

42" CLASS (42.0" DIAGONAL)

37" CLASS (37.0" DIAGONAL)

32" CLASS (31.5" DIAGONAL)

42LH250H HI GLOSS BLACK

37LH255H MATTE BLACK

37LH250H HI GLOSS BLACK

32LH255H MATTE BLACK

32LH250H HI GLOSS BLACK

LCD TV

LCD Commercial Widescreen

Integrated HDTV with HD-PPV Capability



NEW! BUILT-IN b-LAN
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-100

 EcoSmart™
Dynamic Power Savings
Static Power Savings

 RoHS COMPLIANT

HD VOD PPV ENCRYPTION
Integrated Pro:Idiom®

MPEG-2/MPEG-4 H.264 DECODING

DYNAMIC CONTRAST RATIO
20,000:1

NATIVE DISPLAY RESOLUTION
1366 x 768

BUILT-IN ATSC/NTSC/QAM CLEAR TUNER

INVISIBLE SPEAKER SYSTEM
Hidden speaker grilles

180° DETACHABLE SWIVEL STAND

LG'S EXCLUSIVE XD ENGINE®

USB 2.0 MEDIA HOST FOR PHOTOS AND MUSIC

USB CLONING

CLEAR VOICE II

REAL CINEMA™

2 HDMI™ INPUTS WITH HDCP
V.1.3 with deep color

AUTO SENSING REMOTE JACK PACK (RJP) COMPATIBLE*

2 YEAR LIMITED WARRANTY
(parts and labor)

*NOTE: Contact your LG Sales representative on the RJPs that are compatible with the LH250H/LH255H series.

www.LGcommercial.com





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 LH250H/LH255H series 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**
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.

FEATURES

LG'S FREE-TO-GUEST COST EFFECTIVE SOLUTION

For Free-To-Guest hotel installations, when using LG's LMT7Z7 Free-To-Guest built-in technology plus LG's Free-to-Guest Management Appliance (FMA), virtual channel mapping 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 (OVER 5 YEARS)

	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 (LH250H/LH255H) with LMT7Z7 technology built-in, plus FMA		\$1,999	\$1,999	\$18,001

* FMA MAP price subject to change.

FREE-TO-GUEST MANAGEMENT APPLIANCE

FMA
HEAD-END SYSTEM



Manages channel line-up changes, channel label changes, designates a startup channel, 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. Works in conjunction with installed LMT7Z7 card and sets with built-in LMT7Z7 technology.

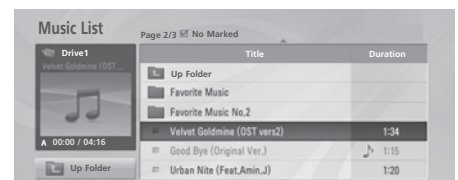
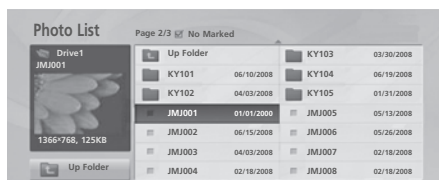
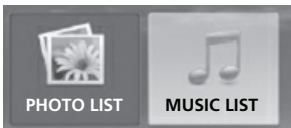
FREE-TO-GUEST LMT7Z7 TECHNOLOGY BUILT-IN

LMT7Z7
FREE-TO-GUEST TECHNOLOGY

Will allow viewing of HD secured Pro:Idiom encrypted content from Pro:Idiom licensed Cable or Satellite providers. Compatible with FMA-100 system. Pay-Per-View ready.

USB 2.0 MEDIA HOST

USB 2.0 will support JPG and MP3 files from a USB storage device.



ENERGY SAVING LEVELS

By selecting lower levels of backlight settings, a reduction in power consumption is achieved resulting in energy savings and lower costs.

TESTING CONDITION IN VIVID/STATIC MODE

Applied Model	Backlight Setting Value	Brightness/Static [cd/m ²]	Power Consumption [Watts]	Energy savings [%]
42LH250H	Level 100	300.0	170.8	0.0%
	90	259.0	157.6	7.7%
	80	228.0	141.9	16.9%
	70	208.0	130.2	23.8%
	60	188.0	119.6	30.0%
	50	158.0	108.4	36.5%
	40	122.0	95.3	44.1%
	30	97.0	81.1	52.5%
	20	68.0	69.8	59.1%
	10	43.0	55.1	67.7%
	1	23.0	45.6	73.3%
37LH255H 37LH250H	Level 100	360.0	147.6	0.0%
	90	326.0	135.0	8.5%
	80	290.0	126.0	14.6%
	70	249.0	115.2	22.0%
	60	224.0	106.2	28.0%
	50	196.0	97.2	34.1%
	40	166.0	86.4	41.5%
	30	140.0	75.6	48.8%
	20	112.0	63.6	56.9%
	10	89.0	54.0	63.4%
	1	59.0	43.8	70.3%
32LH255H 32LH250H	Level 100	314.0	111.6	0.0%
	90	283.0	102.0	8.6%
	80	248.0	93.0	16.7%
	70	222.0	86.4	22.6%
	60	198.0	79.4	28.9%
	50	176.5	72.9	34.7%
	40	149.0	66.0	40.9%
	30	116.0	58.2	47.8%
	20	81.0	51.0	54.3%
	10	58.5	42.8	61.6%
	1	30.0	37.2	66.7%

Note: Power consumption was measured with video signal - IEC62087 dynamic broadcast. Energy Saving percentages listed are based on Energy Saving percentages are based off of level 100.

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.

invisible SPEAKER

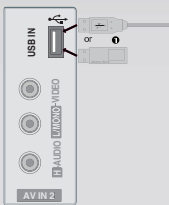
SOUND IS HEARD, NOT SEEN

Enjoy a combination of smart technology and stylish design with the invisible speaker system custom tuned by audio expert Mr. Mark Levinson. This unique system provides a clean, polished look and an enhanced auditory experience by increasing the sweet spot and providing a wider sound field.

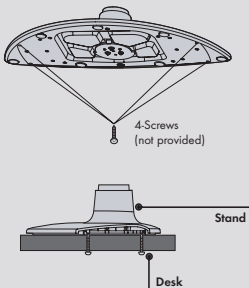


USB CLONING

USB cloning will allow for easy transfer of Public Display Settings from the "Master TV" to an unlimited number of same type televisions.

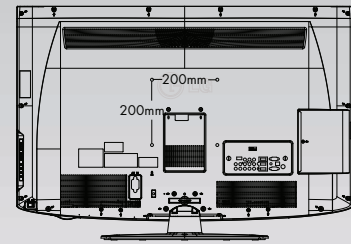
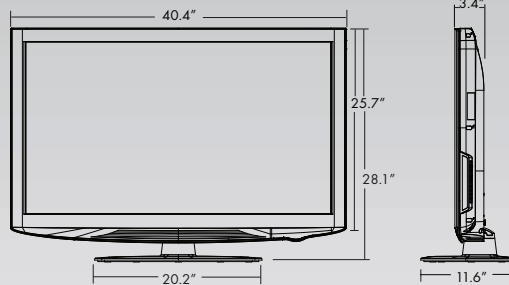


MOUNTING HOLES ON STAND ATTACHING THE TV TO A DESK

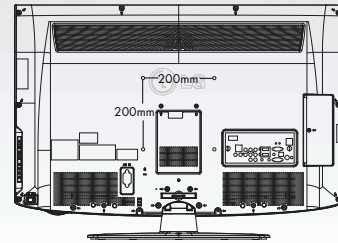
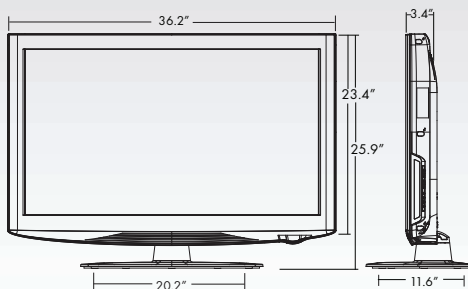


DIMENSIONS

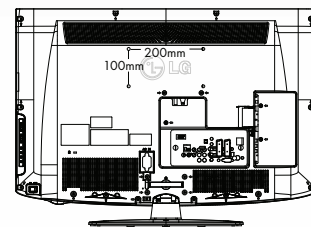
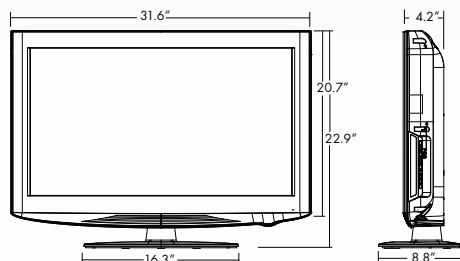
42LH255H
42LH250H



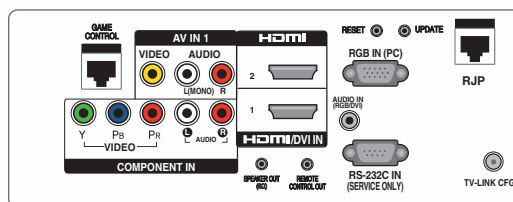
37LH255H
37LH250H



32LH255H
32LH250H



MPI SLOT REAR JACK PANEL



SIDE JACK PANEL



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42" CLASS (42.0" DIAGONAL)
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 32" CLASS (31.5" DIAGONAL)

SPECIFICATIONS

LCD SPECIFICATION

Screen Size (Class)	42" class (42.0" diagonal) 37" class (37.0" diagonal) 32" class (31.5" diagonal)
Native Display Resolution	1366 x 768
Brightness	500 cd/m ²
Dynamic Contrast Ratio	20,000:1
Viewing Angle	178°/178°
Color Reproduction	8 Bit
Response Time	5ms
Life Span (Typical)	50,000 hrs

BROADCASTING SYSTEM

Analog	Yes
ATSC/NTSC/Clear QAM	Yes
b-LAN (RF Modem)	Yes

VIDEO

XD Engine	Yes
Video Codec	MPEG-2/4
Aspect Ratio	16:9
Aspect Ratio Correction	5 Modes
Just Scan 0% over scan	
HDMI/Component:	HD/DTV
Enhanced Noise Reduction (Video Noise Filter)	Yes, 3D NR/MPEG NR
Digital Comb Filter	Yes (3D)
Color Temperature Control	3 Modes (Medium, Warm, Cool)
Black Stretcher	Yes
24p Real Cinema	Yes
Cinema 3:2/2:2 Mode	Yes
Picture Reset	Yes
EZ Picture/PSM	Yes (6 mode)
xvYCC (richer color)	Yes
DTV Signal Strength Indicator	Yes
Video Reset/Initializing	Yes

AUDIO

Mono/Stereo/Dual (MTS/SAP)	Yes
Audio Output Power	10W x 2
Invisible Speaker System Details	1 Way 2 Speaker
Dolby Digital 5.1 Decoder	Yes
Surround System Type	SRS TruSurround XT
Bass/Treble/Balance Controls	Yes
Clear Voice II	Yes
Auto Volume Leveler	Yes
EZ Sound Mode/SSM	5 Modes

SPECIAL FEATURES

Integrated Pro:Idiom	Yes
Auto-Sensing RJP compatible	Yes (with select RJP versions, non - PIP)
Backlight Control	Yes
USB Cloning	Yes
1080p Source Input	
HDMI	60f/30f/24f
Component	60f/30f/29f
Auto Screen Adjust	Yes
Fresh White	Yes
Flashback (Previous Channel)	Yes
Quick Setup Guide	Yes
Parental Control w/V-Chip	Yes
Key Lock/Child Lock	Yes
Customizable Closed Caption/Sub-title	Yes

CONVENIENCE FEATURES

Language	English/Spanish/French
Alvin UI	Yes
Commercial Function Menu	Yes
Auto Tuning/Programming	Yes
Channel Add/Delete	Yes
Channel Labeling	Yes
Favorite Channel Programming	Yes
Auto/Manual Clock	Yes
On/Off Timer	Yes
Sleep Timer	Yes
Auto Off/Auto Sleep (When no video is present)	Yes

AUDIO/VIDEO INPUTS/OUTPUTS

RF In (Antenna/Cable)	1
L/R Audio/Composite Video In	1 (rear), 1 (side)
HD Component Video In (Y, Pb, Pr) + L/R Audio	1
Speaker Out	1 (1W mono)
HDMI/HDCP Input (V1.3 with Deep Color)	2 (1 port PC mode)
RGB In (D-Sub 15pin) - PC	1 (up to WXGA)
PC Audio Input	1
RS-232c In (Service Only)	1
USB 2.0 Input	1 (Side) Media Host (jpeg, mp3), Cloning, Service

Remote Control Port out	1
RJ45 (for RJP interface, non PIP)	1
MPI Jack (RJ-12)	2 (1 rear, 1 on MPI card) for b-LAN game controller

TV-LINK CFG (b-LAN phone MPI jack)

TV-LINK CFG (b-LAN phone MPI jack)	1
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CABINET/ACCESSORIES

Cabinet Color	Glossy Black, Hi Gloss Black (LH250H), Matte Black (LH255H)
Swivel Stand (degrees)	+90°/-90°
Fire Retardant Cabinet Material	Yes
Kensington Security System Slot	Yes
Security Screws (TORX)	Yes (optional use)
VESA [®] Compliant (WxH)	200mm x 200mm, M6 screw (42", 37") 200mm x 100mm, M4 screw (32")
Remote Control	Yes
Cloning Capable	USB input, opt. LT2002, or opt. TLL-1100A

POWER

Voltage, Hz	100V - 240V, 50/60 Hz
Stand-by Mode	Less than 1W
Dynamic/Static Power Savings	Yes
Power Consumption (with Power Saving Modes disabled)	Max 200W (42"), 160W (37"), 150W (32") Typical 173W (42"), 145W (37"), 120W (32")
RoHS Compliant	Yes

DIMENSIONS & WEIGHT

TV without stand (WxHxD)	31.6" x 20.7" x 4.2" (32") 36.2" x 23.4" x 3.4" (37") 40.4" x 25.7" x 3.4" (42")
TV with stand (WxHxD)	31.6" x 22.9" x 8.8" (32") 36.2" x 25.9" x 11.6" (37") 40.4" x 28.1" x 11.6" (42")
Shipping Dimensions (WxHxD)	38.7" x 24.6" x 7.4" (32") 47.0" x 26.2" x 9.0" (37") 52.4" x 30.3" x 9.0" (42")
TV without stand weight	25.1 lbs (32") 29.1 lbs (37") 37.0 lbs (42")
TV with stand weight	27.7 lbs (32") 33.0 lbs (37") 41.0 lbs (42")
Shipping Weight	29.1 lbs (32") 40.2 lbs (37") 46.7 lbs (42")

SERVICE/LIMITED WARRANTY

SERVICE/LIMITED WARRANTY	2 Years (Parts/Labor)
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UPC CODE

42LH250H	7 19192 17618 8
37LH255H	7 19192 17617 1
37LH250H	7 19192 17614 0
32LH255H	7 19192 17616 4
32LH250H	7 19192 17615 7

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SPEC_LH250_55C_060907_PR



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