

# preliminary



## Pro:Centric Smart IPTV Ultra-Slim Edge-Lit LED TV with Integrated Pro:Idiom®

- ▶ **60LY970H**  
60" class (TBD" measured diagonally)
- ▶ **55LY970H**  
55" class (TBD" measured diagonally)
- ▶ **47LY970H**  
47" class (TBD" measured diagonally)
- ▶ **42LY970H**  
42" class (TBD" measured diagonally)



## Smart. Connected. Customizable.

One of the smartest and most flexible Hotel Television platforms in the industry.

### PREMIUM SLIM DESIGN



### SECOND SCREEN CONNECTIVITY / SHARING

The LY970H is designed for "second screen" support and options includes Wi-Di™, Wi-Fi Direct™ and Smart Mirroring technologies, which are used to pair guests' mobile devices with the TV enabling them to share and view their content on the large HD screen.

#### SMART MIRRORING/WIDI



#### REMOTE DIAGNOSIS



LG's IPTV's support enhanced diagnostics tools, enabling remote monitoring and fault analysis of the TVs and content delivery system via partner's application.

#### SMART SHARE



### SMART CUSTOMIZATION

LG Pro:Centric® Smart offers SI's the ability to customize and optimize a property's TVs with interactive IP-based applications including HTML5, Java and Flash programs. With this expansion of control comes the ability to provide premium hotel services without the need for a separate set-top box. Additionally, enhanced connectivity and second-screen sharing are available to the guests with LG Smart TV technology.

#### CUSTOMIZABLE UI



#### PRE-LOADED APPLICATIONS



#### HISTORY AUTO-DELETE



LG's commercial grade IPTV's automatically delete guests private log-on credentials from embedded applications at power-off and also provides a further level of control for SI partners applications via the HCAP middleware layer to control deletion at guest check-out time.

#### WEB BROWSER



Let your guests surf the internet just like at home with LG's optional easy-to-use 'Magic' Remote Control and embedded web-browser function.



# Pro:Idiom

## Global Leading Digital Rights Management System

Pro:Idiom unlocks access to premium content to help assure rapid and broad deployment of HDTV and other high value digital content.

Pro:Idiom has been designed specifically for users of premium HDTV content from cable, satellite, or video on demand (VOD) services, and is thus designed to lower costs and reduce maintenance needs. This leading DRM system is embraced for its security solution, which prevents illegal copying of copyrighted content.

## Reduced Total Cost of Ownership



Using LG's optional Pro:Centric server, you can remotely manage cloning and channel mapping for TVs in guest rooms without having to visit each room.



EzManager's auto configuration function makes installation quick and easy. EzManager guides the installer to set up the TV with simple steps without having to set up the menu manually, saving time and cost.

## Effectively Manage In-Room TVs



The USB Cloning feature allows you to simply copy the TV settings onto all TVs using a USB stick, a process that is fully automated to save time without having to set each TV one by one.

# FREE Interactive Electronic Program Guide Service for Pro:Centric® TVs!

## Plan Highlights

If your property has purchased or plans to purchase LG's Pro:Centric® TVs, you qualify for a free Electronic Program Guide (EPG) that allows guests to easily navigate TV channels and programs - just like they do at home.

Participating properties must purchase and install a Pro:Centric® server and supply an internet connection for daily program updates. Properties must also contract with an LG authorized partner to install and program the server to match your Free-to-Guest (FTG) channel line up.

FREE program guide service runs until Dec. 2017, replacing the current programming fee of \$1.50 per room per month.

Contact your LG sales representative or visit [LG.com/us/commercial/display-discover/epg/index.jsp](http://LG.com/us/commercial/display-discover/epg/index.jsp)



# Pro:Centric Applications Platform

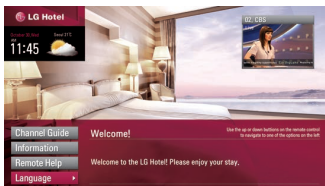
The LY970H is the latest in the line of Pro:Centric Televisions that provides a unique and dedicated hotel application platform for hosting LG's SI (System Integrator) Partners interactive applications, enabling delivery for a wide range of custom applications tailored to both hotel management and guest needs.

The LY970H extends the choice of interactive systems available to hoteliers through the introduction of HTML5 support in addition to the current Adobe Flash-Lite and Java support. The LP970H is also a full IPTV platform with built-in IP video decoding supporting both IP and RF connectivity. Leveraging the Pro:Centric IPTV platform enables SI Partners to integrate their STB (Set Top Box) client software directly into the Television, eliminating the need for the additional STB hardware and reducing associated capital and support costs.

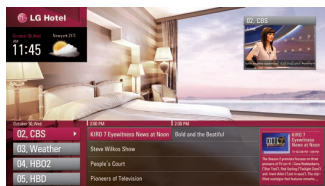
The LY970H supports embedded Wi-Fi for streaming of content to the Television or back channel communications.

The LY970H platform also includes remote diagnostic tools for partners to manage their systems and monitor the TV's on the network by the head-end or cloud based server for maintenance and admin purposes. The Wake-on-LAN features allows the TV to communicate in a background mode while the TV is powered off and without disruption to the guest, providing the ability to deliver remote software updates from the head end server.

## The LY970H Pro:Centric Applications Platform



Main Welcome Portal



Channel Guide  
Simple Channel List: Select the broadcast logo to watch your selected TV program



Remote Help  
Learn how to use the Remote controller with easily accessible menu on TV



Language  
Access the system in multiple languages for international guest service from various nations.

# Avoid Room Visits with LG's TV Remote Management Solution

When using LG televisions in Free-To-Guest hotel installations there are now two head-end device options for remote management of TV settings such as virtual channel mapping, cloning of installer menu settings, and other settings:

1. Integrated b-LAN, plus LG's Free-To-Guest Management Appliance (FMA)
2. LG's Pro:Centric server (PCS150R)

Both remote management options avoid having to visit rooms to change television settings, thereby saving labor charges to carry out this work.

## Hotel Costs For Free-To-Guest Channel Management

	Estimated Labor Costs	MSRP	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		\$2,250 (FMA)	\$2,250	\$17,750
LG Pro:Idiom TV with Pro:Centric Server		\$1,750 (PCS150R)	\$1,750	\$18,250

MSRP subject to change. Installation not included.

## Free-To-Guest Remote Management Devices

### PCS150R

HEAD-END SYSTEM



Remote management functions also supported via the Pro:Centric server. The Pro:Centric Application software can be remotely added at a later date to deliver the benefits of LG's Applications features (Weather, EPG, Billboards...)

### 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.



LIFE'S GOOD...

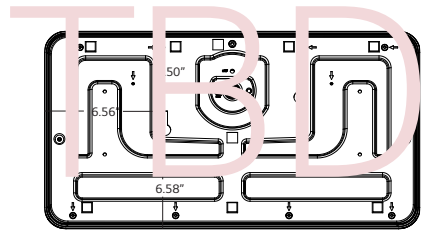
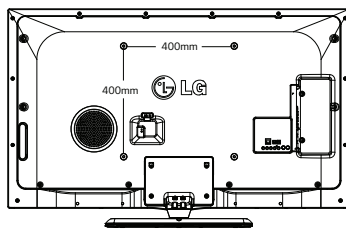
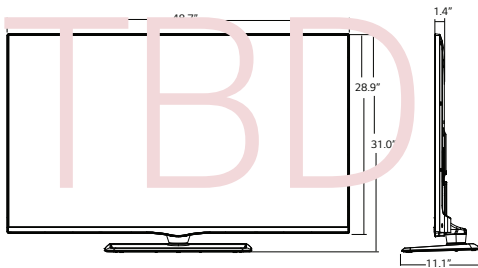
# when it's green.

LG is committed to improving product development, manufacturing and usage to meet the demand for products with environmentally friendlier features. Our televisions have technologies to reduce power consumption and in return increase cost savings per room.

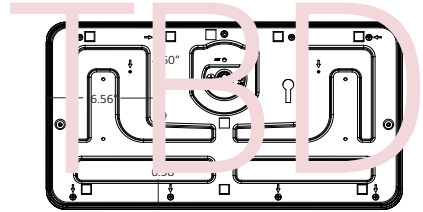
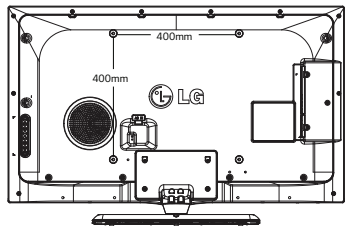
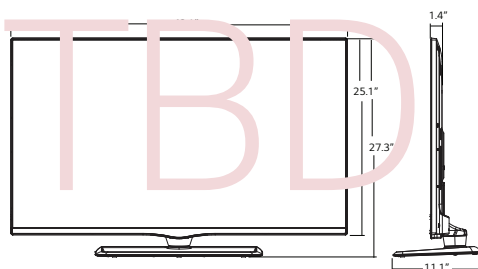
## EcoSmart

- **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.
- **CEC Compliant** - Meets the Appliance Efficiency Regulations of the California Energy Commission.
- **RoHS Compliant** - Meets directive on restriction of hazardous substances.
- **Energy Star 6.0 Qualified** - Meets current Environmental Protection Agency's television product specifications.

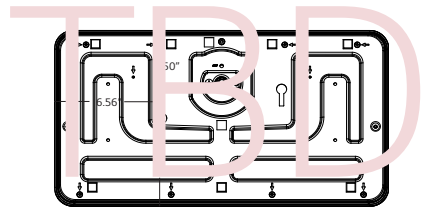
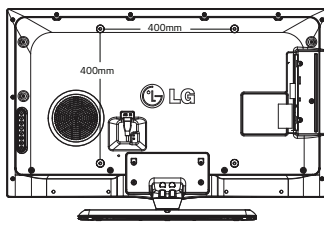
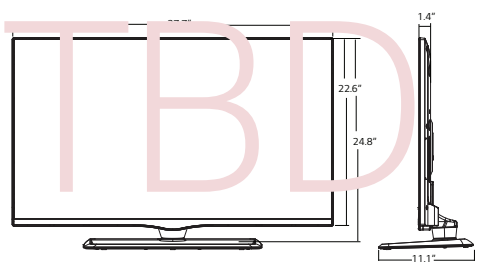
60LY970H



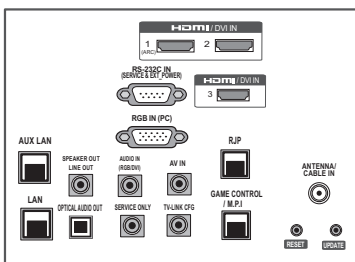
55LY970H



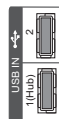
47LY970H



### REAR JACK PANEL



### SIDE JACK PANEL



The Anti-theft system provides security to prevent TVs theft. Consisting of a Kensington Lock, a Credenza and Lock Down Plate.

### Kensington Lock

• LG Hotel TVs are protected by the reliable solution the Kensington Lock.

### NEW! Reinforced Metal Stand

• Full metal reinforced stand and neck to improve sturdiness, durability and safety.

### Lock Down Plate with Credenza Hole

• Lock the TV firmly to the TV stand for added security and help deter theft. (Mounting plate, security bolts, nuts and screws are included)



# Pro:Centric Smart IPTV Ultra-Slim Edge-Lit LED TV with Integrated Pro:Idiom®

preliminary



▶ **60LY970H**

60" class (TBD" measured diagonally)

▶ **55LY970H**

55" class (TBD" measured diagonally)

▶ **47LY970H**

47" class (TBD" measured diagonally)

▶ **42LY970H**

42" class (TBD" measured diagonally)

PANEL	Model	60LY970H	55LY970H	47LY970H	42LY970H
	Panel Technology	Edge lit LED			
	Panel Size	60" Class (TBD" meas.diag)	55" Class (TBD" meas.diag)	47" Class (TBD" meas.diag)	42" Class (TBD" meas.diag)
	Native Resolution	1920 x 1080 (FHD)			
	Dynamic CR	2,000,000:1			
	Static (Panel) Contrast Ratio	1,400			
	Viewing Angle (HxV)	178°/178°			
	Response Time	8ms	TR: 8ms/TF:10ms		
	Frame Rate	120Hz			
BROADCASTING SYSTEM	Analog	Yes (NTSC)			
	Digital	Yes (ATSC / Clear QAM/USB)			
VIDEO	Triple XD Engine	Yes			
	Dynamic Color Enhancer	Yes			
	24p Real Cinema (24p 5:5/2:2 Pull down)	Yes			
	Aspect Ratio	Yes, 5 modes (16:9, Just Scan, Set By Program, 4:3, Zoom)			
AUDIO	Audio Output	12W + 12W			
	Speaker System	2.1 ch			
	Sound Mode	Yes, 6 Modes (Standard, News, Music, Cinema, Sport, Game)			
	Smart Sound Mode	Yes			
	Optical Sound Sync	Yes			
	Wireless Sound Sync	Yes			
	apt-X codec	Yes			
	Sound Expansion	Yes			
	Sound Optimizer	Yes, 3 Modes (Normal, Wall-Mount Type, Stand Type)			
	Clear Voice II	Yes			
	Subwoofer	Yes			
SPECIAL FEATURES	Pro:Centric	Yes			
	Hybrid Streaming (IP & RF)* MultiCast/HTTP Data Carousel	Yes			
	RF(1/2Tuner)	Yes (2 Tuner)			
	Pro:Centric Application	Yes (PCA 3.0)			
	HCAP (GEM/FLASH/HTML)	Yes			
	Auto Configuraiton	Yes (EzMangager)			
	Remote Diagnosis	Yes			
	Multicast/Unicast ready	Yes			
	IP Streaming	Yes (RTSP, HLS, SNMP, UDP/MultiCast, USB Port/Video Streaming support (Smartshare) (*IGMPv3 SSM Support)			
	APP (P.C Smart)	Yes (Commercial CP/Apps)			
	Web Browser	Yes			
	Remote App Compatibility	Yes			
	DLNA (Movie/Photo/Music)	Yes (Smart Share)			
	WiDi (PC to TV)	Yes			
	Miracast (Mobile to TV)	Yes (Smart Mirroring)			
	WiFi Direct	Yes			
	MHL	Yes			
	HDMI-CEC	Yes			
	HTNG-CEC	Yes			
	ProIdiom	Yes			
	SI Compatible (TVLink Protocol)	Yes (MPI protocol)			
	b-LAN	Yes			
	WiFi	Yes (Built-in type)			
	3D	Yes			
	Hotel Mode / PDM / Installer Menu	Yes			
	IR Out	Yes (MPI Jack)			
	External Speaker Out	Yes (Variable/Fixed/Line Out, 3.5mm, Stereo, Single ended Type(GNDL+R+), 1W with 8Ω)			
Multi IR Code	Yes				
RJP Interface	Yes (RJ45,HDMI)				
RJP Compatibility	Yes LG, Teledapt (RJ45, HDMI CEC), G-Link(HDMI-CEC)				
USB	Yes (USB 2.0)				
Moving Picture Playback (SD/HD/Plus HD)	Divx HD				

SPECIAL FEATURES (Cont.)	Model	60LY970H	55LY970H	47LY970H	42LY970H
Picture			JPEG		
USB Cloning			Yes		
One Channel Map / Logical Channel Map			Yes (LCM)		
Welcome Screen (Splash Image)			Yes		
Auto Off/Auto Sleep			Yes		
Video Mute			Yes		
Smart Energy Saving (Auto Power Off)			Yes		
Motion eye care (Intelligent Sensor)			Yes		
Kensington Lock			Yes (Stand)		
HDMI In			2 Side		
USB (2.0)			1 Side		
RF In			1 Rear		
AV In		1 Rear (Sharing with Component in)			
Component in (YPbPr) + Audio			1 Rear		
Digital Audio Out (Coaxial / Optical)			1 (Optical)		
HDMI/HDCP Input			1 Rear		
USB 2.0			1 Rear		
PC Audio Input		1 Rear (Sharing with Component in)			
RS-232C (D-Sub 9pin)			1 Rear (Phone Jack)		
LAN Port			2 Rear		
RJ45 (RJP interface)			1 Rear		
External Speaker Out			1 Rear (3.5mm phone jack)		
TV link Configuration (phone jack type)			1 Rear		
PTC Configuration (phone jack type)			1 Rear		
MPI Jack (RJ-12)			1 Rear		
CABINET	Bezel Width (on Bezel) (mm) (L/R/U/B)	8.8mm/8.8mm/26.5mm			
	Bezel Width (off Bezel) (mm)	1.0mm/1.0mm/24.7mm			
	With Stand	52.7" x 33.0" x 10.8"	48.5" x 30.4" x 9.7"	41.8" x 26.7" x 9.7"	37.4" x 24.1" x 8.6"
	Weight	48.1 lbs	41.7 lbs	29.1 lbs	22.7 lbs
	Without Stand	52.7" x 30.7" x 2.3"	48.5" x 28.3" x 2.2"	41.8" x 24.5" x 2.2"	37.4" x 22.0" x 2.2"
	Weight	47.0 lbs	40.8 lbs	28.2 lbs	22.0 lbs
	Carton	56.9" x 33.8" x 6.9"	51.7" x 31.0" x 6.2"	45.1" x 27.8" x 6.2"	41.7" x 26.0" x 6.0"
	Weight	60.6 lbs	54.5 lbs	38.4 lbs	28.7 lbs
	Color	Black with Hairline finish			
	VESA™ Standard Mount Interface	400mm x 400mm			
	Flame Retardant	Yes (Back Cover only)			
REQUIRED LISTINGS	Safety	cUL, UL, FCC, NOM			
	RoHS	Yes			
	Energy Star 6.0	Yes			
UPC	7 19192 91586 2	7 19192 91625 8	7 19192 91588 6	TBD	
POWER	Power Source	110 ~ 240V, 50/60Hz			
	Watts (Typical)	7W	7W	TBD	TBD
	Stand-by	0.5W ↓			
WARRANTY	2-Year Limited Warranty (Parts/Labor)				

REMOTE JACK PANEL COMPATIBILITY (RJP)

COMPATIBLE INTERACTIVE SYSTEMS (SEPARATE SETTOP BOX MAY BE REQUIRED)

LED FULL HD 1080P Pro:Centric

2.1 Speaker System

USB Cloning, b-LAN, USB 2.0, Welcome Screen, IR OUT, TV Link, Hotel Mode, Hybrid Streaming, Pro:Idiom



The estimated annual energy cost determined in accordance with 16 CFR Part 305.5 for model 60LY970H, 55LY970H, 47LY970H are \$15, \$13 and \$11.  
\*Your energy cost depends on your utility rates and use. The estimated cost is based on 11 cents per kWh and 5 hours of use per day. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).  
†FTC Television labeling rule (18 CFR Part 305, as added by 76 Fed. Reg. 1038 [Jan 6, 2011]).



LG Electronics U.S.A., Inc.  
1E B2B Division  
2000 Millbrook Drive  
Lincolnshire, IL 60069  
Customer Service: 888.865.3026  
[www.LGSolutions.com/support](http://www.LGSolutions.com/support)  
Contact your LG Regional Sales Representative:  
Channel: 800.897.8871  
Hospitality: 800.228.1236  
E-mail: [info@LGSolutions.com](mailto:info@LGSolutions.com)  
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Printed in the USA. August 2014  
LED TV is LCD TV with LED backlighting