

42LG50

LCD 1080P HDTV 42" Class (42.0" diagonal)

- Full HD 1080p Resolution
- 15,000:1 Dynamic Contrast Ratio
- 3x HDMI™ V.1.3 with Deep Color
- Intelligent Sensor
- 24p Real Cinema
- AV Mode (Cinema, Sports, Game)
- Clear Voice
- LG SimPLink™ Connectivity
- Invisible Speaker System
- USB 2.0 (JPEG, MP3)
- ISFccc



FULL HD 1080P RESOLUTION

Displays HDTV programs in full 1920 x 1080p resolution for a more detailed picture.

INTELLIGENT SENSOR

Unlike other sensors which can only sense brightness of ambient light, LG's "Intelligent Sensor" uses 4,096 sensing steps to evaluate its surroundings. Using a sophisticated algorithm, the LG processes picture quality elements including brightness, contrast, color, sharpness and white balance. The result is a picture optimized for it's surroundings, more pleasing to watch and which can also save up to 50% in power consumption.

AV MODE

The AV Mode optimizes the picture into Cinema, Sports, and game Mode according to the video and audio content. The viewer has the ability to quickly choose the correct mode for the picture they are viewing.

CLEAR VOICE TECHNOLOGY

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

ISFccc

This TV contains the detailed calibrations necessary for professional certification by the Imaging Science Foundation. The resulting ISF "day" and "night" modes will then be accessible by the user to experience the best their LG HDTV has to offer.



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LCD 1080P HDTV
42" Class (42.0" diagonal)

TECHNICAL SPECIFICATIONS

LCD PANEL

| | |
|---------------------------------|--------------|
| Native Display Resolution | 1920 x 1080p |
| Brightness (cd/m ²) | 500 |
| Dynamic Contrast Ratio | 15,000:1 |
| Viewing Angle | 178° x 178° |
| Response Time (Grey to Grey) | 5ms |
| Wide Color Control | • |
| Life Span (Typical) | 60,000 hours |

BROADCASTING SYSTEM

| | |
|---------------------|---|
| Analog | • |
| ATSC/NTSC/Clear QAM | • |

VIDEO

| | |
|--------------------------------|------------------|
| 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) | • |
| 24p Cinema (Film Mode) | • |
| Picture Reset | • |
| AV Mode (Picture & Sound) | 3 Modes |
| Picture Selection Mode | 8 Modes |
| ISFccc | • |
| Intelligent Sensor Mode | • |
| DTV Signal Strength Indicator | • |

AUDIO

| | |
|--------------------------------------|------------------------------------|
| Mono/Stereo/Dual (MTS/SAP) | • |
| Audio Outout Power (Watts - THD 10%) | 10W + 10W |
| Speaker System Details | 2 Way 4 System (Invisible Speaker) |
| Dolby® Digital Decoder | • |
| Surround System Type | SRS TruSurround XT™ |
| Bass/Treble/Balance Controls | • |
| Auto Volume Leveler | • |
| Sound Mode | 4 Modes |
| Mute | • |

SPECIAL FEATURES

| | |
|---------------------------------------|------------------------|
| Intelligent Sensor | • |
| 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) | • |
| Picture Still / Freeze | • |
| 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/HDPC In | 1 |
| USB 2.0 (Music and Photos only) | 1 (JPEG/MP3) |

REAR AUDIO/VIDEO INPUTS/OUTPUTS

| | |
|------------------------------|---|
| RF In (Antenna/Cable) | 1 |
| L/R Audio/Component Video In | 1 |
| L/R Audio Out | 1 |
| S-Video In | 1 |

REAR AUDIO/VIDEO INPUTS/OUTPUTS (CONTINUED)

| | |
|---|---------------------------|
| HD Component Video In (Y,Pb,Pr) + L/R Audio | 2 |
| Digital Audio Out | 2 (1 Coaxial/1 Optical) |
| HDMI/HDPC 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 | Table Top |
| Cabinet Color | Glossy Piano-black |
| Remote Control Type | Universal |
| Stand Swivel (degrees) | 20° / 20° |
| VESA® Compatible (W x H) | 200mm x 200mm |

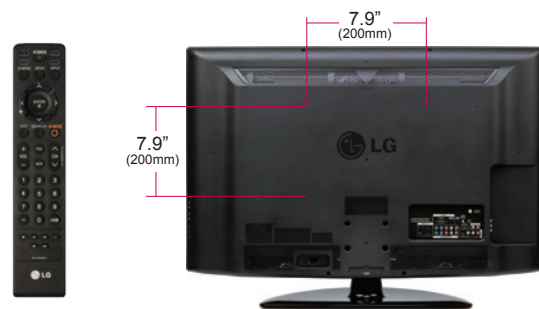
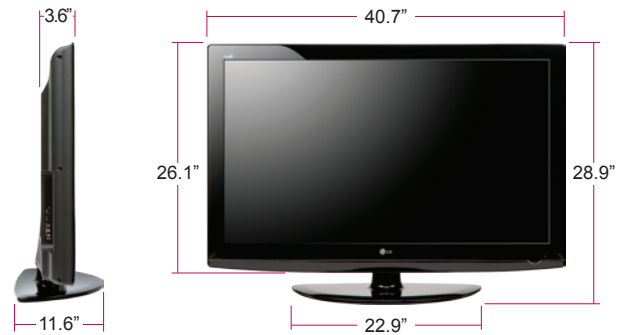
POWER

| | |
|-----------------------|------|
| Consumption (Typical) | 227W |
| Stand-by Consumption | <1W |
| Energy Star Compliant | • |

SPECIFICATIONS

| | |
|------------------------------------|-----------------------|
| Dimensions w/out stand (W x H x D) | 40.7" x 26.1" x 3.6" |
| Weight w/out stand | 49.6 lbs |
| Dimensions w/stand (W x H x D) | 40.7" x 28.9" x 11.6" |
| Weight w/stand | 54.0 lbs |
| Dimensions w/packaging (W x H x D) | 52.4" x 9.8" x 29.5" |
| Weight in package | 64.0 lbs |
| UPC | 719192173019 |
| Limited Warranty | 1 Year Parts/Labor |

DIMENSIONS/REMOTE/INPUTS/OUTPUTS



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