






High-grade type

	LMD-4250W	LMD-2451W	LMD-2050W	LMD-1751W	LMD-940W
Model No.					
Panel type	a-Si TFT Active Matrix				
Picture size*1	42-inch	24-inch	20-inch	17-inch	9-inch
Resolution (pixels)	1920 x 1080	1920 x 1200	1680 x 1050	1280 x 768	800 x 480
Aspect ratio	16:9	16:10		15:9	
Colors	Approx. 16.7 million colors				
Input interface					
Composite	BNC (x1), Optional BKM-227W BNC (x1)				BNC (x1)
Y/C	Mini-DIN 4-pin (x1), Optional BKM-227W Mini-Din 4-pin (x1)				-
RGB/Component	BNC (x3), Optional BKM-229X BNC (x3)				-
SD-SDI	Optional BKM-220D BNC (x2)				-
HD/SD-SDI	Optional BKM-243HS, BKM-244CC BNC (x2)				BNC (x1)
3G/HD/SD-SDI	-	Optional BKM-250TG BNC (x2)	-	Optional BKM-250TG BNC (x2)	-
HDMI	-				HDMI (x1)
DVI-D	DVI-D (x1)				-
HD15	D-sub 15-pin (x1)				-
Audio	Phono jack (x2) (L/R)				Stereo mini jack (x1)
External sync	BNC (x1), Optional BKM-229X BNC (x1)				-
Option slot	2 slots (BKM-220D, BKM-227W, BKM-229X, BKM-243HS, BKM-244CC, BKM-250TG*)				-
Output interface					
Composite	BNC (x1)*2, Optional BKM-227W BNC (x1)*2				BNC (x1)
Y/C	Mini-DIN 4-pin (x1)*2, Optional BKM-227W Mini-Din 4-pin (x1)*2				-
RGB/Component	BNC (x3)*2				-
SD-SDI	Optional BKM-220D BNC (x1)*2				-
HD/SD-SDI	Optional BKM-243HS, BKM-244CC BNC (x1)*2				BNC (x1)
3G/HD/SD-SDI	-	Optional BKM-250TG BNC (x2)	-	Optional BKM-250TG BNC (x2)	-
External Sync	BNC (x1)*2				-
Audio monitor out	Phono jack (x2) (L/R)				Stereo mini jack (x1)
Speaker (Built-in)	1.0 W + 1.0 W (stereo)				0.5 W (mono)
Headphone output	-				Stereo mini jack (x1)
Remote control					
Parallel remote	Modular connector 8-pin (x1), (pin-assignable)				-
Serial remote	D-sub 9-pin (RS-232C) (x1), RJ-45 modular connector (Ethernet) (x1) (10BASE-T/100BASE-TX)				RJ-45 modular connector (Ethernet) (x1)
Features					
Signal Processing	10-bit				
Color Matching	ChromaTRU				
Auto white balance calibration	-	Yes	-	Yes	Yes*4
I/P mode selection	3 modes (Inter field, Field merge, Line doubler)				
Power saving mode	Yes				
Markers	Aspect, Center, Safety Area				Aspect, Center
Waveform monitor	-	Yes			
Audio level meter	-	2-ch and 8-ch*5 SDI-embedded audio	2-ch SDI-embedded audio	2-ch and 8-ch*5 SDI-embedded audio	2-ch and 8-ch SDI-embedded audio
Color Temperature	D65, D93, user				
Closed Caption	EIA608 (standard), EIA708 (optional BKM-244CC)				-
Aspect Switch	16:9, 4:3				
Scan mode	Normal (0%), Over (5%), Native*6	Normal (0%), Over (5%), Full*6, Native*6			
Blue only	Yes				
H/V Delay	Yes				
Tally	-	3 colors			-
Smart APA	Yes				-
EIA 19-inch Rack Mounting	-	Optional MB-529	Optional MB-530	Optional MB-531	
VESA Mounting	400 x 400 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm, 75 x 75 mm	-
Desktop stand	-	Supplied	Supplied	Optional SU-561	Supplied
DC Operation	-	24 V		12 V	

*1 Viewable area, measured diagonally. *2 Loop-through, automatic termination. *3 3G-SDI does not support in LMD-4250W and LMD-2050W *4 The LMD-940W supports this function from V1.05 or later.
*5 The 8-ch audio level meter can be displayed when the optional BKM-250TG input adaptor is installed. *6 The full scan and native scan modes work on specific signal formats.

Video Input Signal (High-grade Type)

Video Signal Formats	Input signals				LMD-4250W/LMD-2451W/LMD-2050W/LMD1751W					LMD-940W		
	Total Line	Active Line	Aspect Ratio	Frame Rate*1	Composite Y/C	RGB Component	SDI 4:2:2	HD-SDI SD-SDI	3G/HD/SD-SDI*3	Composite	3G/HD/SD-SDI	HDMI
					Standard					Options		Standard
575/60i (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.	N.A.	○
480/60p	525	483	16:9 & 4:3	60	N.A.	○	N.A.	N.A.	N.A.	N.A.	N.A.	○*1
640 x 480/60p*1	525	480	4:3	60	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	○
1080/24PsF*1	1125	1080	16:9	24	N.A.	○*2	N.A.	○	○	N.A.	○	N.A.
1080/25PsF	1125	1080	16:9	25	N.A.	○*2	N.A.	○	○	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.	○	○
720/60p*1	750	720	16:9	60	N.A.	○	N.A.	○	○	N.A.	○	○
1080/50p	1125	1080	16:9	50	N.A.	N.A.	N.A.	N.A.	○	N.A.	○	○
1080/60p*1	1125	1080	16:9	60	N.A.	N.A.	N.A.	N.A.	○	N.A.	○	○

*1 Compatible with 1/1.001 *2 For component input only *3 LMD-2451W and LMD1751W only


LMD-4250W, LMD-2451W, LMD-2050W, LMD-1751W Computer Input Signals

Resolution	H Total	H addr.	V Total	V Addr.	Dot Clock	fH	fV	Sync Polarity		LMD-4250W	LMD-2451W	LMD-2050W	LMD-1751W
					[MHz]	[kHz]	[Hz]	Horizontal	Vertical				
640x480@60Hz*	800	640	525	480	25.175	31.469	59.940	N	N	○	○	○	○
640x480@60Hz	800	640	494	480	23.625	29.531	59.780	P	N	○	○	○	○
720x400@70Hz*2	900	720	449	400	28.322	31.469	70.087	N	P	○	○	○	○
800x600@56Hz*	1024	800	625	600	36.000	35.156	56.250	P	P	○	○	○	○
800x600@60Hz*	1056	800	628	600	40.000	37.879	60.317	P	P	○	○	○	○
800x600@60Hz	960	800	618	600	35.500	36.979	59.837	P	N	○	○	○	○
800x600@72Hz*	1040	800	666	600	50.000	48.077	72.188	P	P	○	○	○	○
800x600@75Hz*	1056	800	625	600	49.500	46.875	75.000	P	P	○	○	○	○
800x600@85Hz*	1048	800	631	600	56.250	53.674	85.061	P	P	○	○	○	○
1024x768@60Hz*	1344	1024	806	768	65.000	48.363	60.004	N	N	○	○	○	○
1024x768@60Hz	1184	1024	790	768	56.000	47.297	59.870	P	N	○	○	○	○
1024x768@70Hz*	1328	1024	806	768	75.000	56.476	70.069	N	N	○	○	○	○
1024x768@75Hz*	1312	1024	800	768	78.750	60.023	75.029	P	P	○	○	○	○
1024x768@85Hz*	1376	1024	808	768	94.500	68.677	84.997	P	P	○	○	○	○
1152x864@75Hz*	1600	1152	900	864	108.000	67.500	75.000	P	P	○	○	○	○
1280x768@50Hz	1648	1280	791	768	65.125	39.518	49.959	N	P	○	○	○	○
1280x768@60Hz	1680	1280	795	768	80.125	47.693	59.992	N	P	○	○	○	○
1280x768@60Hz	1440	1280	790	768	68.250	47.396	59.995	P	N	○	○	○	○
1280x768@75Hz	1712	1280	802	768	102.875	60.091	74.926	N	P	○	○	○	○
1280x800@60Hz*1					68.900	48.935	59.969	N	N	○	○	○	○
1280x960@60Hz*	1800	1280	1000	960	108.000	60.000	60.000	P	P	○	○	○	○
1280x960@60Hz	1440	1280	988	960	85.250	59.201	59.920	P	N	○	○	○	○
1280x1024@60Hz*	1688	1280	1066	1024	108.000	63.981	60.020	P	P	○	○	○	○
1280x1024@60Hz	1440	1280	1054	1024	91.000	63.194	59.957	P	N	○	○	○	○
1360x768@50Hz	1760	1360	791	768	69.500	39.489	49.922	N	P	○	○	○	○
1360x768@60Hz	1776	1360	768	768	84.625	47.649	59.936	N	P	○	○	○	○
1360x768@60Hz	1520	1360	790	768	72.000	47.368	59.960	P	N	○	○	○	○
1600x1200@50Hz	2144	1600	1235	1200	132.375	61.742	49.994	N	P	○	○	○	○
1600x1200@60Hz	1760	1600	1235	1200	130.375	74.077	59.981	P	N	○	○	○	○
1920x1080@50Hz	2544	1920	1112	1080	141.375	55.572	49.975	N	P	○	○	○	○
1920x1080@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

LUMA Series Monitor Line-up

Input Signal Chart

Entry-level type		
Model No.	LMD-2030W	LMD-1530W
		
Panel type	a-Si TFT Active Matrix	
Picture size (diagonal*)	20-inch	15.3-inch
Resolution (pixels)	1680 x 1050	1280 x 768
Aspect ratio	16:10	15:9
Colors	Approx. 16.7 million colors	
Input interface		
Composite	BNC (x1)	
Y/C	Mini-DIN 4-pin (x1)	
RGB/Component	BNC (x3)	
SD-SDI	Optional BKM-320D BNC (x1)	
HDMI	HDMI (x1)	
DVI-D	via HDMI (x1)*1	
HD15	-	
Audio	Phono jack (x1)	
External sync	BNC (x1)	
Option connector	D-sub 9-pin (for BKM-320D) Phono jack (x1)	
Output interface		
Composite	BNC (x1)*2	
Y/C	Mini-DIN 4-pin (x1)*2	
RGB/Component	BNC (x3)*2	
External Sync	BNC (x1)*2	
Audio monitor out	Phono jack (x1)	
Speaker (Built-in)	0.5 W (mono)	
Remote control		
Parallel remote	Modular connector 8-pin (x1), (pin-assignable)	
Features		
Signal Processing	8-bit	10-bit
I/P mode selection	2 modes (Inter field, Line doubler)	
Markers	Aspect, Center	
Color Temperature	High, Low, User	
Aspect Switch	16:9, 4:3	
Scan	Under (-3%), Over (5%), Full	
Blue only	Yes	
Tally	3 colors	
EIA 19-inch Rack Mounting	Optional MB-529	Optional MB-533
VESA Mounting	100 x 100 mm	
Desktop stand	Supplied	Supplied
DC Operation	-	

*1 DVI-D/HDMI conversion cable is required.
*2 Loop-through, automatic termination.

LMD-2030W, LMD-1530W Video Input

System	Input Signal			Interface			
	Total Line	Active Line	Aspect Ratio	Composite Y/C	RGB Component	SD-SDI	HDMI
				Standard	Optional BKM-320D	Standard	
575/50i (PAL)	625	575	16:9/4:3	○	○	○	○
480/60i (NTSC)*1	525	483	16:9/4:3	○	○	○	○
576/50P	625	576	16:9/4:3	N.A.	○	N.A.	○
480/60P	525	483	16:9/4:3	N.A.	○	N.A.	○
1080/24P*1	1125	1080	16:9	N.A.	○*2	N.A.	○
1080/25P	1125	1080	16:9	N.A.	○*2	N.A.	○
1080/30P*1	1125	1080	16:9	N.A.	○*2	N.A.	○
1080/50i	1125	1080	16:9	N.A.	○*2	N.A.	○
1080/60i*1	1125	1080	16:9	N.A.	○	N.A.	○
720/50P	750	720	16:9	N.A.	○*2	N.A.	○
720/60P*1	750	720	16:9	N.A.	○	N.A.	○

*1 The frame rate is also compatible with 1/1.001 frame rates.

*2 Component signals only.

Video Input Signal (Entry-level Type)

Resolution	Dot clock (MHz)	fH (kHz)	fV (Hz)	LMD-2030W	LMD-1530W
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	-	○
1360 x 768 60Hz	85.500	47.712	60.015	○	-

*A DVI conversion cable is required.

Optional Accessories



BKM-250TG
3G/HD/SD-SDI Input Adaptor
(for LMD-2451W/LMD-1751W only)



BKM-244CC
HD/SD-SDI Closed Caption Adaptor
(for high-grade type)



BKM-243HS
HD/SD-SDI Input Adaptor
(for high-grade type)



BKM-220D
SD-SDI 4:2:2 Input Adaptor
(for high-grade type)



BKM-229X
Analog Component Adaptor
(for high-grade type)



BKM-227W
NTSC/PAL Input Adaptor
(for high-grade type)



SU-561
Mounting Stand (for LMD-1751W)



MB-529
Mounting Bracket
(for LMD-2050W and LMD-2030W)



MB-530
Mounting Bracket
(for LMD-1751W)



MB-531
Mounting Bracket (for LMD-940W)



MB-532
Mounting Panel (for LMD-940W)



VF-510
ENG Kit (Viewing Hood, Carrying Handle and Connector Protector)
(for LMD-940W)



BKM-320D
SD-SDI Input Adaptor
(for LMD-2030W and LMD-1530W)



MB-533
Mounting Bracket
(for LMD-1530W)

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