60" CLASS (59.5" DIAGONAL) | **60PM4M**
50" CLASS (49.9" DIAGONAL) | **50PM4M**
42" CLASS (41.6" DIAGONAL) | **42PM4M**

Plasma Widescreen HD Capable Monitors

NATIVE DISPLAY RESOLUTION
1366 x 768 WXGA (60PM4M)
1365 x 768 (50PM4M)
1024 x 768 XGA (42PM4M)

CONTRAST RATIO
12,000:1 (60PM4M)
15,000:1 (42PM4M, 50PM4M)

HIGH BRIGHTNESS
1200 cd/m^2 (60PM4M)
1500 cd/m^2 (42PM4M, 50PM4M)

SPLIT ZOOM (self video wall)
Up to 4 x 4 matrix - adjusts for bezel width

LG EXCLUSIVE XD ENGINE®
XD Contrast/XD Color/XD NR/MPEG NR

IMAGE STICKING MINIMIZATION
Pixel orbiter, white wash, inversion and
orbiter + inversion features

HDMI™ WITH HDCP

RS-232C CONTROL

OPTIONAL SPEAKERS AND STAND

CONVENIENT EXTERNAL SPEAKER OUT TERMINALS

MATTE BLACK BEZEL

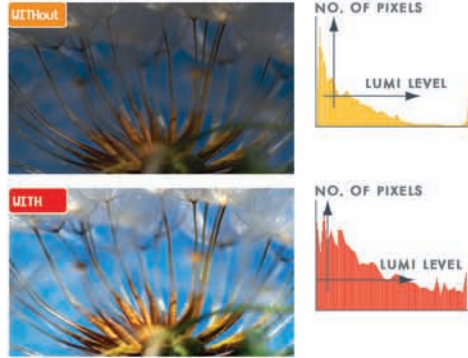2-YEAR LIMITED WARRANTY
(parts/labor)

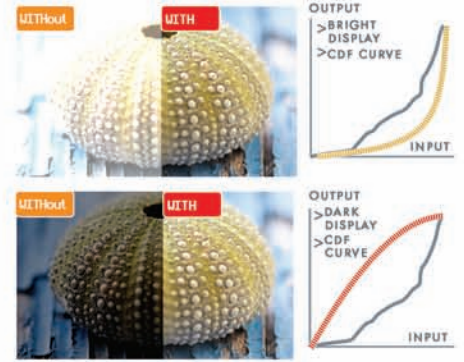www.LGcommercial.com

Life's Good **LG**

XD ENGINE

SHARPER

BRIGHTER

CLEARER

ULTRA CONTRAST
AT A BLAZINGLY FAST 370 MILLION PIXELS PER SECOND, THE PROCESSOR USES A HISTOGRAM ANALYZATION TOOL TO CLARIFY THE IMAGE DATA ACCORDING TO SIGNAL BRIGHTNESS LEVELS.

Dramatization

DYNAMIC BLACK STRETCH
THE MINIMUM BLACK LEVEL OF AN IMAGE IS AUTOMATICALLY DETECTED AND ADJUSTED ACCORDING TO BRIGHTNESS.

Dramatization

OPTIONAL ACCESSORIES

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-60DM40 (black)
45.7"W x 15.5"H x16.3"D
47.3 lbs.

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-60SM40 (black)
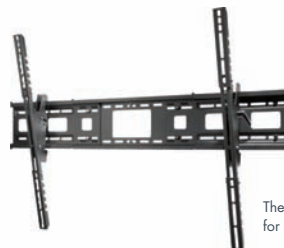5.3"W x 34.8"H x 3.9"D each
5.51 lbs. each

AT-A-GLANCE

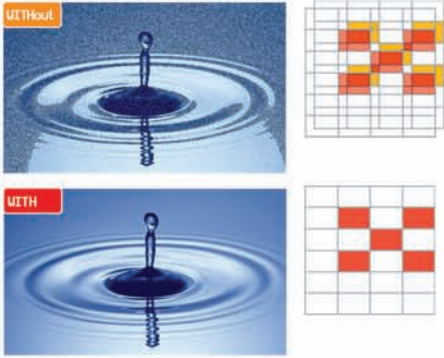|	SPEAKERS	STANDS
42PM4M	AP-42SM40	AP-42DM10B
50PM4M	AP-50SM40	AP-50DM11B
60PM4M	AP-60SM40	AP-60DM40

PWMT300
FIXED OR TILTING WALL MOUNT

• Fits most LG 23" to 60" flat panel screens**
• Easily expandable adapter brackets and wall plate
• Adjustable tilt of +15°/-5° for viewing flexibility
• Intuitive design for easy installation
• Security and standard screws included
• Portrait/landscape capability with mounting hole patterns up to 41"(W) and 26.37" H
• For mounting to wood studs, solid concrete, or cinder block only

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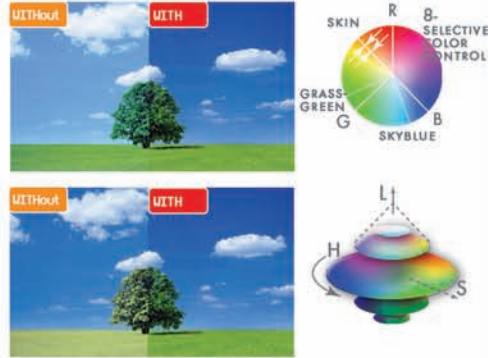
CLEAR SCREEN

USING THE NOISE FILTER INSIDE THE XD ENGINE® CHIP, THE IMAGE IS ANALYZED FOR TEMPORAL AND SPATIAL INFORMATION TO REDUCE MPEG NOISE.
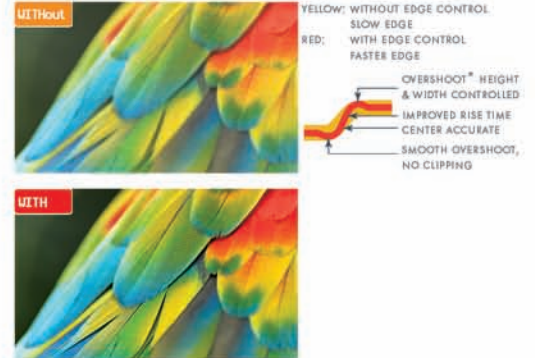

Dramatization

ADVANCED VIVID COLOR

COLORS THAT ARE SENSITIVE TO THE HUMAN EYE ARE OPTIMIZED TO THE NEAREST TRUE COLOR BY THE SELECTIVE COLOR CONTROL.

Dramatization

INTELLIGENT EDGE CONTROL

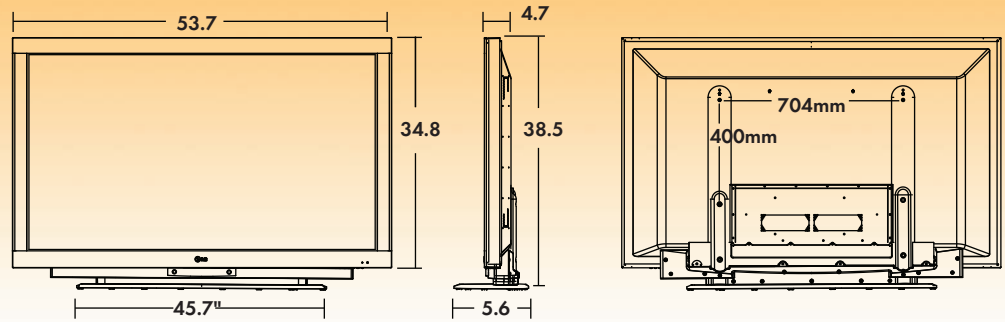EDGE LINES ARE EMPHASIZED BY IMPROVING THE TRANSITION FROM THE BACKGROUND TO THE MAIN OBJECT.

Dramatization

DIMENSIONS

AKB33871403
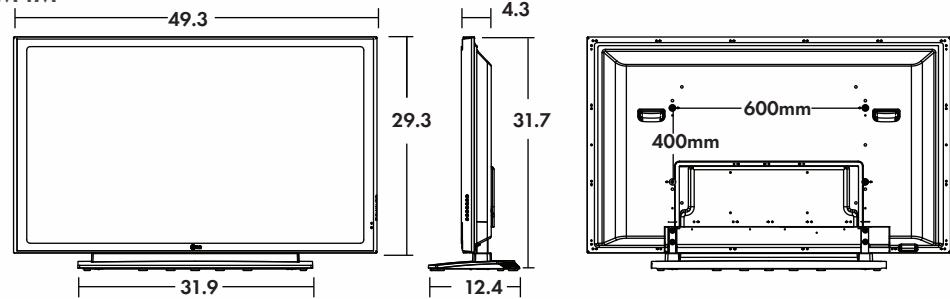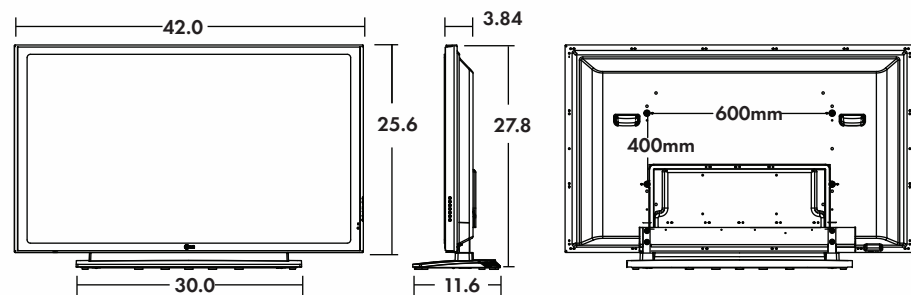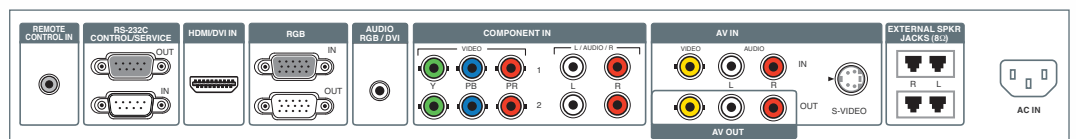REMOTE CONTROL

60PM4M

53.7 — 34.8 — 45.7" — 4.7 — 38.5 — 5.6 — 704mm — 400mm

50PM4M

49.3 — 29.3 — 31.9 — 4.3 — 31.7 — 12.4 — 600mm — 400mm

42PM4M

42.0 — 25.6 — 30.0 — 3.84 — 27.8 — 11.6 — 600mm — 400mm

REAR JACK PACK PANEL

60PM4M | 60" CLASS (59.5" DIAGONAL)

50PM4M | 50" CLASS (49.9" DIAGONAL)

42PM4M | 42" CLASS (41.6" DIAGONAL)

SPECIFICATIONS

SPECIFICATIONS

PDP Panel Type	42" (42PM4M), 50" (50PM4M), 60" (60PM4M)
Display Area	41.6" (42PM4M), 49.9" (50PM4M), 59.5" (60PM4M)
Aspect Ratio	16:9
Native Display Resolution	1024 × 768 (XGA) (42") 1365 × 768 (50") 1366 × 768 (WXGA) (60")
Pixels (H×V×3)	2,359,296 (42") 3,144,960 (50") 3,147,264 (60")
Brightness	1500 cd/m² (42"/50") 1200 cd/m² (60")
Contrast Ratio	15,000:1 (42"/50") 12,000:1 (60")
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

Max. Input Res.	1600×1200@60Hz (Analog) 1280×1024@60Hz (Digital)
Recommended Resolution (Analog/Digital)	1024 × 768 @ 60Hz (42") 1360 × 768 @ 60Hz (50") 1366 × 768 @ 60Hz (60")
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)	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

Speakers/Table Stand (Optional)	Yes
Cabinet Color	Matte Black
Monitor Dimensions (W×H×D)	42" × 25.6" × 3.8" (42PM4M) 49.3" × 29.3" × 4.3" (50PM4M) 57.3" × 34.8" × 4.7" (60PM4M)
with Optional Stand & Speakers (W×H×D)	48.3" × 27.8" × 11.6" (42PM4M) 55.6" × 31.7" × 12.4" (50PM4M) 67.7" × 38.5" × 16.3" (60PM4M)
Monitor Carton Dimensions (W×H×D)	45.4" × 29.4" × 14.4" (42PM4M) 52.9" × 35.4" × 18.2" (50PM4M) 62" × 41.2" × 18.2" (60PM4M)
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, 600mm×400mm (Screw M6) (42/50") No, 704mm×400mm (Screw M8) (60")

ACCESSORIES

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

UPC

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

POWER

Power Consumption	330 Watts (42") 450 Watts (50") 650 Watts (60")
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 (RGB)
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

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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