

42PC5DC 50PC5DC

42" and 50" Plasma Integrated HDTVs



REMOVABLE STAND INCLUDED



product
design
award

2007

- Built-in ATSC/NTSC/QAM Clear Tuners
- **New** "Public Display Settings" – Cloneable with TVLink-Loader
- **New** Clear FilterPRO™ with eXtreme Contour Compensation (XCC)
- **New** LG SimpLink™
- 1500 cd/m² High Brightness
- 2 HDMI™ Inputs with HDCP
- LG's Exclusive XD Engine®
- 42PC5DC – 1024×768 Native Display Resolution
10,000:1 Contrast Ratio
- 50PC5DC – 1366×768 Native Display Resolution
15,000:1 Contrast Ratio

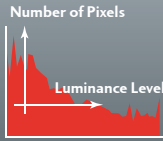
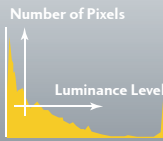


At a blazingly fast 370 million pixels per second, the processor uses a histogram analysis tool to clarify the image data according to signal brightness levels.

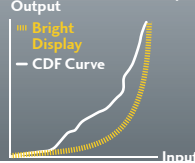
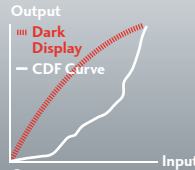
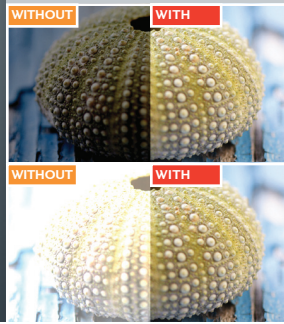
The minimum black level of an image is automatically detected and adjusted according to brightness.

Using the noise filter inside the X is analyzed for temporal and spatial MPEG noise.

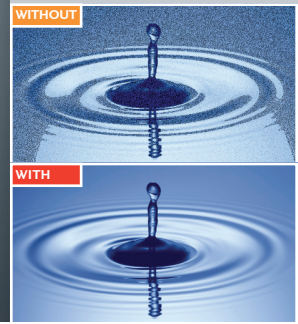
ULTRA CONTRAST



DYNAMIC BLACK STRETCH



CLEAR SCREEN

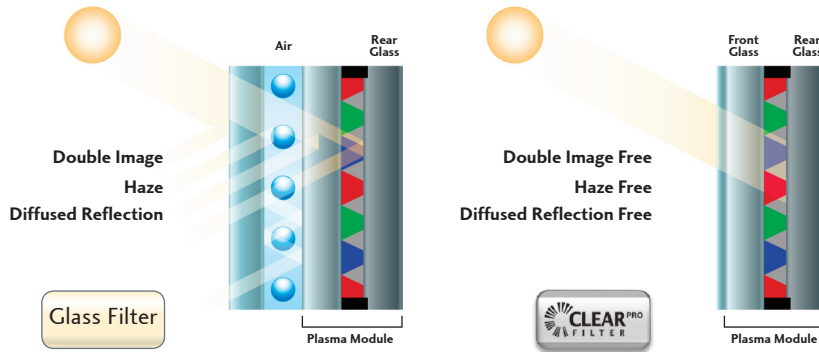


XD[®]
ENGINE

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.

CLEAR FILTER^{PRO}™ WITH XCC EXTREME CONTOUR COMPENSATION

The Clear Filter^{PRO}™ helps to limit the reflection on screen in brightly lit rooms, virtually eliminates haze, and reduces double imaging. With XCC, the contour noise is minimized to provide a more uniform color in areas where motion and gradual light transitioning occurs.



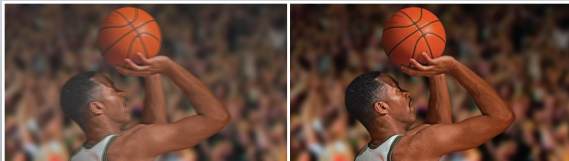
PUBLIC DISPLAY SETTINGS

When used in public areas, these HDTVs can be easily programmed by the installer to have the TV turn on at a specified channel/volume level, set the minimum/maximum volume, lock out the control panel/remote, set the aspect ratio, and return to a factory reset. By using Power Management, these displays can be programmed to turn off if there has been no activity (remote or control panel buttons) for a preset time (1-7) hours.

Public Display Settings	
Public Display Mode	Yes
Start Channel	Yes
Ch. Type	DTV
Major	12
Minor	2
Minimum Volume	0
Maximum Volume	100
Start Volume	Yes
Level	15
Power Management	Yes
Setting	7
Key Management	0
Factory Reset	0
Aspect Ratio	0



ANTI-REFLECTION



HAZE-FREE



XCC
eXtreme Contour Compensation

Glass Filter



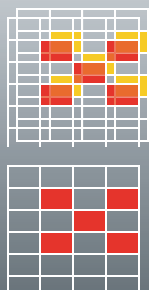
TVLINK-LOADER TLL-1100A

By using the handheld, rechargeable TVLink-Loader, the installer can "clone" the Public Display Settings from one TV and then transfer this information quickly to many other TVs that have this feature.

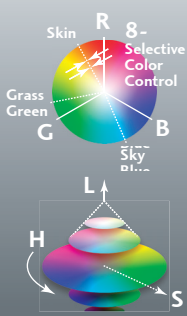
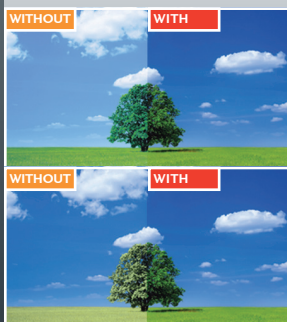
D Engine® chip, the image information to reduce

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

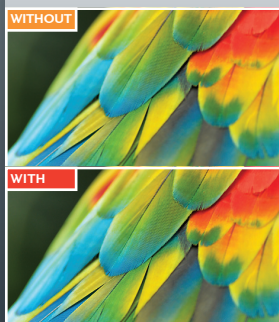
Edge lines are emphasized by improving the transition from the background to the main object.



ADVANCED VIVID COLOR



INTELLIGENT EDGE CONTROL



Without Edge Control
Slow Edge

With Edge Control
Fast Edge

Overshoot Height & Width Controlled

Improved Rise Time
Center Accurate

Smooth Overshoot,
No Clipping

SPECIFICATIONS

PLASMA MODULE

Screen Size
Native Display Resolution
Contrast Ratio
Brightness
Life Span
High Contrast Screen w/Non-Glare Coating
Viewing Angle

42PC5DC

42
1024×768 (XGA)
10,000:1
1,500 cd/m²
60,000 hours to Half Brightness
Clear FilterPRO™ with XCC
over 178°

50PC5DC

50
1366×768 (WXGA)
15,000:1

SPECIAL FEATURES

Public Display Settings

Public Display Mode
Start Channel
Minimum Volume
Maximum Volume
Start Volume
Power Management (Auto Power Off)
Key Management (Key lock for controls/remote)
Factory Reset
Aspect Ratio

VIDEO

Pixel Pitch
ATSC/NTSC/QAM Clear Tuners
Program Guide Type
Digital Comb Filter
Color Temperature Adjustment
3:2 Pulldown Cinema Correction
Aspect Ratio Adjustment
EZ Video/Picture Selection Modes
XD Engine®
Black Stretcher (Black Level Enhancer)
DTV Signal Strength Indicator
Displayable Colors
Enhanced Noise Reduction
Image Sticking Minimization
Decoder Formats
DLTI (Digital Luminance Transient Improver)
DCTI (Digital Color Transient Improver)

42PC5DC

900µm×676µm
Built-in
Brief Info
3D Y/C
4 Modes
Yes (480i/1080i)
6 Modes
5 Modes
Yes
Yes
Yes
281.5 Trillion
Yes
White Wash, Pixel Orbiter, Inversion
MPEG-2
Yes
Yes

50PC5DC

810µm×810µm

SimpLink™
Custom Input Labels
Trilingual Menus
EZ Menus (High Performance Interface)
EZ Scan (Auto Channel Programming)
Favorite Channel Selection/Surf
Flashback (Previous Channel)
Closed Caption
Intelligent Fan Control
Parental Control w/V-Chip
On/Off Timer
Sleep Timer
Auto Off (When no video is present)
Auto Clock/Manual Clock
Auto Input Detect
Channel Block
Freeze
Discrete IR Codes
1080p Source Input

Yes
Yes
English, Spanish, French
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes (10 min. to 240 min.)
Yes (After 10 minutes)
Yes
Yes
Yes
Yes
Yes
HDMI 30p/24p
Component 30p/24p

REAR INPUTS

Antenna/Cable In (RF) 1
HDMI with HDCP (DVI with Adapter) 2
Composite Video & Audio L/R In 1
S-Video In 1
Component HD/DVD & Audio L/R In 2
RGB In (15-pin female mini D-Sub) 1 (PC/DTV Input)
Audio In (RGB/DVI with Adapter) 1
RS-232C In (9-pin male D-Sub) 1 (Control/Service)
Remote Control In (IR) 1
USB 1 (Service)

REAR OUTPUTS

Composite Video & Audio L/R Out 1
Digital Audio Out (Optical) 1

SIDE INPUTS

Composite Video & Audio L/R In 1
S-Video In 1

UPC

42PC5DC
7 19192 17168 8

50PC5DC
7 19192 17169 5

AUDIO

Audio Output Power 20W (10W×2)
Speaker System Details 1 Way 2 Speaker
Surround System Type SRS TruSurround XT™
Mono/MTS Stereo/SAP Yes
EZ Sound/Sound Selection Mode 5 Modes
Mute Yes
EZ SoundRite (Auto Volume Limiter) Yes
Bass/Treble/Balance Yes
Dolby Digital Decoder Yes

POWER

Power Consumption 42PC5DC 329 Watts
1 Watt in Standby
50PC5DC 418 Watts
Power Source AC 100-240V ~50/60 Hz
Energy Star Compliant Yes

CABINET

Dimensions with Stand (W×H×D)
without Stand (W×H×D)
packaging (W×H×D)
Weight with Stand
Weight without Stand
Weight with packaging
Cabinet Style
Table Stand Included
Cabinet Color
Stand Color
VESA™ Compatible

42PC5DC

41.3"×30.2"×12.2
41.3"×28.1"×3.3
44.1"×34.4"×15.2
61.8 lbs (28 Kg)
54.3 lbs (24.6 Kg)
71.2 lbs (32.3 Kg)
Table Top
Yes (Detachable)
High Gloss Black and Titan Silver
High Gloss Black
600mm×400mm, M8

50PC5DC

48.9"×34.9"×14.6
48.9"×32.6"×3.5
52.4"×39.9"×18.2
86.7 lbs (39.3 Kg)
76.3 lbs (34.6 Kg)
104.5 lbs (47.4 Kg)

OPERATING ENVIRONMENTS

Storage Temperature Range
Storage Humidity Range
Altitude
Operating Temperature
Operating Humidity Range
RoHS Compliant

-4°F to 140°F (-20°C to 60°C)
under 85%
Up to 6,561 feet (2,000m)
32°F to 104°F (0°C to 40°C)
under 80%
Yes

COMPATIBLE FORMATS

HDTV, NTSC, VGA, SVGA, XGA
Maximum Computer Resolution (RGB)

42PC5DC

Yes
1024×768

50PC5DC

Yes
1024×768

REQUIRED APPROVALS

UL, c-UL, FCC

Yes

SERVICE/LIMITED WARRANTY

Warranty

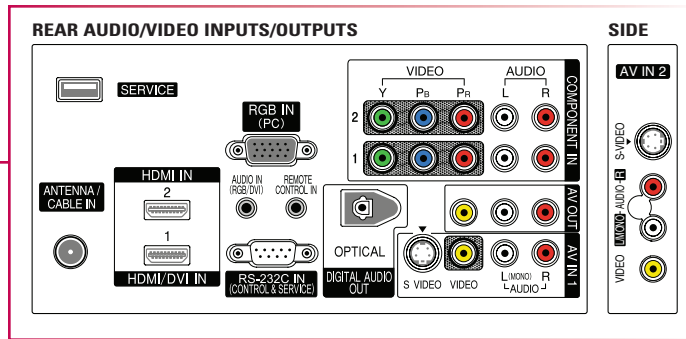
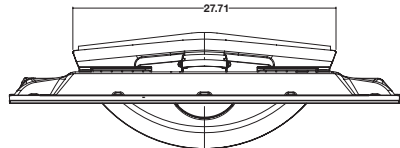
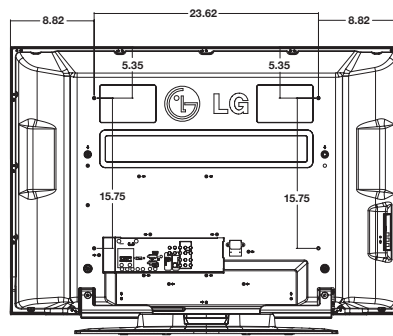
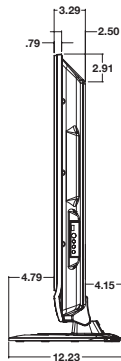
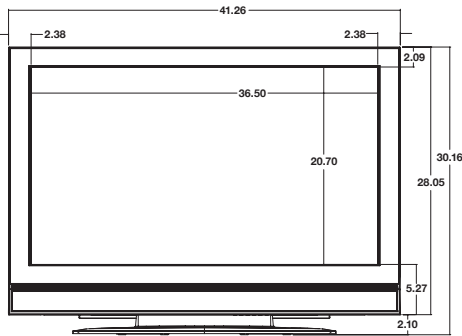
2 Years Parts/Labor

ACCESSORIES

Supplied accessories:

Owners Manual
Power Cord (6 foot)
LG Universal Remote Control
75Ω Round Cable (10 foot)

42PC5DC

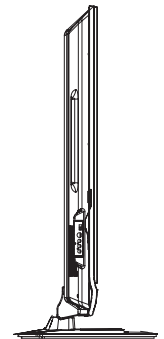
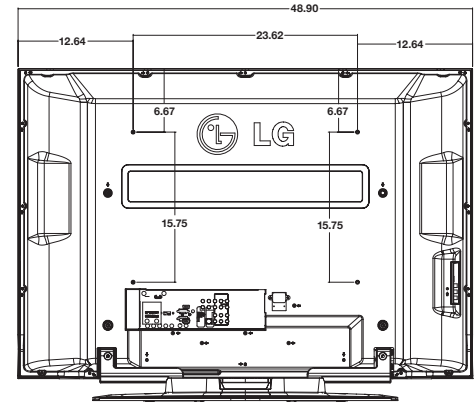
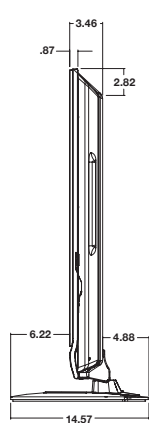
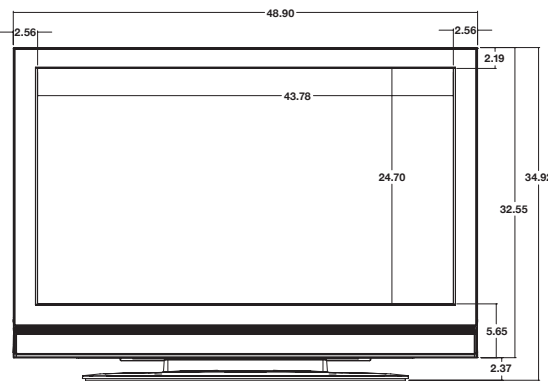
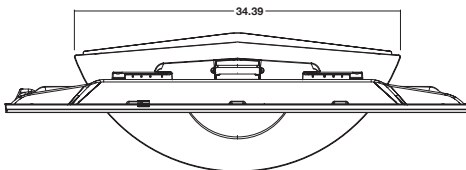


REMOTE (included)

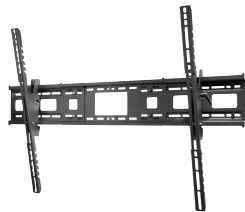


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50PC5DC

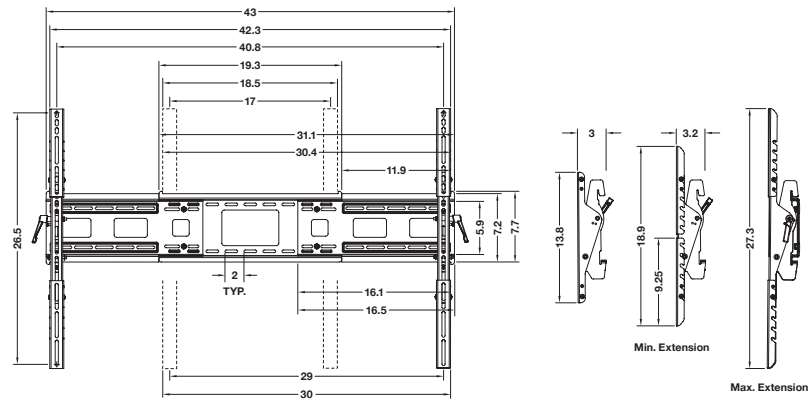


PWMT300 FIXED OR TILTING WALL MOUNT



The PWMT300 Flat Panel Modular Wall Mount's intuitive design makes it easy to mount a PC5 Series Plasma with the expandable brackets

and the three included wall plates. Using this wall mount, the PC5 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.

www.LGcommercial.com

LG Electronics USA, Inc. 2000 Millbrook Drive, Lincolnshire, IL 60069 Customer Service: 1-888-865-3026

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