

50PG20

PLASMA HDTV 50" Class (49.9" diagonal)

- 720p HD Resolution
- Dual XD Engine™
- 20,000:1 Contrast Ratio
- Fluid Motion (180Hz Effect)
- 3x HDMI™ V.1.3 with Deep Color
- AV Mode (Cinema, Sports, Game)
- Clear Voice
- LG SimpLink™ Connectivity
- Invisible Speakers
- 100,000 Hours to Half Brightness
- PC Input



HD RESOLUTION

High definition television is the highest performance segment of the DTV system used in the US. It's a wide screen, high-resolution video image, coupled with multi-channel, compact-disc-quality sound.

FLUID MOTION (180 HZ EFFECT)

Enjoy smoother, clearer motion with all types of programming such as sports and action movies. The moving picture resolution give the impression of performance of up to 3x the panels actual refresh rate.

AV MODE

LG HDTVs include 3 AV Modes, preset to optimize picture and sound settings based on "Cinema", "Sports" or "Game" content. AV Modes can be easily set with a convenient button on the remote control.

CLEAR VOICE TECHNOLOGY

Automatically enhances and amplifies the sound of human voice frequency range to help keep dialogue audible when background noise swells.

INVISIBLE SPEAKERS SYSTEM

LG's 2008 line of TVs include a unique invisible speaker system, tuned by renowned audio expert, Mr. Mark Levinson. Speakers are embedded in strategic spots behind the front cabinet and use minute vibrations to turn the entire front bezel into the speaker system. The result is a clean, polished look, and enhanced audio by increasing the "sweet spot", giving a wider sound field.



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TECHNICAL SPECIFICATIONS

LCD PANEL

| | |
|---------------------------------------|--------------------|
| Native Display Resolution | 1365 x 768p |
| Brightness (cd/m ²) | 1,500 |
| Dynamic Contrast Ratio | 20,000:1 |
| ISM (Image Sticking Minimization) | 3 Modes |
| Non-Reflective Black Matrix Structure | • |
| Fluid Motion 180Hz Effect | • |
| Pure Black Level | • |
| Altitude | 2,000 m / 6,561 ft |
| 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 Line Doubler | • |
| Enhanced Noise Reduction (Video Noise Filter) | • (3D & MPEG) |
| Color Temperature Control | 4 Modes |
| Black Stretcher (Black Level Enhancer) | • |
| 3:2 Pulldown | • |
| Picture Reset | • |
| AV Mode (Picture & Sound) | 3 Modes |
| Picture Selection Mode | 7 Modes |
| DTV Signal Strength Indicator | • |

AUDIO

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

SPECIAL FEATURES

| | |
|---------------------------------------|------------------------|
| 1080P Source Input | • |
| - HDMI | 60p/30p/24p |
| - Component | 60p/30p/24p |
| - RGB | 60p |
| A/V Input Navigation | • |
| Auto Navigation | • |
| Input Labeling | • |
| Quick View (Previous Channel) | • |
| Clear Voice (On/Off) | • |
| Quick Setup Guide | • |
| Parental Control w/V-Chip | • |
| Key Lock | • |
| Closed Caption | • |
| LG SimpLink™ (HDMI CEC) | • |
| Trilingual Menus | English/French/Spanish |
| EZ Menus (High Performance Interface) | • |
| Channel Add/Delete | • |
| Favorite Channel | • |
| Auto Clock | • |
| Manual Clock | • |
| On/Off Timer | • |
| Sleep Timer | • |
| Auto Off (When no video is present) | • |

SIDE AUDIO/VIDEO INPUTS/OUTPUTS

| | |
|------------------------------|------------------|
| L/R Audio/Composite Video In | 1 |
| HDMI/HDCP In | 1 |
| USB 2.0 | 1 (Service Only) |

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 | 1 (Optional) |

REAR AUDIO/VIDEO INPUTS/OUTPUTS (CONTINUED)

| | |
|------------------------------|---------------------------|
| HDMI/HDCP Input | 2 (V.1.3 with Deep Color) |
| RGB In (D-Sub 15pin) - PC | 1 |
| PC Audio Input | 1 |
| RS-232c In (Control/Service) | 1 |
| Remote Control In (IR) | 1 |

CABINET/ACCESSORIES

| | |
|--------------------------|--------------------|
| Cabinet Style | One Piece |
| Cabinet Color | Glossy Piano-black |
| Remote Control Type | Universal |
| Stand | Fixed |
| VESA® Compatible (W x H) | 400mm x 400mm |

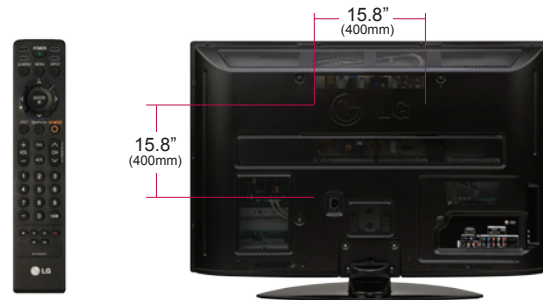
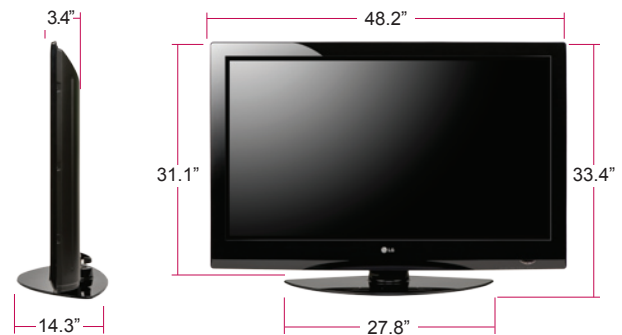
POWER

| | |
|-----------------------|------|
| Consumption (Typical) | n/a |
| Stand-by Consumption | >1 W |
| Energy Star Compliant | • |

SPECIFICATIONS

| | |
|------------------------------------|--------------------------------------|
| Dimensions w/out stand (W x H x D) | 48.2" x 31.1" x 3.4" |
| Weight w/out stand | 83.3 lbs |
| Dimensions w/stand (W x H x D) | 48.2" x 33.4" x 14.3" |
| Weight w/stand | 92.1 lbs |
| Dimensions w/packaging (W x H x D) | 52.4" x 39.8" x 18.1" |
| Weight in package | 111.8 lbs |
| UPC | 719192172852 |
| Limited Warranty | 1 Year Parts & Labor / 2 Years Panel |

DIMENSIONS/REMOTE/INPUTS/OUTPUTS



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