

55" CLASS (55.0" DIAGONAL)

47" CLASS (47.0" DIAGONAL)

42" CLASS (42.0" DIAGONAL)

37" CLASS (37.0" DIAGONAL)

32" CLASS (31.5" DIAGONAL)

55LD650H HI GLOSS BLACK

47LD650H HI GLOSS BLACK

42LD650H HI GLOSS BLACK

42LD655H MATTE BLACK

37LD650H HI GLOSS BLACK

37LD655H MATTE BLACK

32LD650H HI GLOSS BLACK

32LD655H MATTE BLACK

LCD TV

Pro:Centric™ LCD Widescreen

HDTV with Applications Platform



LG's EXCLUSIVE Pro:Centric APPLICATIONS PLATFORM
Supports Java™ and Adobe® Flash® applications

b-LAN™ INTEGRATION

Includes full support of:
LodgeNet®'s HD Video On Demand (VOD)
LodgeNet's HD Free-To-Guest (FTG)
Supports many other FTG system providers (see sales rep)
Compatible with FMA-LG101



ENERGY STAR 4.1 QUALIFIED & RoHS COMPLIANT



EcoSmart™
Intelligent Sensor
Dynamic Power Savings
Static Power Savings

MPEG-4 DECODING

HD VOD PPV ENCRYPTION
Integrated Pro:Idiom

USB CLONING

USB 2.0 MEDIA HOST
for photos and music

NATIVE DISPLAY RESOLUTION
1920 x 1080 (37"/42"/47"/55")
1366 x 768 (32")

NEW! IMPROVED STAND
(32"/37"/42")

BUILT-IN TUNER
ATSC/NTSC/QAM Clear Tuner

DYNAMIC CONTRAST RATIO
50:000:1

LG's EXCLUSIVE XD ENGINE®

REAL CINEMA™ AND CLEAR VOICE

AUTO-SENSING REMOTE JACK PACK
(RJP) COMPATIBLE
PIP/Split Screen feature with optional RJP

2 HDMI™ V1.3 INPUTS WITH HDCP

2-YEAR LIMITED WARRANTY
parts/labor

NOTE: Contact your LG Sales representative on the RJPs that are compatible with these models

www.LG solutions.com



LG
Life's Good



green LIFE'S GOOD...

WHEN IT'S GREEN.

LG is committed to improving product development, manufacturing and usage to meet the demand for environmentally friendlier products. Our LD650H televisions have technologies to reduce power consumption and in return increase **cost savings** per room. We've also placed limits in the amounts of harmful materials used in these televisions.

EcoSmart

- **Intelligent Sensor** - Continually monitors room light conditions to automatically optimize the picture quality for a more enjoyable viewing experience, which can help save energy.
- **Dynamic Power Savings** - Using built-in algorithms, TV will automatically reduce the power consumption based on incoming video, while maximizing picture performance.
- **Static Power Savings** - Picture brightness level can be set at the preferred power consumption level to reduce power and increase energy savings.
- **RoHS Compliant** - Meets directive on restriction of hazardous substances.
- **Energy Star 4.1 Qualified** - Meets current reduction requirements of energy consumption.

APPLICATION ACCESSORIES

Pro:Centric

Interactive Guestroom Experience

An industry leading Pay-Per-View (PPV) compatible television to include an embedded applications platform, LG's new LD650H series allows hoteliers to customize the in-room experience. Pro:Centric provides an easy way for the LD650H series to interface with interactive program guides, games and internet data feeds, as well as applications designed to connect guests to hotel services such as room service menus, spa services and golf course scheduling.

Electronic Program Guide

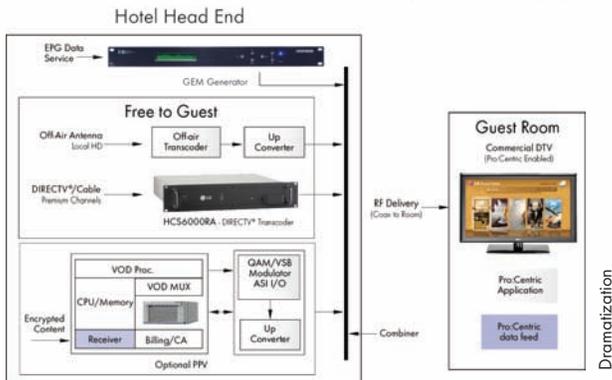


Pro:Centric PLATFORM*



*May require optional software, hardware, third party subscription service/contract, and customization at an additional cost.

Pro:Centric SYSTEM OVERVIEW (example for illustrative purpose only)



LG'S FREE-TO-GUEST COST EFFECTIVE SOLUTION

For Free-To-Guest hotel installations, when using LG televisions with b-LAN integration plus LG's Free-to-Guest Management Appliance (FMA), virtual channel mapping, cloning of commercial installer menu settings, and other adjustments can be made from the centralized head-end FMA system. This is an added value of time savings and therefore cost savings in labor charges by not having to go room to room for a change of settings.

HOTEL COSTS FOR FREE-TO-GUEST CHANNEL MANAGEMENT

| | Estimated Labor Costs | *FMA MAP price | Total | Savings over other brand |
|---|---|----------------|----------|--------------------------|
| Other brand | \$20 (est.) x 2 times per year (to update channels) x 100 rooms x 5 years | | \$20,000 | |
| LG Pro:Idiom TV with b-LAN integration plus FMA | | \$1,999 | \$1,999 | \$18,001 |

* FMA MAP price subject to change.

FREE-TO-GUEST MANAGEMENT APPLIANCE

FMA-LG101

HEAD-END SYSTEM



Manages channel line-up changes, channel label changes, designates a startup channel, cloning of commercial installer menu settings, and can set the time/date, and broadcast that information to all the terminals on a regular basis. Also, enables Pro:Idiom tuning for Pro:Idiom encrypted content.

FREE-TO-GUEST INTEGRATED b-LAN

FREE-TO-GUEST TECHNOLOGY

Allows viewing of HD secured Pro:Idiom encrypted content from Pro:Idiom licensed Cable or Satellite providers. Compatible with FMA-LG101 systems. Pay-Per-View ready.

XD ENGINE

SHARPER
BRIGHTER
CLEARER



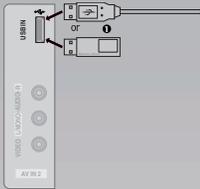
Dramatization



Dramatization

Six distinct processes contribute to picture improvement. LG's 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.

USB CLONING



Pro:Idiom®

DIGITAL RIGHTS MANAGEMENT SYSTEM

The Pro:Idiom system's high-quality security unlocks access to premium content availability to help assure rapid, broad deployment of HDTV and other high value digital content. Pro:Idiom has been designed specifically for industries that use premium HDTV content from cable, satellite or video on demand (VOD) services and as such, could result in lower costs, and reduced maintenance. This system is one of the leading DRM systems embraced by content providers for both of these key programming sources. By using this embedded approach, security is provided and helps eliminate the possibility of customers tampering with or removing needed components.

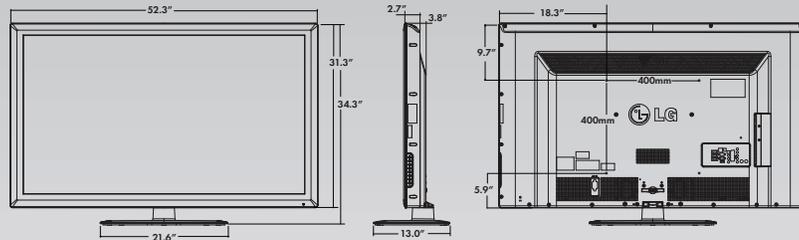
MPEG-4 TECHNOLOGY

(Moving Picture Experts Group) MPEG-4 decodes and delivers high-definition programming it receives via satellite. The advanced coding system is compatible with national and local HD channels, along with digital HD channels currently launched by DIRECTV. LG built this technology into its LD650H series TVs to deliver pure HD without the need for an external box*.

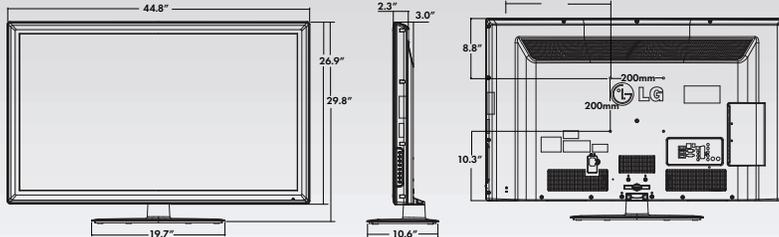
* Certain functions, such as Pay-Per-View, may require a set-top box.

DIMENSIONS

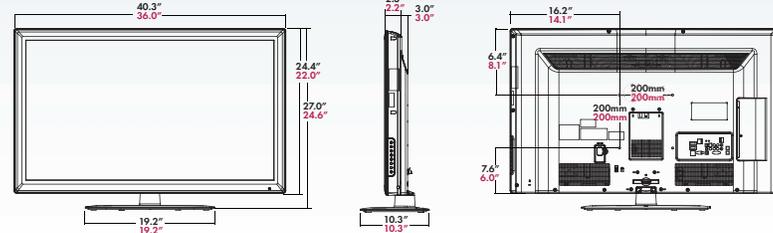
55LD650H



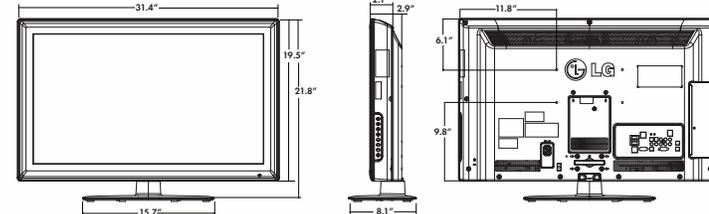
47LD650H



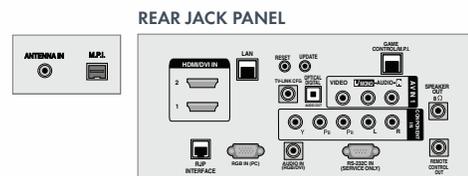
42LD650H/655H
37LD650H/655H



32LD650H/655H



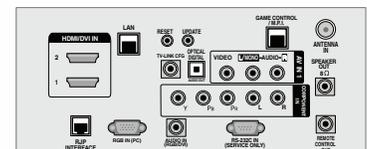
32/37/42LD650H/655H



SIDE JACK
PANEL



47/55LD650H/655H
REAR JACK PANEL



SIDE JACK
PANEL



| | | |
|----------------|-----------------|-----------------------------------|
| HI GLOSS BLACK | 55LD650H | 55" CLASS (55.0" DIAGONAL) |
| HI GLOSS BLACK | 47LD650H | 47" CLASS (47.0" DIAGONAL) |
| HI GLOSS BLACK | 42LD650H | 42" CLASS (42.0" DIAGONAL) |
| MATTE BLACK | 42LD655H | |
| HI GLOSS BLACK | 37LD650H | 37" CLASS (37.0" DIAGONAL) |
| MATTE BLACK | 37LD655H | |
| HI GLOSS BLACK | 32LD650H | 32" CLASS (31.5" DIAGONAL) |
| MATTE BLACK | 32LD655H | |

SPECIFICATIONS

PANEL

| | |
|-----------------------------------|--|
| LCD Panel Type | 55", 47", 42", 37", 32" |
| Display Area | 55.0" diagonal, 47.0" diagonal, 42.0" diagonal, 37.0" diagonal, 31.5" diagonal |
| Dynamic Contrast Ratio | 50,000:1 |
| Contrast Ratio | 1200:1 |
| Native Display Resolution | 1920 x 1080 (37"/42"/47"/55") 1366 x 768 (32") |
| Maximum Computer Resolution (RGB) | 1360 x 768 |
| Life Span | 60,000 hours (approx.) |
| Viewing Angle (HxV) | 178° x 178° |
| Response Time | 8ms (max) |

VIDEO

| | |
|------------------------------------|--|
| Built-In Tuner | ATSC/NTSC/QAM Tuner |
| Comb Filter | 3D Digital |
| Color Temperature | Cool, Normal, Warm, User |
| Aspect Ratio Adjustment | 5 Modes |
| Picture Status Mode | 7 Modes (Intelligent Sensor, Vivid, Standard, Cinema, Sports, Game, Natural) |
| EZ Picture Selection Mode | 3 Modes (Cool, Medium, Warm) |
| XD Engine | Yes |
| Black Stretcher | Yes |
| XD Color (Active Color Management) | Yes |
| All Format Converter | 1080i/720p/480p/480i~768p |
| Decoder Formats | MPEG-2/MPEG-4 H.264 (full HD real time decoding, AC-3 decoding) |
| 24p Real Cinema | Yes |
| DTV Signal Strength (digital) | Yes |
| Video Reset/Initializing | Yes |
| Just Scan 0% over scan | |
| HDMI/Component | 1080i/1080p/720p (32" 1080i only) |
| RF DTV | 720p |

AUDIO

| | |
|------------------------------------|---|
| Audio Power | 20W (10W x 2) |
| Speaker System Details | 2 Way 4 Speaker |
| SRS TruSurround XT™ | Yes |
| Clear Voice | Yes |
| Invisible Speaker System | Yes |
| Dolby Digital Decoder | Yes |
| Bass/Treble/Balance | Yes |
| EZ SoundRite (Auto Volume Limiter) | Yes |
| EZ Sound/Sound Selection Mode | 5 Modes (Standard, Music, Cinema, Sports, Game) |
| Mute | Yes |
| Mono/Stereo/Dual (MTS/SAP) | Yes |

INPUTS/OUTPUTS

| | |
|---|---|
| RF In | 1 (ATSC/NTSC) |
| HDMI V1.3 | 2 Inputs |
| RGB In (PC/DTV Input) | 1 (Rear for PC RGB) |
| Composite Video & Audio L/R In | 1 Rear/1 Side |
| Digital Audio Out (Optical) | 1 |
| PC Audio In (RGB/DVI with adaptor) | 1 |
| Component HD/DVD & Audio L/R In | 1 |
| Remote Control Out (IR) | 1 |
| RJP Interface | 1 |
| LAN (RJ-45) | 1 (service only) |
| USB 2.0 | 1 Side (Media Host, Cloning, and Service) |
| MPI Slot | 1 (32", 37", 42" only) |
| MPI™ Port (RJ12) | 1 (47", 55" only) |
| Bathroom Speaker Out (3.5mm phone jack) | 1 |
| RS-232C Input | 1 |
| IR Pass Thru | 1 |
| IR In/Out | 1 |

SPECIAL FEATURES

| | |
|---|--|
| Integrated Pro:Idiom | Yes |
| Pro:Centric Platform | Yes (supports Java/Adobe Flash applications) |
| b-Lan Embedded (Version 6.3 or up) | Yes |
| MPEG4 | Yes |
| Commercial Mode Setup Menu (Installer Menu) | Yes |

| | |
|-----------------------------------|------------------------|
| TV Link Protocol | Yes |
| USB Cloning | Yes |
| USB Media Host (JPEG & MP3) | Yes |
| Multi Remote IR Code (Bed1/2/3/4) | Yes |
| PIP with RJP | Yes |
| Channel Add/Delete | Yes |
| Favorite Channel | Yes |
| Channel Labeling | Yes |
| RJP Plug&Play Support | Yes |
| Discrete IR Codes | Yes |
| Splash Image-Logo (on startup) | Yes |
| Trilingual Menus | English/Spanish/French |
| Manual Clock | Yes |
| Sleep Timer, On/Off Timer | Yes |
| Flashback (Quick View) | Yes |
| Parental Control w/V-Chip | Yes |
| Auto Programming | Yes |
| Closed Captions | Yes |
| Anti-theft Warning Label | Yes |
| Key Lock/Child Lock | Yes |

CABINET

| | |
|-------------------------------|--|
| Dimensions with Stand (W×H×D) | 52.3" x 34.3" x 13.0" (55") 44.8" x 29.8" x 10.6" (47") 40.3" x 27.0" x 10.3" (42") 36.1" x 24.6" x 10.3" (37") 31.4" x 21.8" x 8.1" (32") |
| without Stand (W×H×D) | 52.3" x 31.3" x 3.8" (55") 44.8" x 26.9" x 3.0" (47") 40.3" x 24.4" x 3.0" (42") 36.1" x 22.0" x 3.0" (37") 31.4" x 19.5" x 2.9" (32") |

Unit Weight

| | | |
|--|----------------|----------------|
| | with Stand | without Stand |
| | 72.8 lbs (55") | 65.7 lbs (55") |
| | 44.8 lbs (47") | 40.3 lbs (47") |
| | 34.2 lbs (42") | 30.6 lbs (42") |
| | 28.2 lbs (37") | 24.7 lbs (37") |
| | 19.2 lbs (32") | 16.8 lbs (32") |

Packaging (W×H×D)

| | |
|--|--|
| | 58.9" x 34.7" x 11.3" (55") 48.4" x 32.0" x 10.0" (47") 43.6" x 30.3" x 9.0" (42") 39.2" x 26.0" x 9.0" (37") 34.6" x 23.6" x 7.5" (32") |
|--|--|

Weight with Packaging

| | |
|--|--|
| | 85.5 lbs (55") 54.0 lbs (47") 42.0 lbs (42") 35.7 lbs (37") 26.7 lbs (32") |
|--|--|

| | |
|---------------------------------------|--|
| TORX Security Screws (2 each) | Yes |
| Standard Stand Fixing Hole (360 x 90) | Yes |
| Top Side Mounting Screw | Yes |
| Table Stand Included | ±90° Swivel (32", 37", 42" - New improved stand) ±20° Swivel (47", 55") |

Power Cord Length

| | |
|-------------------|--|
| Power Cord Length | 9 ft. |
| Color | High-Gloss Black Matte Black (LD655H series only) |

VESA Standard Mount Interface

| | |
|-------------------------------|--|
| VESA Standard Mount Interface | 400mm x 400mm(55") 200mm x 200mm (37", 42", 47") 200mm x 100mm (32") |
|-------------------------------|--|

REQUIRED LISTINGS

| | |
|---------------------------|-----|
| UL, c-UL, NOM | Yes |
| ENERGY STAR 4.1 Qualified | Yes |
| RoHS Compliant | Yes |
| Lead Free | Yes |

UPC

| | |
|-----------------|-----------------------------------|
| 32LD650H/LD655H | 7 19192 90164 3 / 7 19192 90169 8 |
| 37LD650H/LD655H | 7 19192 90165 0 / 7 19192 90170 4 |
| 42LD650H/LD655H | 7 19192 90166 7 / 7 19192 90171 1 |
| 47LD650H | 7 19192 90167 4 |
| 55LD650H | 7 19192 90168 1 |

POWER

| | |
|---|------------------------------------|
| Power Source | 100~240V 50/60Hz |
| Standby | Under 1W |
| Power Consumption (typ.) with Power Saving Modes Disabled | 160W (42"), 140W (37"), 105W (32") |

EcoSmart

| | |
|-----------------------|-----|
| Intelligent Sensor | Yes |
| Dynamic Power Savings | Yes |
| Static Power Savings | Yes |

SERVICE/LIMITED WARRANTY

| | |
|--------------------------------|---------|
| Limited Warranty (Parts/Labor) | 2 Years |
|--------------------------------|---------|



All screen images are simulated. Dimensions and weights are approximate. Design, features and specifications subject to change without notice.

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www.LGolutions.com

LG Electronics U.S.A., Inc.
Business Solutions Division
2000 Millbrook Drive
Lincolnshire, IL 60069

Customer Service: 888.865.3026
www.LGolutions.com/support

Contact your LG Regional Sales Representative:

Hospitality: 800.228.1236
Vertical Markets: 800.897.8788
Channel: 800.897.8871

E-mail: info@LGolutions.com



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