



PLASMA TV

50PS80

50" Broadband Full HD 1080p Plasma TV
(50.0" diagonal)



The 2nd generation "single layer" design will make a dramatic statement in any home. Featuring THX Display Certification for exceptional image quality and THX Media Director for automatic content-based settings. Add broadband connectivity for the ultimate entertainment experience.

TV

- LG NetCast™ Entertainment Access* (Netflix®, YouTube™, Yahoo!® Widgets, My Media Access CIFS)
- Full HD 1080p Resolution
- 600Hz Sub Field Driving Max
- 2,000,000:1 Dynamic Contrast Ratio
- THX® Certified Display
- THX® Media Director™
- Single Layer Design
- 1,500 cd/m² Brightness
- Image Sticking Minimization
- Dual XD® Engine
- ISFccc® Ready
- AV Mode II (Cinema, Sports, Game)
- Picture Wizard
- LG SimpLink™ Connectivity
- 100,000 Hour Panel Life (typ.)
- NTSC/ATSC Tuners with Clear QAM

AUDIO

- Output Power: 10W x 2
- Invisible Speaker
- Clear Voice II
- SRS TruSurround XT™
- Auto Volume Leveler
- Dolby® Digital 5.1 Decoder

SMART ENERGY SAVINGS

- Intelligent Sensor Mode
- Video Mute
- ENERGY STAR® 3.0 Rated

CONNECTIVITY

- 4 HDMI™ V1.3 with Deep Color (2 rear/2 side)
- 1 Ethernet (rear)
- 2 HD Component Video Inputs (rear)
- 2 Composite Inputs (1 rear/1 side)
- 1 S-Video Input (rear)
- 2 Digital Audio Out (1 Digital/1 Optical) (rear)
- USB 2.0 (JPEG/MP3/Divx HD) (side)
- PC Connectivity (D-sub 15pin)
- RF Antenna input

CORE TECHNOLOGIES

AV MODE II

invisible II. SPEAKER. II

CLEAR VOICE II

Picture Wizard

SINGLE LAYER

NetCast ENTERTAINMENT ACCESS

THX

FULL HD 1080P

600Hz MAX Sub Field Driving

DUAL XD ENGINE

isf ccc

SIMPLINK

SRS TruSurround XT DIGITAL

Smart Volume Controller

DOLBY DIGITAL

Smart Energy Saving

ENERGY STAR

HDMI HIGH DEFINITION MULTIMEDIA INTERFACE

USB 2.0

20° Swivel Stand

Instant streaming ready NETFLIX

YouTube

YAHOO!

*Internet connection required and sold separately. Netflix subscription required.

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50" Broadband Full HD 1080p Plasma TV
(50.0" diagonal)



PLASMA SPECIFICATION

Screen Size	50" Class (50.0" diagonal)
Native Display Resolution	1920 x 1080p
Brightness (cd/m ²)	1,500
Dynamic Contrast Ratio	2,000,000:1
Color Reproduction	10Bit
Image Sticking Minimization (ISM)	3 Modes
600Hz Sub Field Driving Max	•
Altitude	2,900m/9,514ft
Life Span (Typical)	100,000 hours

BROADCASTING SYSTEM

Analog	•
ATSC/NTSC/Clear QAM	•

VIDEO

Dual XD Engine®	•
Aspect Ratio	16:9
Aspect Ratio Correction	6 Modes
Just Scan (1:1 Pixel Matching)	•
- HDMI™	1080p/1080i/720p
- Component	1080p/1080i/720p
- RF	1080i/720p

Enhanced Noise Reduction (Video Noise Filter)	• (3D & MPEG)
Color Temperature Control	3 Modes

3:2 Pulldown	•
Picture Reset	•
AV Mode II (Picture & Sound)	3 Modes
Picture Mode	7 Modes
ISFccc Ready	•
Intelligent Sensor Mode	•
XD Color	•
THX Certified Display	•
DTV Signal Strength Indicator	•

AUDIO

Mono/Stereo/Dual (MTS/SAP)	•
Audio Output Power (Watts - THD 10%)	10W + 10W
Invisible Speaker System Details	1 Way 2 Speaker
Dolby® Digital Decoder	•
Surround System Type	SRS TruSurround XT
Bass/Treble/Balance Controls	•
Clear Voice II	•
Auto Volume Leveler II	•
Sound Mode	5 Modes

SPECIAL FEATURES

Netflix Instant Streaming Ready	•
Yahoo! Widgets System	•
My Media Access (CIFS)	•
THX Media Director	•
Picture Wizard	•
Freeze Frame	•
Smart Energy Saving	•
Mechanical Power Off	•
1080p Source Input	•
- HDMI	60p/30p/24p
- Component	60p/30p/24p
- RGB	60p

A/V Input Navigation	•
Input Labeling	•
Quick View (Previous Channel)	•
Quick Setup Guide	•
e-Manual	•
Parental Control w/V-Chip	•
Key Lock	•
Closed Caption	•
LG SimpLink (HDMI CEC)	•

CONVENIENCE FEATURES

Language	English/Spanish/French/Korean
Alvin UI	•
Auto Tuning/Programming	•
Channel Add/Delete	•
Channel Labeling	•
Favorite Channel Programming	•
Auto/Manual Clock	•
On/Off Timer	•

CONVENIENCE FEATURES (CONTINUED)

Sleep Timer	•
Auto Off/Auto Sleep (When no video is present)	•

SIDE AUDIO/VIDEO INPUTS/OUTPUTS

L/R Audio/Component Video In	1
HDMI/HDCP Input	2 (V1.3 with Deep Color)
USB 2.0 (JPEG/MP3/DivX HD)	1

REAR AUDIO/VIDEO INPUTS/OUTPUTS

RF In (Antenna/Cable)	1
L/R Audio/Component Video In	1
S-Video In	1
HD Component Video In (Y,Pb,Pr) + L/R Audio	2
Digital Audio Out	2 (1 digital/ 1 optical)
HDMI/HDCP Input	2 (V1.3 with Deep Color)
RGB In (D-Sub 15pin) - PC	1
PC Audio Input	1
RS-232c In (Control/Service)	1
Remote Control In Port	1

CABINET/ACCESSORIES

Cabinet Color	Glass
Stand Swivel	20°/20°
VESA® Compliant (WxH)	400mm x 400mm
Remote Control Type	Unified

POWER

Voltage, Hz	100V - 240V, 50/60 Hz
On Mode (Average)	282W
Stand-by Mode	0.13W
ENERGY STAR 3.0 Compliant	•

DIMENSIONS & WEIGHT

TV without stand (WxHxD)	48.3" x 31.3" x 3.1"
TV with stand (WxHxD)	48.3" x 32.9" x 14.3"
Shipping Dimensions (WxHxD)	58.9" x 34.7" x 11.3"
TV without stand weight	75.6 lbs
TV with stand weight	82.2 lbs
Shipping weight	95.1 lbs

WARRANTY/UPC

Limited Warranty	1 Year Parts & Labor/2 Year Panel
UPC	719192175266

Design, features and specifications subject to change without notice. Non-metric weights and measurements are approximate. © 2009 LG Electronics U.S.A., Inc., Englewood Cliffs, NJ. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. All other trademarks are the property of their respective owners. 03/31/09

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