

42PM4M 50PM4M 60PM4M

42" Class (41.6" diag.), 50" Class (49.9" diag.),
and 60" Class (59.5" diag.) Plasma
Widescreen 16:9 HD Capable Monitors



STAND OPTIONAL

42PM4M/50PM4M



60PM4M

STAND OPTIONAL



- 42" Class (41.6" diag.), 50" Class (49.9" diag.), and 60" Class (59.5" diag.) Plasma Widescreen 16:9 HD Capable Monitors
- Native Display Resolution
1024×768 XGA (42PM4M)
1365×768 (50PM4M)
1366×768 WXGA (60PM4M)
- High Brightness
1500 cd/m² (42PM4M, 50PM4M)
1200 cd/m² (60PM4M)
- Contrast Ratio
15,000:1 (42PM4M, 50PM4M)
12,000:1 (60PM4M)

- Convenient External Speaker Out Terminals
- Split Zoom (Self Video Wall) up to 4×4 Matrix — Adjusts for Bezel Width
- Image Sticking Minimization
- HDMI™ with HDCP
- RS-232C Control
- Optional Speakers and Stand
- 2 Year Limited Warranty



AKB33871403





LG's exclusive XD Engine® takes the low resolution of analog signals to near HD levels by improving brightness, contrast, detail and enhancing color as well as reducing signal noise. This total solution results in cinema-like high resolution images.

OPTIONAL ACCESSORIES

OPTIONAL SPEAKERS (8Ω)



AP-42SM40 (Black)
6.1"W x 25.6"H x 2.4"D each
4.32 lbs. each

AP-50SM40 (Black)
6.8"W x 29.3"H x 2.3"D each
5.47 lbs. each



AP-60SA12 (Black)
5.3"W x 34.8"H x 3.9"D each
5.51 lbs. each

SPEAKERS STANDS

	SPEAKERS	STANDS
42PM4M	AP-42SM40	AP-42DM10B
50PM4M	AP-50SM40	AP-50DM11B
60PM4M	AP-60SA12	AP-60DA13

OPTIONAL STANDS



AP-42DM10B (Black)
30.0"W x 12.1"H x 11.54"D
15.7 lbs.

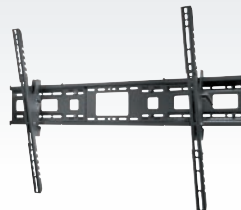
AP-50DM11B (Black)
31.88"W x 12.1"H x 12.4"D
15.7 lbs.



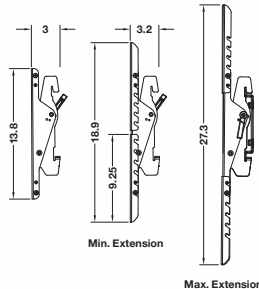
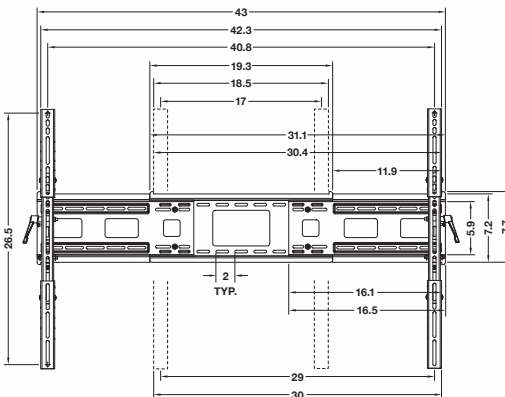
AP-60DA13 (Black)
45.7"W x 15.5"H x 16.3"D
47.3 lbs.

PWMT300 FIXED OR TILTING WALL MOUNT

The PWMT300 Flat Panel Modular Wall Mount's intuitive design makes it easy to mount a PM4M Series Plasma with the expandable brackets and the three included wall plates. Using this wall mount, the PM4M Series Plasmas can be hung flat or tilted +15°/-5° for viewing flexibility.

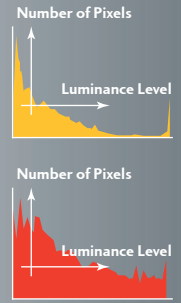
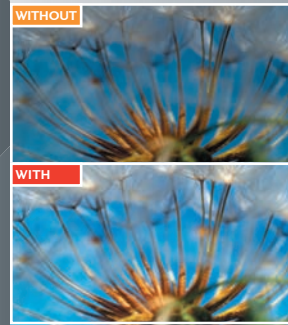


The PWMT300 is a Peerless® mount that is available for order at LG Electronics USA, Inc.



Simulated Images Dramatization

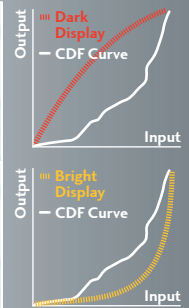
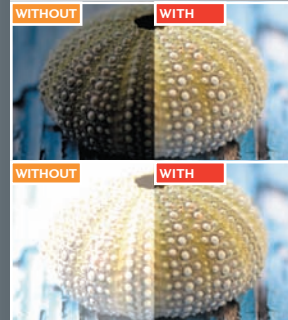
ULTRA CONTRAST



The minimum black level of an image is automatically detected and adjusted according to brightness.

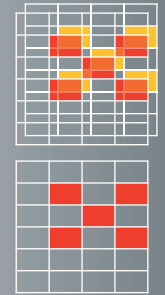
Simulated Images Dramatization

DYNAMIC BLACK STRETCH



Simulated Images Dramatization

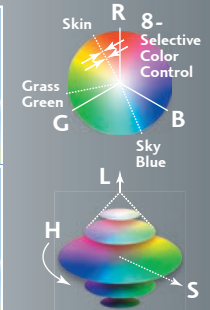
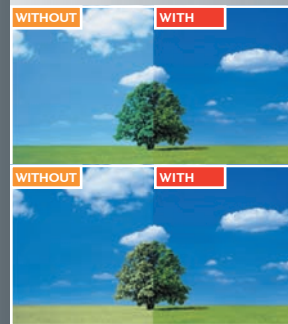
CLEAR SCREEN



Using the noise filter inside the XD Engine® chip, the image is analyzed for temporal and spatial information to reduce MPEG noise.

Simulated Images Dramatization

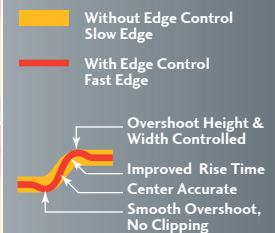
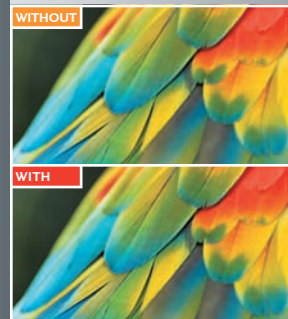
ADVANCED VIVID COLOR



Colors that are sensitive to the human eye are optimized to the nearest TRUE color by the Selective Color Control.

Simulated Images Dramatization

INTELLIGENT EDGE CONTROL



Edge lines are emphasized by improving the transition from the background to the main object.

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STAND OPTIONAL



42PM4M/50PM4M



60PM4M

SPECIFICATIONS

PLASMA MODULE

	42PM4M	50PM4M	60PM4M
PDP Panel Type	42"	50"	60"
Display Area	41.6"	49.9"	59.5"
Aspect Ratio	16:9	16:9	16:9
Native Display Resolution	1024×768 (XGA)	1365×768	1366×768 (WXGA)
Pixels (H×V×3)	2,359,296	3,144,960	3,147,264
Brightness	1500 cd/m ²	1500 cd/m ²	1200 cd/m ²
Contrast Ratio	15,000:1	15,000:1	12,000:1
Viewing Angle (H×V)	160×160		
Color Reproduction (R,G,B)	10 bits		
Filter Type	Glass Filter		
Image Sticking Minimization	White Wash, Pixel Orbiter, Inversion		
Lifetime	Approx. 60,000 hours to half brightness (MTBF)		

VIDEO

	42PM4M	50PM4M	60PM4M
Max. Input Resolution	1600×1200 @ 60Hz (Analog)		
	1280×1024 @ 60Hz (Digital)		
Recommended Resolution	1024×768 @ 60Hz (Analog/Digital)	1360×768 @ 60Hz (Analog/Digital)	1366×768 @ 60Hz (Analog/Digital)
H-Scanning Frequency	30~83kHz (Analog/Digital)		
V-Scanning Frequency	56~75Hz		
Pixel Frequency	165 MHz (D-Sub)/135 MHz (HDMI/DVI)		
Sync Compatibility	Separate/Composite/SOG		
Video Input	RGB Analog/Digital		
PSM (3 presets + 2 User Defined)	Presets: Dynamic/Standard/Mild/User1/User2		
CSM (3 presets + 1 User Defined)	Warm/Normal/Cool/User		
DLTI (Digital Luminance Transient Improver)	Yes		
DCTI (Digital Color Transient Improver)	Yes		
Color Temperature Control	Cool/Medium/Warm/User		
Cinema 3:2/2:2 Pull Down Mode	Yes		
Aspect Ratio Correction	Spectacle/Full/Original/4:3/16:9/14:9/Zoom 1/Zoom 2		

CABINET

	42PM4M	50PM4M	60PM4M
Speakers/Table Stand Optional	Yes	Yes	Yes
Cabinet Color	Black	Black	Black
Monitor Dimensions (W×H×D)	42"×25.6"×3.8"	49.3"×29.3"×4.3"	57.3"×34.8"×4.7"
with Optional Stand & Speakers (W×H×D)	48.3"×27.8"×11.6"	55.6"×31.7"×12.4"	67.7"×38.5"×16.3"
Monitor Carton Dimensions (W×H×D)	45.4"×29.4"×14.4"	52.9"×35.4"×18.2"	62"×41.2"×18.2"
Monitor Weight	62.9 lbs.	85.5 lbs.	130.5 lbs.
Packed Weight	77.4 lbs.	101.4 lbs.	148.8 lbs.
VESA™ Standard Mount Interface	Yes, 600 mm×400 mm (Screw M6)	Yes, 600 mm×400 mm (Screw M6)	No, 704 mm×400 mm (Screw M8)

ACCESSORIES

Supplied accessories:	Owner's Manual/Power Cord (6 foot)/Remote Control (AKB33871403)
Optional Accessories:	
Stand	42PM4M AP-42DM10B 50PM4M AP-50DM11B 60PM4M AP-60DM40
Speakers	42PM4M AP-42SM40 50PM4M AP-50SM40 60PM4M AP-60SM40

UPC

42PM4M	7 19192 17186 2
50PM4M	7 19192 17187 9
60PM4M	7 19192 17265 4

POWER

	42PM4M	50PM4M	60PM4M
Power Consumption	330W	450W	650W
Energy Star Compliant	No		
Power Supply	100-240V~, 50/60Hz		
Power Switch Type	Tact Type (In Local Key)		
Power Saving			
Stand-by/Suspend	1W (RGB)/4W (HDMI/DVI)		
DPM Off (Dynamic Power Mgmt)	1W (RGB)/4W (HDMI/DVI)		
Switch Off	1W		

REAR INPUTS

Component Video & Audio L/R In	2 Hi-Res (BNC)
PC Input via 15-pin female mini D-Sub	1 (RGB)
Composite Video & Audio L/R In	1 (BNC)
Audio In (RGB/DVI with Adapter)	1
HDTV Formats	720p/1080i
PC Formats	Auto Scaling to XGA
HDMI™ with HDCP (DVI with Adapter)	1
RS-232C In (9-pin male D-Sub)	1 (Service/Control)
S-Video In	1 (S-Video has priority but there is no input mode)
Remote Control In (IR)	1
Discrete IR Input	Yes

REAR OUTPUTS

PC Output via 15-pin male mini D-Sub	1 (RGB)
Composite Video & Audio L/R Out	1 (BNC)
RS-232C Out (9-pin female D-Sub)	1
External Speaker Out Terminals	Yes (with Amplifier Integration)

AUDIO

SSM (Sound Status Memory)	Surround MAX/Flat/Music/Movie/Sports/User
AVL (Auto Volume Limiter)	Yes (On/Off)
Audio Output Power	20W (10W×2)
Sound Balance (On/Off)	Yes (for use with optional speakers)

SPECIAL FEATURES

Temperature Sensor	Yes
Split Zoom (Self Video Wall) Matrix	1×2, 2×2, 3×3, 4×4 (Row×Column)
Split Zoom (Self Video Wall) Adjustments	Horizontal and Vertical, Video adjusts for bezel width
Tiling Save & Load	Yes
Vertical Display Mode Menu Rotation	No
Source Selections	HDMI/DVI, RGB, Component 1 or 2, Composite
Brightness/Contrast Control	Yes
Color Control	Warm, Normal, Cool, and User Control (R/G/B)
Tracking (Analog signal)	Auto Config. or Manual Config. (Clock, Phase)
Set-up Language Menu Selection	English/French/Spanish/Korean/Italian/German/Portuguese/Japanese/Chinese
ISM (Image Sticking Minimization)	Normal/White Wash/Pixel Orbiter/Inversion/Orb + Inv (Pixel Orbiter and Inversion combined)
XD (LG's picture improving technology)	XD Contrast/XD Color/XD NR/MPEG NR
Advanced Screen Color Functions	Cinema, Black Level (Auto, High, Low)
Time Functions	Clock/On Time/Off Time (switches to Standby)
Special	Auto Adjust/OSD Lock
Audio Mute	Yes (select from Remote Control)
Sleep Timer Button (on Remote)	Set timer to switch from On to Off
Auto Power/Source Memory	Yes
WUXGA Compatible (1920×1080p)	No (Not compatible with 1080p Source Input)
Child Lock	Yes
Special Features	IP-Cast™ Capable (incl. LST-4100B mounting holes)

STANDARD (CERTIFICATION)

Safety	UL/c-UL/CB scheme
EMC	FCC Class "B"/CE/MIC
RoHS compliant	Yes

SERVICE/LIMITED WARRANTY

Limited Warranty	2 Year Parts/Labor
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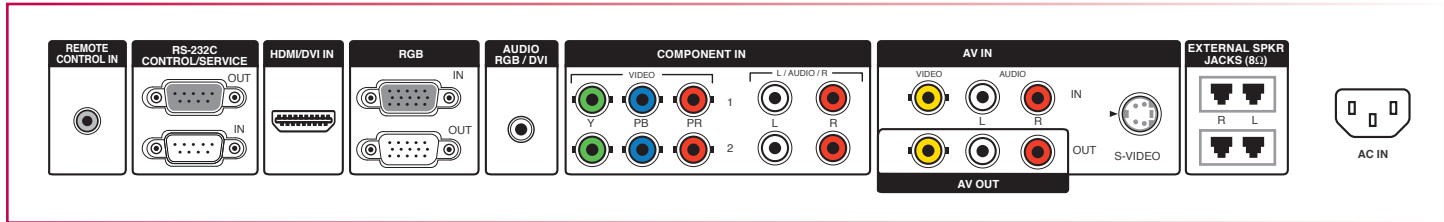
OPERATING ENVIRONMENTS

Storage Temperature Range	-4°F to 140°F (-20°C to 60°C)
Storage Humidity Range	10% to 90% RH
Altitude	Up to 6,561 feet (2,000 m)
Operating Temperature	32°F to 140°F (0°C to 60°C)
Operating Humidity Range	20% to 80% RH

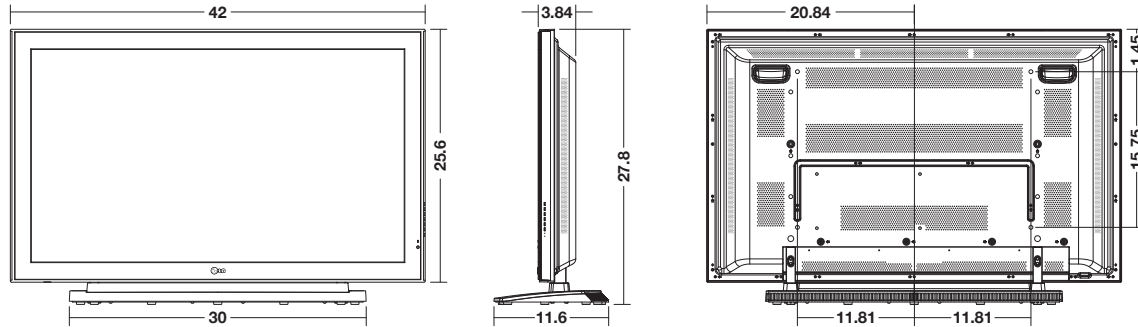
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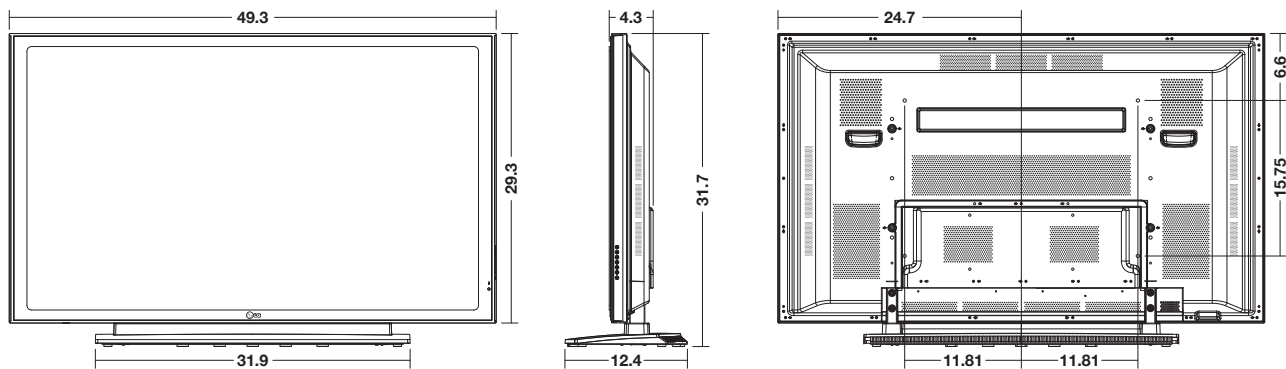
INTERFACE



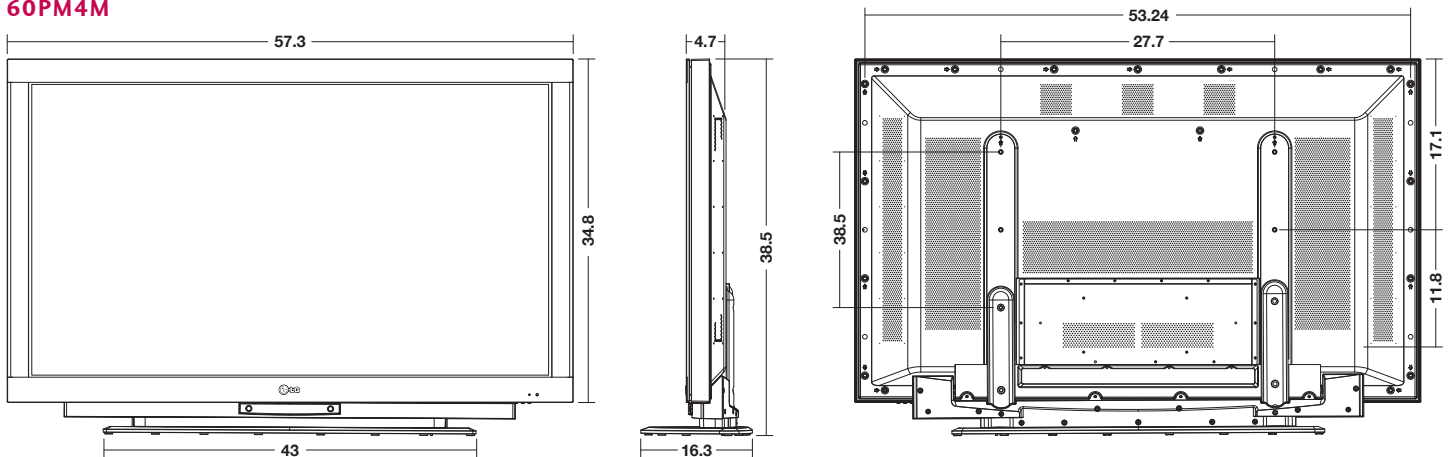
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50PM4M



60PM4M



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