232W/172W/212/152
<b>SU-559</b>	Floor stand for LMD-322W
<b>VF-509</b>	ENG kit for LMD-9050/9030/9020
<b>BP-GL95/ BP-GL65/ BP-IL75</b>	Rechargeable Li-ion battery pack
<b>BP-M50/ BP-M100</b>	Rechargeable Nickel Metal Hybrid battery pack
<b>BC-M50/ BC-M150</b>	Ni-Mh and Li-ion battery charger

## RACK MOUNT KITS

<b>MB-522A</b>	Rack mount for LMD172W
<b>MB-523</b>	Rack mount for LMD-212
<b>MB-524</b>	Rack mount for LMD-152
<b>MB-525</b>	Rack mount for LMD-9050/9030/9020
<b>MB-526</b>	Rack mount for LMD-1420/1410
<b>MB-527</b>	Rack mount for LMD-2020/2010
<b>MB-528</b>	Mounting panel for MB-525

## 5 additional reasons to choose LMD Series



### 2 Years Support

The Silver Support Pack is included as standard with all LMD Series models and extends the support period from the standard 1-year warranty to two years. Not only that, but extra features and services are also included.



### Operational Phone Call Centre

Operational phone support is provided to give advice and help so that the user can get the most out of their equipment and maximise its performance. Our telephone support is available from Monday to Friday and in 5 languages: English, French, German, Italian and Spanish.



### Collection Anywhere

In the event of equipment failure, Sony will arrange collection of the faulty unit directly from, and delivery of the repaired unit directly to the customer's location - anywhere in mainland EU, Norway or Switzerland. That makes it simpler, quicker and even more convenient for the customer.



### Repair within 7 days

Sony will collect, repair and return the unit to the customer's preferred location within 7 working days. So, minimum downtime, increased confidence and the ability to plan your business are guaranteed.



### Loan

If the faulty equipment cannot be repaired in time, the hotline will contact the customer and arrange to have a loan unit delivered. Arrangements will be made to collect the loan unit as soon as confirmation is received that the repair has been carried out satisfactorily.

# BVM-A Series Configuration



BKM-35H Control Unit attached to BVM-A20F1M

## STANDARD DEFINITION CONFIGURATION

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### BVM-A32E1WM/A20F1M/A14F5M

BKM-61D	SDI/Analogue multi input adaptor
BKM-68X	Analogue component/RGB adaptor
BKM-15R	(for BVM-A32E1WM/A20F1M)
BKM-35H	(Attachment kit for BVM-A20F1M)

## MULTI FORMAT CONFIGURATION

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### BVM-A32E1WM/A20F1M/A14F5M

BKM-62HS	HD/SD SDI input adaptor
BKM-68X	Analogue component/RGB adaptor
BKM-15R	(for BVM-A32E1WM/A20F1M)
BKM-35H	(Attachment kit for BVM-A20F1M)

## SPECIFICATIONS

## MULTIFORMAT

	<b>BVM-A32E1WM</b>
PICTURE SIZE	32-inch
PICTURE RESOLUTION	1000 TV lines
PHOSPHORS	EBU
PITCH SIZE	0.32 mm~0.36 mm
16:9 CAPABILITY	Yes
COLOUR TEMPERATURE	D65/D93/User
COLOUR SYSTEM	PAL/NTSC/SECAM
AUTO WHITE BALANCE	BKM-14L
COMPUTER INPUT	N/A
COMPOSITE VIDEO INPUT	3x (BKM-61D)
COMPONENT/RGB INPUT	1x (BKM-68X)
Y/C VIDEO INPUT	1x (BKM-61D)
HD ANALOGUE COMPONENTS	1x (BKM-68X)
HD-SDI VIDEO INPUT	2x (BKM-62HS)
DUAL LINK HD-SDI	1x (BKM-62HS)
SDI VIDEO INPUT	2x (BKM-61D)
I.LINK VIDEO INPUT	N/A
EXTERNAL SYNC	Yes
AUDIO INPUT	N/A
BUILT-IN SPEAKER	N/A
UNDERSCAN	Yes
BLUE ONLY	Yes
H/V DELAY	Yes
TALLY LAMP	Yes
REMOTE CONTROL	Ethernet/parallel
RACK MOUNT	N/A
POWER REQUIREMENTS	AC 100 to 240V (50/60Hz)
POWER CONSUMPTION	Approx 235W max
BATTERY OPERATION	N/A
DIMENSIONS (W/H/D) MM	794 x 555.4 x 694
MASS	approx 96 kg
HEIGHT	N/A

# BROADCAST CRT MONITORS – BVM-A SERIES

BVM-A20F1M	BVM-A14F5M	LMD-322W
20-inch	14-inch	32-inch WS
900 TV lines	800 TV lines	1280 x 768 dots
EBU	EBU	N/A
0.30 mm	0.25 mm	N/A
Yes	Yes	Yes
D65/D93/User	D65/D93/User	D65/D93/User
PAL/NTSC/SECAM	PAL/NTSC/SECAM	PAL/NTSC
BKM-14L	BKM-14L	N/A
N/A	N/A	VGA ~ SXGA
3x (BKM-61D)	3x (BKM-61D)	1x
1x (BKM-68X)	1x (BKM-68X)	1x
1x (BKM-61D)	1x (BKM-61D)	1x
1x (BKM-68X)	1x (BKM-68X)	Yes
2x (BKM-62HS)	2x (BKM-62HS)	2x (BKM-243HS)
1x (BKM-62HS)	1x (BKM-62HS)	N/A
2x (BKM-61D)	2x (BKM-61D)	2x (BKM-220D)
N/A	N/A	2x (BKM-255DV)
Yes	Yes	Yes
N/A	N/A	Yes
N/A	N/A	Yes
Yes	Yes	Zero scan
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Ethernet/parallel	Ethernet/parallel	Parallel
BKM-30E20	BKM-30E14	N/A
AC 100 to 240V (50/60Hz)	AC 100 to 240V (50/60Hz)	AC 100 to 240V (50/60Hz)
Approx 200W max	Approx 170W max	120 W (LMD)
		26W (MEU)
N/A	N/A	N/A
444 x 414 x 570	482 x 280 x 571	790 x 512 x 94 (LMD) 434 x 44 x 305 (MEU)
approx 40 kg	approx 26 kg	approx 17.6kg (LMD) approx 4.5 kg (MEU)
9U	6U	N/A

## MULTIFORMAT VIEWING LCD MONITORS – LMD SERIES

LMD-232W	LMD-172W	LMD-212
23-inch WS	17-inch WS	21-inch
1280 x 768 dots	1280 x 768 dots	1024 x 768 dots
N/A	N/A	N/A
N/A	N/A	N/A
Yes	Yes	Yes
D65/D93/User	D65/D93/User	D65/D93/User
PAL/NTSC	PAL/NTSC	PAL/NTSC
N/A	N/A	N/A
VGA ~ SXGA	VGA ~ SXGA	VGA ~ SXGA
1x	1x	1x
1x	1x	1x
1x	1x	1x
Yes	Yes	Yes
2x (BKM-243HS)	2x (BKM-243HS)	2x (BKM-243HS)
N/A	N/A	N/A
2x (BKM-220D)	2x (BKM-220D)	2x (BKM-220D)
2x (BKM-255DV)	2x (BKM-255DV)	2x (BKM-255DV)
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Zero scan	Zero scan	Zero scan
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Parallel	Parallel	Parallel
N/A	MB-522A	MB-523
DC 12V, AC 100 to 240V (50/60Hz)	DC 12V, AC 100 to 240V (50/60Hz)	DC 12V, AC 100 to 240 V (50/60Hz)
65W (LMD)	53W (LMD)	84 W (LMD)
26W (MEU)	26W (MEU)	26W (MEU)
N/A	N/A	N/A
563 x 372 x 78 (LMD) 434 x 44 x 305 (MEU)	441 x 294 x 67 (LMD) 434 x 44 x 305 (MEU)	515 x 409 x 81 434 x 44 x 305 (MEU)
approx 6.4 kg (LMD) approx 4.5 kg (MEU)	approx 4.8 kg (LMD) approx 4.5 kg (MEU)	approx. 6.7 Kg (LMD) approx 4.5 kg (MEU)
N/A	7U with MB-522A	10U with MB-523

## VIEWING LCD MO

LMD-152	LMD-2020	LMD-2010
15-inch	20-inch	20-inch
1024 x 768 dots	640 x 480 dots	640 x 480 dots
N/A	N/A	N/A
N/A	N/A	N/A
Yes	Yes	Yes
D65/D93/User	D65/D93/User	D65/D93/User
PAL/NTSC	PAL/NTSC	PAL/NTSC
N/A	N/A	N/A
VGA ~ SXGA	N/A	N/A
1x	2x	2x
1x	1x	1x
1x	1x	1x
Yes	N/A	N/A
2x (BKM-243HS)	N/A	N/A
N/A	N/A	N/A
2x (BKM-220D)	1x (BKM-320D)	N/A
2x (BKM-255DV)	N/A	N/A
Yes	Yes	N/A
Yes	Yes	Yes
Yes	Yes	Yes
Zero scan	Yes	Yes
Yes	Yes	N/A
Yes	N/A	N/A
Yes	Yes	N/A
Parallel	Parallel	Parallel
MB-524	MB-527	MB-527
DC 12V, AC 100 (50/60Hz)	AC 100 to 240V (50/60Hz)	AC 100 to 240V (50/60Hz)
29W (LMD)	87W	84W
26W (MEU)		
N/A	N/A	N/A
379 x 297 x 70 434 x 44 x 305 (MEU)	470 x 394 x 87	470 x 394 x 87
approx.4 Kg (LMD) approx 4.5 kg (MEU)	approx 9.2kg (with stand) approx 7.5kg (w/o stand)	approx 8.7kg (with stand) approx 7.0kg (w/o stand)
7U with MB-524	10U with MB-527	10U with MB-527



MONITORS – LMD SERIES		FILE
LMD-1420	LMD-1410	LMD-9050
14-inch	14-inch	8.4-inch
640 x 480 dots	640 x 480 dots	1024 x 768 dots
N/A	N/A	N/A
N/A	N/A	N/A
Yes	Yes	Yes
D65/D93/User	D65/D93/User	D65/D93/User
PAL/NTSC	PAL/NTSC	PAL/NTSC
N/A	N/A	N/A
N/A	N/A	N/A
2x	2x	2x
1x	1x	1x
1x	1x	1x
N/A	N/A	Yes
N/A	N/A	2x
N/A	N/A	N/A
1x (BKM-320D)	N/A	2x
N/A	N/A	N/A
Yes	N/A	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	N/A	Yes
N/A	N/A	N/A
Yes	N/A	Yes
Parallel	Parallel	Parallel
MB-526	MB-526	MB-525 (Dual LMD)
AC 100 to 240V (50/60Hz)	AC 100 to 240V (50/60Hz)	AC 100 to 240V (50/60Hz)
51W	48W	approx 28W
N/A	N/A	Yes
343 x 304 x 87	343 x 304 x 87	216 x 206 x 136.1
approx 6.8kg (with stand) approx 5.1kg (w/o stand)	approx 6.5kg (with stand) approx 4.8kg (w/o stand)	3.9kg with AC adaptor 3kg w/o accessories
7U with MB-526	7U with MB-526	5U with MB-525

# LED LCD MONITORS – LMD SERIES

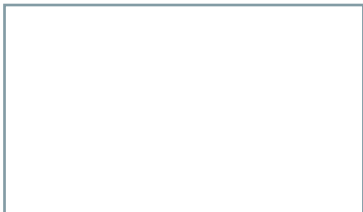
MULTI

LMD-9030	LMD-9020	LMD-7220W
8.4-inch	8.4-inch	2x7-inch WS
640 x 480 dots	640 x 480 dots	480 x 234 dots
N/A	N/A	N/A
N/A	N/A	N/A
Yes	Yes	Yes
D65/D93/User	D65/D93/User	N/A
PAL/NTSC	PAL/NTSC	PAL/NTSC
N/A	N/A	N/A
N/A	N/A	N/A
2x	2x	1x per screen
1x	1x	N/A
1x	1x	N/A
Yes	Yes	N/A
N/A	N/A	N/A
N/A	N/A	N/A
2x	N/A	1x per screen (BKM-320D)
N/A	N/A	N/A
Yes	Yes	N/A
Yes	Yes	N/A
Yes	Yes	N/A
Yes	Yes	N/A
Yes	Yes	N/A
Yes	Yes	N/A
N/A	N/A	N/A
Yes	Yes	Yes
Parallel	Parallel	Parallel
MB-525 (Dual LMD)	MB-525 (Dual LMD)	Yes
AC 100 to 240V (50/60Hz)	AC 100 to 240V (50/60Hz)	AC 100 to 240V (50/60Hz)
approx 22W	approx 20W	23W (26W max)
Yes	Yes	N/A
216 x 206 x 136.1	216 x 206 x 136.1	482 x 133 x 47
3.8kg with AC adaptor 2.9kg w/o accessories	3.7kg with AC adaptor 2.8kg w/o accessories	Approx 2.3kg
5U with MB-525	5U with MB-525	3U

## MULTIPLE LCD MONITORS – LMD SERIES

LMD-5320	LMD-4420
3x5.6-inch	4x4-inch
320 x 240 dots	480 x 234 dots
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
PAL/NTSC	PAL/NTSC
N/A	N/A
N/A	N/A
1x per screen	1x per screen
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
1x per screen (BKM-320D)	1x per screen (BKM-320D)
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
Yes	Yes
Parallel	Parallel
Yes	Yes
AC 100 to 240V (50/60Hz)	AC 100 to 240V (50/60Hz)
22W (28W max)	18W (26W max)
N/A	N/A
482 x 131 x 47	482 x 88.1 x 47
Approx 2.3kg	Approx 1.9 kg
3U	2U

# SONY



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