

	PVM-2541	PVM-1741	PVM-740	LMD-4251TD	LMD-2451TD LMD-2451W	LMD-1751W	LMD-2341W	LMD-1541W	LMD-940W	LMD-1530W	LMD-2110W	LMD-1510W	
Panel type	OLED			α-Si TFT Active Matrix LCD			α-Si TFT Active Matrix LCD			α-Si TFT Active Matrix LCD			
Picture size (viewable area, measured diagonally)	24.5-inch	16.5-inch	7.4-inch	42-inch	24-inch	17-inch	23-inch	15.3-inch	9-inch	15.3-inch	21.5-inch	15.6-inch	
Resolution (pixels)	1920 x 1080 (Full HD)		960 x 540 (QHD)	1920 x 1080 (Full HD)	1920 x 1200 (WUXGA)	1280 x 768 (WXGA)	1920 x 1080 (Full HD)	1280 x 768 (WXGA)	800 x 480 (WVGA)	1280 x 768 (WXGA)	1920 x 1080 (Full HD)	1366 x 768 (WXGA)	
Aspect ratio	16:9		16:9	16:9	16:10	15:9	16:9	15:9		15:9	16:9		
Panel drive / Colours	10-bit			Approx. 16.7 million colours			Approx. 16.7 million colours			Approx. 16.7 million colours			
<b>Input interface</b>													
Composite	BNC (x1)			BNC (x1), Optional BKM-227W BNC (x1)			BNC (x1)			BNC (x1)			
Y/C	-			Mini-DIN 4-pin (x1), Optional BKM-227W Mini-DIN 4-pin (x1)			-			Mini-DIN 4-pin (x1)			
RGB / Component	-			BNC (x3), Optional BKM-229X BNC (x3)			-			BNC (x3)			
SD-SDI	-			Optional BKM-220D BNC (x2)			-			Optional BKM-320D BNC (x1)			
HD/SD-SDI	BNC (x2)		BNC (x1)	Optional BKM-243HS, BKM-244CC BNC (x2)			BNC (x2)		BNC (x1)	-		Optional BKM-341HS BNC (x1)	
3G/HD/SD-SDI	-			Optional BKM-250TG BNC (x2)			-			-			
HDMI™	HDMI (x1)*1		HDMI (x1)	-			HDMI (x1)*1		HDMI (x1)	HDMI (x1)*1			
DVI-D	-			DVI-D (x1)			-			-			
HD15	-			D-sub 15-pin (x1)			-			-			
Audio	Stereo mini jack (x1)			Phono jack (x2) (L/R)			Stereo mini jack (x1)			Phono jack (x3)			
External sync	-			BNC (x1), Optional BKM-229X BNC (x1)			-			BNC (x1)			
Option slot	-			2 slots			-			-			
<b>Output interface</b>													
Composite	BNC (x1)*2			BNC (x1)*2, Optional BKM-227W BNC (x1)*2			BNC (x1)*2			BNC (x1)*2			
Y/C	-			Mini-DIN 4-pin (x1)*2, Optional BKM-227W Mini-DIN 4-pin (x1)*2			-			Mini-DIN 4-pin (x1)*2			
RGB / Component	-			BNC (x3)*2			-			BNC (x3)*2			
SD-SDI	-			Optional BKM-220D BNC (x1)*2			-			-			
HD/SD-SDI	BNC (x1)*2			Optional BKM-243HS, BKM-244CC BNC (x1)*2			BNC (x1)*2			-			
3G/HD/SD-SDI	-			Optional BKM-250TG BNC (x2)*2			-			-			
External sync	-			BNC (x1)*2			-			BNC (x1)*2			
Audio monitor out	Stereo mini jack (x1)			Phono jack (x2) (L/R)			Stereo mini jack (x1)			Phono jack (x2)			
Speaker (built-in)	1.0 W (mono)		0.5 W (mono)	1.0 W + 1.0 W (stereo)			1.0 W (mono)		0.5 W (mono)	0.5 W (mono)			
Headphone output	Stereo mini jack (x1)			-			Stereo mini jack (x1)			-			
<b>Remote control</b>													
Parallel remote	Modular connector 8-pin (x1)			Modular connector 8-pin (x1)			Modular connector 8-pin (x1)			Modular connector 8-pin (x1)			
Serial remote (LAN)	RJ-45 modular connector (Ethernet) (x1)			RJ-45 modular connector (Ethernet) (x1) D-sub 9-pin (RS-232C) (x1)			RJ-45 modular connector (Ethernet) (x1)			-			
<b>Features</b>													
Signal processing	10-bit			10-bit			10-bit			10-bit			
Auto white balance calibration*3	○			○			○			-			
I/P mode selection	4 modes		3 modes	3 modes*4			3 modes			2 modes			
Power saving mode	-			○			○			-			
Screen saver	○			-			-			-			
Markers	Aspect, Center, Safety		Aspect, Center	Aspect, Center, Safety			Aspect, Center, Safety		Aspect, Center	Aspect, Center		Aspect, Center, Safety	
Waveform monitor	○			○			○			-			
Audio level meter (SDI-embedded audio)	○			○*5			○			-			
Time code display (SDI-embedded time code)	○		-	-			○		-	-			
Colour temperature (D65, D93, and user)	○			○			○			High, Low, User			
Closed caption	-			EIA 608 (standard), EIA 708 (optional BKM-244CC)			-			-			
Aspect switch (16:9, 4:3)	○			○			○			○			
Scan mode (Normal (0%), Over (5%), Native)	○			○		○*7	○		-	-3%, 5%, Full		0%, 5%, Full	
Blue only	○			○			○			○			
H/V delay	○			○			○			-			
Tally	3 colours			3 colours			3 colours			3 colours			
EIA 19-inch rack-mounting	-	Mount kit included	Optional MB-531	-		Optional MB-530	-		Optional MB-534	Optional MB-531	Optional MB-533	Optional MB-529	Optional MB-535
VESA mounting	100 x 100 mm		-	400 x 400 mm	100 x 100 mm	100 x 100 mm 75 x 75 mm	100 x 100 mm		-	100 x 100 mm			
Desktop stand	Standard, Optional SU-561		Standard	-		Standard	Optional SU-561	Optional SU-561, SU-562	Standard	Standard			
DC operation	-		12 V	-		24 V	12 V		-		-		
<b>3D Features</b>													
Micro-polarizer 3D filter	-			LMD-4251TD	LMD-2451TD	-							
Light-weight circular polarizer 3D glasses	-			Supplied BKM-30G (2 sets)			-						
3G-SDI level-B input*6	-			○			-						
Dual-stream HD-SDI input*6	-			○			-						
HD-SDI input*6	-			○			-						
DVI-D line-by-line input	-			○			-						
3D display functions*6	-			○			-						
2D/3D select	-			○			-						

\*1 DVI signals can be input via the HDMI interface using a conversion cable.  
 \*2 Loop-through, automatic termination.  
 \*3 This works with the combination of a PC and a commercially available calibration tool (X-Rite i1 (Eye-one) Pro).  
 \*4 With the LMD-4251TD and LMD-2451TD 3D monitors, the I/P mode is fixed to Field Merge mode on 3D mode.  
 \*5 The 8-ch audio level meter can be displayed when the optional BKM-250TG input adaptor is installed.  
 \*6 An optional BKM-250TG 3G-SDI input adaptor is required.  
 \*7 LMD-2451W and LMD-1751W further support a full scan mode. The full scan and native scan modes work on specific signal formats.

 <b>BKM-250TG</b> 3G/HD/SD-SDI Input Adaptor (for LMD-51 Series)	 <b>BKM-244CC</b> HD/SD-SDI Closed Caption Adaptor (for LMD-51 Series)	 <b>BKM-243HS</b> HD/SD-SDI Input Adaptor (for LMD-51 Series)
 <b>BKM-220D</b> SD-SDI 4:2:2 Input Adaptor (for LMD-51 Series)	 <b>BKM-229X</b> Analogue Component Adaptor (for LMD-51 Series)	 <b>BKM-227W</b> NTSC/PAL Input Adaptor (for LMD-51 Series)
 <b>SU-561</b> Mounting Stand (for PVM-2541, PVM-1741, and LMD-1751W)	 <b>SU-562</b> Monitor Stand (for LMD-1541W)	 <b>MB-529</b> Mounting Bracket (for LMD-2110W)
 <b>MB-530</b> Mounting Bracket (for LMD-1751W)	 <b>MB-531</b> Mounting Bracket (for PVM-740 and LMD-940W)	 <b>MB-532</b> Mounting Panel (for PVM-740 and LMD-940W)
 <b>MB-534</b> Mounting Bracket (for LMD-1541W)	 <b>VF-510</b> ENG Kit (Viewing Hood, Carrying Handle and Connector Protector) (for PVM-740 and LMD-940W)	 <b>BKM-30G</b> 3D Glasses (for LMD-4251TD and LMD-2451TD)
 <b>BKM-31G</b> 3D Glasses (for LMD-4251TD and LMD-2451TD)	 <b>BKM-320D</b> SD-SDI Input Adaptor (for LMD-30/10 Series)	 <b>BKM-341HS</b> HD/SD-SDI Input Adaptor (for LMD-1510W)
 <b>MB-533</b> Mounting Bracket (for LMD-1530W)	Coming soon	
 <b>MB-535</b> Mounting Bracket (for LMD-1510W)		

## PVM-2541 / PVM-1741 / PVM-740 Signal Formats

System	Total lines	Active lines	Frame rates*3	Scanning	Aspect ratio	Signal standard		
						Analogue	SDI (3G/HD/SD)	HDMI
575/50i (PAL)	625	575	25	2:1 interlace	16:9 & 4:3	ITU-R BT.470	SMPTE 259M	CEA-861
480/60i (NTSC)*3	525	483	30	2:1 interlace	16:9 & 4:3	SMPTE 170M	SMPTE 259M	CEA-861
576/50p	625	576	50	Progressive	16:9 & 4:3	-	-	CEA-861
480/60p*3	525	483	60	Progressive	16:9 & 4:3	-	-	CEA-861
640 x 480/60p*3	525	480	60	Progressive	4:3	-	-	CEA-861
1080/24PsF*1*3	1125	1080	24	Progressive (sF)	16:9	-	SMPTE RP211*5	-
1080/25PsF*2	1125	1080	25	Progressive (sF)	16:9	-	SMPTE RP211*5	-
1080/24p*3	1125	1080	24	Progressive	16:9	-	SMPTE 274M*5	CEA-861
1080/25p	1125	1080	25	Progressive	16:9	-	SMPTE 274M*5	CEA-861
1080/30p*3	1125	1080	30	Progressive	16:9	-	SMPTE 274M*5	CEA-861
1080/50i	1125	1080	25	2:1 interlace	16:9	-	SMPTE 274M*6	CEA-861
1080/60i*3	1125	1080	30	2:1 interlace	16:9	-	SMPTE 274M*6	CEA-861
720/50p	750	720	50	Progressive	16:9	-	SMPTE 296M*6	CEA-861*7
720/60p*3	750	720	60	Progressive	16:9	-	SMPTE 296M*6	CEA-861*7
1080/50p*4	1125	1080	50	Progressive	16:9	-	SMPTE 274M*5	CEA-861*7
1080/60p*3*4	1125	1080	60	Progressive	16:9	-	SMPTE 274M*5	CEA-861*7
1080/30PsF*3	1125	1080	30	Progressive (sF)	16:9	-	SMPTE RP211*5	-
720/24p*3	750	720	24	Progressive	16:9	-	SMPTE 296M*5	-
720/30p*3	750	720	30	Progressive	16:9	-	SMPTE 296M*5	-
720/25p	750	720	25	Progressive	16:9	-	SMPTE 296M*5	-

\*1 Displayed as 1080/48i on the screen. \*2 Displayed as 1080/50i on the screen. \*3 Compatible with 1/1.001.  
 \*4 Compatible with 4:2:2 Y/Cb/Cr 10-bit of 3G-SDI.  
 \*5 PVM-2541 and PVM-1741 support 4:4:4 Y/Cb/Cr 10-bit of 3G-SDI.  
 \*6 PVM-2541 and PVM-1741 support 4:4:4 Y/Cb/Cr 10-bit and 4:4:4 RGB 10-bit of 3G-SDI.  
 \*7 PVM-2541 and PVM-1741 can accept DVI signals via the HDMI interface using a conversion cable.

## LMD-51/40/41/30/10 Series Input signals / Input adaptors

Video signal formats	Input signals				LMD-2451W / LMD-1751W / LMD-4251TD / LMD-2451TD					LMD-2341W / LMD-1541W / LMD-940W		
	Total line	Active line	Aspect ratio	Frame rate	Composite Y/C	RGB component	SD-SDI	HD-SDI SD-SDI	3G/HD/SD-SDI	Composite	3G/HD/SD-SDI	HDMI
					Standard					Standard		
					Options							Standard
BKM-227W	BKM-229X	BKM-220D	BKM-243HS BKM-244CC	BKM-250TG	LMD-1530W / LMD-2110W / LMD-1510W		Standard					
				Options								
				BKM-320D	BKM-341HS*6							
575/50i (PAL)	625	575	16:9 & 4:3	25	○	○	○	○	○	○	○	
480/60i (NTSC)*1	525	483	16:9 & 4:3	30	○	○	○	○	○	○	○	
576/50p	625	576	16:9 & 4:3	50	N.A.	○	N.A.	N.A.	N.A.	N.A.	○	
480/60p	525	483	16:9 & 4:3	60	N.A.	○	N.A.	N.A.	N.A.	N.A.	○	
640 x 480/60p*1	525	480	4:3	60	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	○*7	
1080/24PsF*1*3	1125	1080	16:9	24	N.A.	○*2*7	N.A.	○	○	N.A.	○	
1080/25PsF*3	1125	1080	16:9	25	N.A.	○*2*7	N.A.	○	○	N.A.	○	
1080/24p*1	1125	1080	16:9	24	N.A.	○*2	N.A.	○	○	N.A.	○	
1080/25p	1125	1080	16:9	25	N.A.	○*2	N.A.	○	○	N.A.	○	
1080/30p*1	1125	1080	16:9	30	N.A.	○*2	N.A.	○	○	N.A.	○	
1080/50i	1125	1080	16:9	25	N.A.	○	N.A.	○	○	N.A.	○	
1080/60i*1	1125	1080	16:9	30	N.A.	○	N.A.	○	○	N.A.	○	
720/50p	750	720	16:9	50	N.A.	○*2	N.A.	○	○	N.A.	○*4	
720/60p*1	750	720	16:9	60	N.A.	○	N.A.	○	○	N.A.	○*4	
1080/50p	1125	1080	16:9	50	N.A.	N.A.	N.A.	○*5	N.A.	○*5	○*5*7	
1080/60p*1	1125	1080	16:9	60	N.A.	N.A.	N.A.	○*5	N.A.	○*5	○*5*7	

\*1 Compatible with 1/1.001.  
 \*2 For component input only.  
 \*3 Displayed as 1080/48i and 1080/50i on the screen, respectively.  
 \*4 LMD-2341 and LMD-1541 can accept DVI signals via the HDMI interface using a conversion cable.  
 \*5 10-bit 4:2:2 Y/Cb/Cr is supported.  
 \*6 Supported with the LMD-1510W only.  
 \*7 These signals are not supported with the LMD-30/10 Series monitors.

## LMD-51 Series HD-15 Input Signal Format

Resolution	H total	H addr.	V total	V addr.	Dot clock [MHz]	fH [kHz]	fV [Hz]	Sync polarity		LMD-4251TD	LMD-2451TD LMD-2451W	LMD-1751W
								Horizontal	Vertical			
640 x 480@60Hz*	800	640	525	480	25.175	31.469	59.940	N	N	○	○	○
640 x 480@60Hz	800	640	494	480	23.625	29.531	59.780	P	N	○	○	○
720 x 400@70Hz*2	900	720	449	400	28.322	31.469	70.087	N	P	○	○	○
800 x 600@56Hz*	1024	800	625	600	36.000	35.156	56.250	P	P	○	○	○
800 x 600@60Hz*	1056	800	628	600	40.000	37.879	60.317	P	P	○	○	○
800 x 600@60Hz	960	800	618	600	35.500	36.979	59.837	P	N	○	○	○
800 x 600@72Hz*	1040	800	666	600	50.000	48.077	72.188	P	P	○	○	○
800 x 600@75Hz*	1056	800	625	600	49.500	46.875	75.000	P	P	○	○	○
800 x 600@85Hz*	1048	800	631	600	56.250	53.674	85.061	P	P	○	○	○
1024 x 768@60Hz*	1344	1024	806	768	65.000	48.363	60.004	N	N	○	○	○
1024 x 768@60Hz	1184	1024	790	768	56.000	47.297	59.870	P	N	○	○	○
1024 x 768@70Hz*	1328	1024	806	768	75.000	56.476	70.069	N	N	○	○	○
1024 x 768@75Hz*	1312	1024	800	768	78.750	60.023	75.029	P	P	○	○	○
1024 x 768@85Hz*	1376	1024	808	768	94.500	68.677	84.997	P	P	○	○	○
1152 x 864@75Hz*	1600	1152	900	864	108.000	67.500	75.000	P	P	○	○	○
1280 x 768@50Hz	1648	1280	791	768	65.125	39.518	49.959	N	P	○	○	○
1280 x 768@60Hz	1680	1280	795	768	80.125	47.693	59.992	N	P	○	○	○
1280 x 768@60Hz	1440	1280	790	768	68.250	47.396	59.995	P	N	○	○	○
1280 x 768@75Hz	1712	1280	802	768	102.875	60.091	74.926	N	P	○	○	○
1280 x 800@60Hz*1					68.900	48.935	59.969	N	N	○	○	○
1280 x 960@60Hz*	1800	1280	1000	960	108.000	60.000	60.000	P	P	○	○	○
1280 x 960@60Hz	1440	1280	988	960	85.250	59.201	59.920	P	N	○	○	○
1280 x 1024@60Hz*	1688	1280	1066	1024	108.000	63.981	60.020	P	P	○	○	○
1280 x 1024@60Hz	1440	1280	1054	1024	91.000	63.194	59.957	P	N	○	○	○
1360 x 768@50Hz	1760	1360	791	768	69.500	39.489	49.922	N	P	○	○	○
1360 x 768@60Hz	1776	1360	768	768	84.625	47.649	59.936	N	P	○	○	○
1360 x 768@60Hz	1520	1360	790	768	72.000	47.368	59.960	P	N	○	○	○
1600 x 1200@50Hz	2144	1600	1235	1200	132.375	61.742	49.994	N	P	○	○	○
1600 x 1200@60Hz	1760	1600	1235	1200	130.375	74.077	59.981	P	N	○	○	○
1920 x 1080@50Hz	2544	1920	1112	1080	141.375	55.572	49.975	N	P	○	○	○
1920 x 1080@60Hz	2080	1920	1111	1080	138.625	66.647	59.988	P	N	○	○	○

○=VESA-DMT    ○=VESA-CVT VCRT    N = Negative    P = Positive    \* SOG    \*1 Anycast Station    \*2 Matrix

## PVM-2541 / PVM-1741 / LMD-2341W / LMD-1541W DVI Input Signals

Resolution	Dot clock (MHz)	fH (kHz)	fV (Hz)
640 x 480	25.175	31.5	60
1280 x 768	68.250	47.4	
1280 x 1024	108.000	64.0	
1360 x 768	85.500	47.7	
1440 x 900	88.750	55.5	
1680 x 1050	119.000	64.7	

• When a DVI signal is input to the HDMI IN connector using a DVI conversion cable.  
 • Sides of the displayed picture may be hidden depending on the input signal.

## LMD-51 Series DVI-D Input Signal Formats

	LMD-4251TD / LMD-2451TD / LMD-2451W	LMD-1751W
Vertical frequency	50.0 Hz to 85.1 Hz	
Horizontal frequency	31.5 kHz to 77.0 kHz	
Dot clock	25.175 MHz to 148.500 MHz	25.175 MHz to 141.000 MHz
Picture size, phase	Automatically detected by the DE (Data Enable) signal	

## LMD-30/10 Series DVI Input Signals

Resolution	Dot clock (MHz)	fH (kHz)	fV (Hz)	LMD-1530W	LMD-2110W LMD-1510W
720 x 400 70Hz	28.322	31.469	70.087	○	○
800 x 600 56Hz	36.000	35.156	56.250	○	○
800 x 600 60Hz	40.000	37.879	60.317	○	○
1024 x 768 60Hz	65.000	48.363	60.004	○	○
1280 x 768 60Hz	79.500	47.776	59.870	○	-
1280 x 1024 60Hz	108.000	63.981	60.020	-	○

\*A DVI conversion cable is required.

## Various 3D signals and video formats support

Type of 3D signals	3G (level-B) Dual-stream	Side-by-side*4	Line-by-line	Sequential
	3G*1/HD-SDI x 2*1	HD-SDI*1	HD-SDI*1	DVI HD-SDI*1
1080/50i	○	○	-	-
1080/60i*2	○	○	-	-
1080/24P	○	○	○	-
1080/25P	○	○	○	-
1080/30P*2	○	○	○	-
1080/50P	-	-	○	-
1080/60P	-	-	○	-
1080/24PsF*2	○	○	-	○
1080/25PsF	○	○	-	○
720/50P*3	○	○	○	-
720/60P*2*3	○	○	○	-
1920 x 1080/50Hz	-	-	-	○
1920 x 1080/60Hz	-	-	-	○

\*1 BKM-250TG (Ser.7100001 or later) is required for the 3D 3G/HD-SDI signals.  
 \*2 The frame rates are also compatible with 1/1.001.  
 \*3 720/50P and 60P signals are displayed as a native scan in a window pattern.  
 \*4 L/R pictures are displayed as "side-by-side" in 2D display mode, and are displayed as "line-by-line" in 3D display mode. The pictures is aligned as side-by-side in 2D display mode are not compressed vertically.

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