



HEALTHCARE

# Hospital Grade LED Edge-lit HDTV

Pro:Centric™ Single Tuner™ HDTV with HD-PPV Capability

▶ **42LQ640H**

42" class (42.0" measured diagonally)



## Safe and Convenient for All Users

HOSPITAL SAFETY STANDARD COMPLIANT



UL listed Mark

CONVENIENT FOR PATIENTS AND HOSPITAL STAFF



Nurse Call System



Pillow Speaker

EASY MANAGEMENT



Pro:Centric® V



Quick Set-up Wizard



Self Diagnosis (USB)

## Specifications

Designed Specifically for the Healthcare Industry

UL Hospital Grade Listed

New! Hospital Grade LED Edge-lit HDTV

Improved Dynamic Contrast Ratio (1,000,000:1)

Now Including 3 HDMI Inputs with HDCP

Native Display Resolution 1920 x 1080 (Full HD 1080p)

Energy Star® 6.0 Qualified

RoHS Compliant

California Energy Commission (CEC) Compliant

Built-In Pillow Speaker Port

Built-In MPI Port

TV Speaker Disable

Expanded Pillow Speaker Compatibility  
Supports multiple codes (Zenith, Philips, RCA)

Express Script

Easy to Use, 8 Step Installer Menu Setup Wizard

LG'S Exclusive Pro:Centric Applications Platform

Supports Java™ and Adobe® Flash® Application (Pro:Centric Single Tuner)

NEW! Remote Management of Television  
Settings Using Pro:Centric SERVER (PCS150R)

Dynamic/Static Power Savings

Restriction of Hazardous Substances

HD VOD PPV Decryption and Interactive System Capability

Integrated Pro:Idiom®

MPEG-2 / MPEG-4 H.264 Decoding

Splash Image/Logo (On Startup)

Customized Welcome Screen

USB Cloning

On-site 2 Year Limited Warranty (parts and labor)

# 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 patient 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 Patient 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.

## Pro:Centric Applications Platform

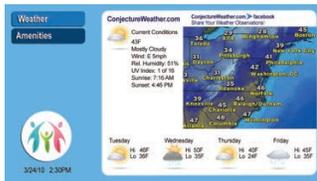
### Interactive Patient Room Experience

An industry leading Pay-Per-View (PPV) compatible television that also supports the Pro:Centric platform, LG's new 42LQ640H allows healthcare facilities to customize the patient room experience. Pro:Centric provides an easy way for the 42LQ640H to interface with interactive program guides, games and internet data feeds, as well as applications designed to connect patients to services such as dietary menus and patient room information.



\* May require additional software and hardware to support third party partner interactive systems or LG's own Free-To-Guest Pro:Centric Application.

### The 42LQ640H Pro:Centric Applications Platform



\* May require additional software and hardware to support third party partner interactive systems or LG's own Free-To-Guest Pro:Centric Application.



## LG's Free-To-Guest Cost Effective Solution

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

1. 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.

### Free-To-Guest Remote Management Devices

PCS150R  
HEAD-END SYSTEM

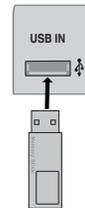


Remote management functions also supported via the Pro:Centric server. The Pro:Centric Application software can be remotely added at a later date to deliver the benefits of LG's Applications features (Weather, EPG, Billboards...)

## Cloning Option

The 42LQ640H Healthcare TV has a convenient time and expense saver feature. A select number of Commercial menu items are cloning capable. This allows the cloning of a master TV to an infinite number of the same model target TVs. This can be easily accomplished by using a standard USB memory device. This time saving technique will allow the installers to program the preferred commercial settings from a master TV to all the required target televisions in a hospital facility in a matter of just a few minutes per TV.

### Clone using a USB Memory Device

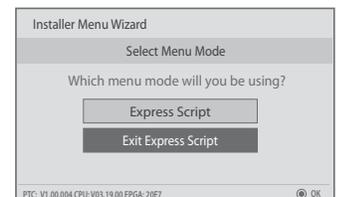


The Installer sets up a master TV with the preferred menu settings. A USB memory device is plugged into the master TV. Menu items are selected to "Learn From TV" and stored on the USB memory device. The USB stick is then plugged into a target TV. Menu items are selected to "Teach To TV". The USB device is then unplugged and is ready to engage with the next target TV.

## Express Script

### Express Script Installer Menu Wizard

The Express Script Installer Menu Wizard enables users to customize essential items for viewing the TV the first time it is turned on. This 8 step process is a convenient and easy way to provide the preferred settings recommended by the facility. The Express Script Installer Menu Wizard can also be activated from the commercial installer menu.





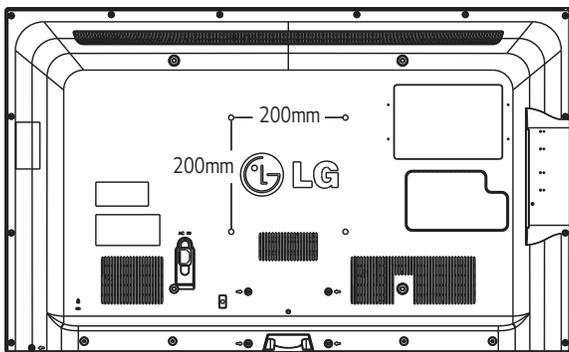
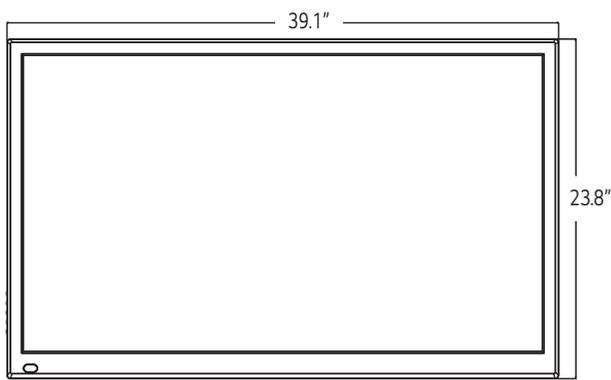
green LIFE'S GOOD...

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.

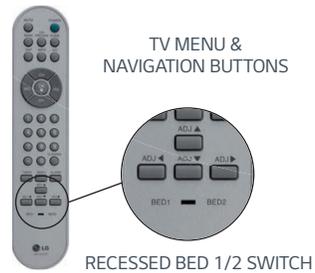
EcoSmart

- **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 reduction requirements of energy consumption.



OPTIONAL ACCESSORY REMOTES

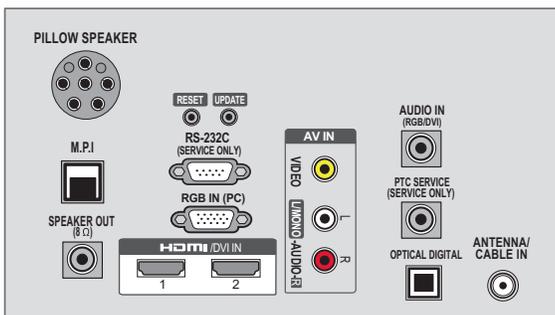
INSTALLER REMOTE  
124-213-07



PATIENT BED 1/2 REMOTE  
124-213-08



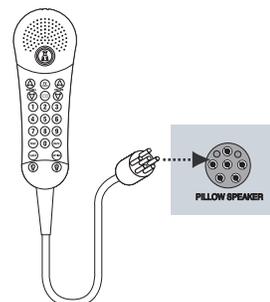
REAR JACK PANEL



SIDE JACK PANEL



PILLOW SPEAKER ACCESS



# Hospital Grade LED Edge-lit HDTV

▶ 42LQ640H

42" class (42.0" measured diagonally)



Pro:Centric™ Single Tuner™  
HDTV with HD-PPV Capability

PANEL	Model	42LQ640H	
	Panel Size	42.0" (42.0" measured diagonally)	
	Panel Technology	Edge LED	
	Native Resolution	1920 x 1080 (FHD)	
	Brightness (Typ)	290 cd/m <sup>2</sup>	
	Dynamic CR	1,000,000	
	Viewing Angle (HxV)	178° / 178°	
	Response Time (G to G)	42ms : 8ms	
	Frame Rate	60Hz	
	BROADCASTING SYSTEM	Analog	Yes (NTSC)
		Digital	Yes (ATSC / Clear QAM/VSB)
VIDEO	XD Engine	Yes	
	24p Real Cinema (24p.5.5/2.2 Pull down)	Yes	
	Eye Care (Anti Dazzling)	Yes	
AUDIO	Audio Output	10W + 10W	
	Speaker System	1 Way 2 Speakers	
	Infinite Sound	Yes	
	Invisible Speaker	Yes	
SPECIAL FEATURES	Clear Voice II	Yes	
	Pro:Centric	Yes	
	RF (1/2 Tuner)	Yes (1 Tuner)	
	HCAP (GEM/Flash/HTML)	Yes (GEM/Flash)	
	EzManager (Simplicity)	Yes (Intuitive Menu)	
	Simplink (HDMI-CEC)	Yes (1.3)* for HTNG	
	HTNG	Yes	
	Pro:Idiom	Yes	
	SI Compatible (TVLink Protocol)	Yes (MPI protocol)	
	PDM / Installer Menu	Yes	
	IR Out (TV Link Tuner)	Yes (MPI Jack)	
	External Speaker Out	Yes (Variable/Fixed/Line Out, 3.5mm, Stereo, Single ended Type (GRD,L+,R+), 1W with 8Ω)	
	USB	USB2.0	
	Moving Picture Playback (SD/HD/PlusHD)	Divx HD	
	Picture	JPEG	
	Audio Codec	AC3(Dolby Digital), EAC3, AAC, Mpeg, MP3, PCM	
	USB Cloning	Yes	
One Channel Map/ Logical Channel Map	Yes (LCM)		
Multi IR Code	Yes		
Welcome Screen (Splash Image)	Yes		
Auto Off / Auto Sleep	Yes		
Video Mute	Yes		
Smart Energy Saving	Yes		

SPECIAL FEATURES (Cont.)	Model	42LQ640H	
	Kensington Lock	Yes	
	Pillow Speaker	Yes	
	INTERFACE (Side/Rear)	HDMI In	3 (2 Rear, 1 Side)
		USB (2.0)	1 Side (MP3/JPEG/HD Divx)
		RF In	1 Rear
		AV In	1 Rear
		Digital Audio Out (Coaxial / Optical)	1 (Optical)
		RGB In (D-sub 15pin) - PC	1 Rear
		PC Audio Input	1 Rear
		RS-232C	1 Rear (Service Only)
External Speaker Out		1 Rear (3.5mm phone jack)	
Pillow Speaker Jack		1 (6 pin)	
MPI Jack	1 Rear		
CABINET	Without Stand	39.1" x 23.8" x 2.2" (WxDxH)	
	Weight	29.8 lbs	
	Carton	46.5" x 29.3" x 5.4" (WxDxH)	
	Weight	37.3 lbs	
	Color	Black with Hairline finish	
	VESA™ Standard Mount Interface	200mm x 200mm	
REQUIRED LISTINGS	Flame Retardant	Yes (Back Cover only)	
	Safety	cUL, UL, FCC, NOM	
	RoHS	Yes	
	Energy Star 6.0	Yes	
UPC	7 19192 90426 2		
POWER	Power Source	120V, 60Hz	
	Watts (Typical)	66W	
	Stand-by	0.5W ↓	
WARRANTY	On-site 2 Year Limited Warranty (parts and labor)		
INCLUDED ACCESSORY	Power cable (1.8M, Wall angle, Inlet straight)		
OPTIONAL ACCESSORIES	Installer Remote	124-213-07 (Bed 1/Bed 2, TV menu & navigation buttons)	
	Patient Remote	124-213-08 (Bed 1/Bed 2)	

The estimated annual energy cost determined in accordance with 16 CFR Part 305.5 for model 42LQ640H is \$13.

\*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).

<sup>1</sup>FTC Television labeling rule (18 CFR Part 305, as added by 76 Fed. Reg. 1038 (Jan 6, 2011)).



LG Electronics USA, Inc.  
HE 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:  
Healthcare/Long-Term Care: 877.793.6484  
E-mail: [info@LGSolutions.com](mailto:info@LGSolutions.com)

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