# 4K UHD Hospital Grade Pro:Centric SMART
## with Integrated Pro:Idiom and *b*-LAN™ - UV770M

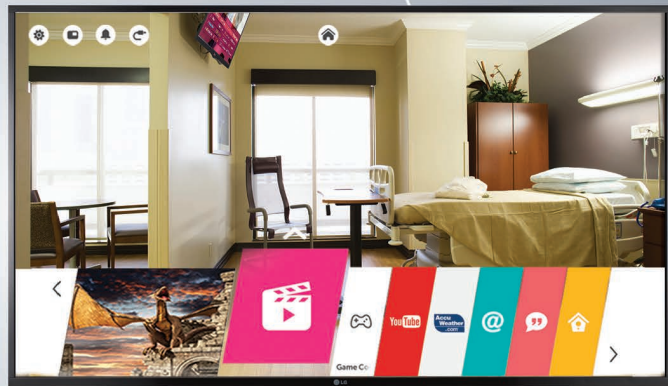**HEALTHCARE**

▶ **55UV770M**
55" class (54.8" diag)

▶ **49UV770M**
49" class (48.5" diag)

▶ **43UV770M**
43" class (42.5" diag)

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## SAFE AND CONVENIENT FOR ALL USERS

### HOSPITAL SAFETY STANDARD COMPLIANT

UL listed Mark

**SAFETY**

### CONVENIENT FOR PATIENTS AND HOSPITAL STAFF

Nurse Call System          Pillow Speaker

**smart Share™**

Easily share and enjoy content from your laptop, smartphones, digital cameras and other compatible devices seamlessly to the TV*.

*Video playback only - content on phones can play on the TV through the Smart Share app on compatible LG smartphones.

**Wi-Fi DIRECT**
Wi-Fi

**WiDi**

**Miracast™**
Miracast

**Wi-Fi BUILT-IN**

Similar to a smartphone, LG's Pro:Centric Smart TVs have Wi-Fi built-in, allowing easy connectivity and access to and from the TV.

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## PRODUCT HIGHLIGHTS

**4K ULTRA HD Resolution**

**Designed Specifically for the Healthcare Industry**

**UL Hospital Grade Listed**

**RoHS Compliant**

**California Energy Commission (CEC) Compliant**

**Built-in Pillow Speaker Port**

**Built-in MPI Port**

**TV Speaker Disable**

**Built-in Pillow Speaker Compatibility**
Supports multiple codes (Zenith, Philips, RCA)

**First Use Wizard**

**LG's Exclusive Pro:Centric Application Platform**

**Supports Java™ and Adobe® Flash® Applications**
(Pro:Centric Dual Tuner)

**Remote Management of Television**
Using Pro:Centric server

**Dynamic/Static Power Savings**

**Multi IR Code Support**

**Integrated Pro:Idiom® Digital Rights Management Technology**

**Splash Screen Image/Logo** (On Startup)

**Customized Welcome Screen**
(Pro:Centric application feature)

**MPEG-2 / MPEG-4 H.264 Decoding**

**USB Cloning**

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

**TV Stand: Not Included**

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**LG**

# 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 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

**EZ MANAGER** — The EZ-Manager's auto configuration function makes installation quick and easy. The EZ-Manager guides the installer to set up the TV with simple steps, helping to save time.

**EXPRESS SCRIPT** — The Express Script provides streamlined configuration of the TV for Free-To-Guest (FTG) Mode via CPU operation (including pillow speaker setup) and also provides the option to configure the TV for Pro:Centric operation.

**Remote Manager** — Using LG's optional Pro:Centric server, you can remotely manage configuration and channel mapping for TVs in patient rooms without having to visit each room.
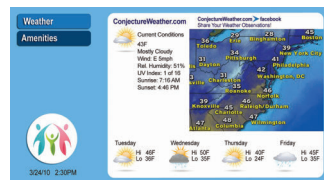
# Pro:Centric®

## PRO:CENTRIC APPLICATION PLATFORM

**Interactive Patient Room Experience**
An industry leading television that supports the Pro:Centric platform, LG's new UV770M allows healthcare facilities to customize the patient room experience. The Pro:Centric application allows you to create your own content and manage multiple channels, which can be specialized for your hospital. Pro:Centric also provides an easy way for the UV770M 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 Free-To-Guest Mode/Pro:Centric application.*

## THE UV770M PRO:CENTRIC APPLICATION PLATFORM

## LG'S FREE-TO-GUEST SOLUTION

When these TVs are configured for LG's Free-To-Guest Mode of operation (either via CPU or EBL), remote management options are available, as described below. With remote management, individual room visits are no longer required for TV configuration updates, including FTG Channel Map and FTG Installer Menu settings updates.

## FREE-TO-GUEST REMOTE MANAGEMENT HEAD END DEVICES

### PRO:CENTRIC SERVER

Remote management of the FTG Channel Map and FTG Installer Menu settings may be provided by a Pro:Centric server. The Pro:Centric server Admin Client web editor/content wizard also enables users to remotely update the Pro:Centric application features.

### FREE-TO-GUEST MANAGEMENT APPLIANCE

LG's Free-To-Guest Management Appliance (FMA) delivers the FTG Channel Map to the patient rooms, via the hospital's RF distribution.

## CLONING USING A USB MEMORY DEVICE

**USB CLONING** — The UV770M Healthcare TV has a convenient time and expense saver feature. Installer Menu settings, along with a select number of setup menu features are cloning capable, and an FTG Channel Map may also be cloned.

Cloning typically refers to the process of using a Master TV Setup to configure a Target TV. The installer sets up the Master TV with preferred menu settings, and then saves (exports) the settings to a file on the USB memory device. This file may then be transferred (imported) to the Target TV(s) via the same USB device.

This time saving technique will allow the installers to configure each UV770M TV in the hospital facility in a matter of just a few minutes per TV.

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

## SMART TECHNOLOGY

**Dynamic Power Savings** - Using built-in algorithms, TV will automatically reduce the power consumption based on incoming video, while maximizing picture performance.
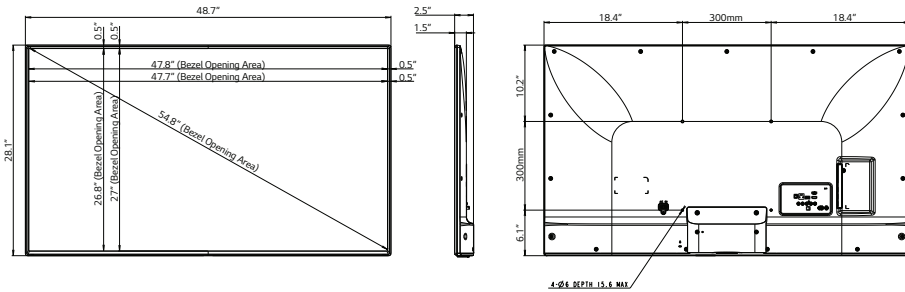
**Static Power Savings** - Picture brightness level can be set at the preferred power consumption level to reduce power and help increase energy savings.
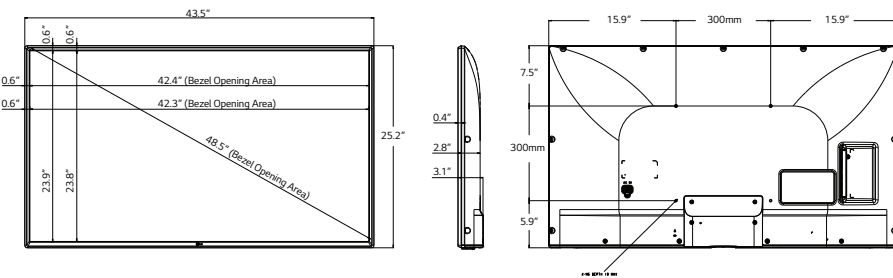
## COMPLIANCE

**CEC Compliant** - Meets the Appliance Efficiency Regulations of the California Energy Commission.

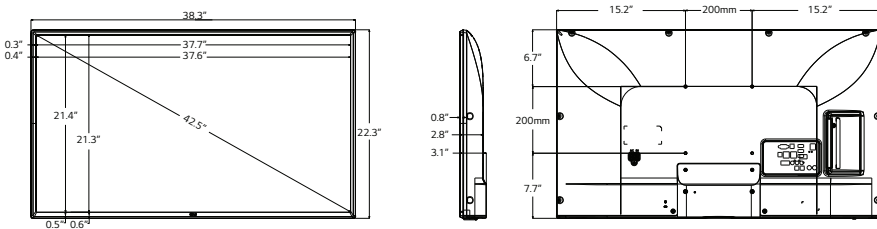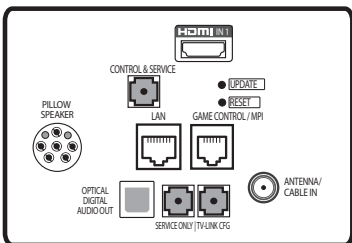**RoHS Compliant** - Meets directive on restriction of hazardous substances.
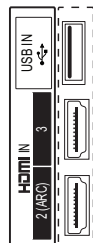
### 55UV770M



### 49UV770M



### 43UV770M



### Rear Jack Panel



### Side Jack Panel



## OPTIONAL ACCESSORY REMOTES

### INSTALLER REMOTE
INSTALLERRC



### PATIENT MULTI-BED REMOTE
PATIENTRC



### PRO:CENTRIC PILLOW SPEAKER

# 4K UHD Hospital Grade Pro:Centric SMART
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HEALTHCARE

| PANEL. | MODEL | 55UV770M | 49UV770M | 43UV770M |
|---|---|---|---|---|
| | Backlight Type | | Edge | |
| | Resolution | | 3840 X 2160 (4K UHD) | |
| | Static (Panel) Contrast Ratio | | 1200:1 | |
| | Viewing Angle Degree | | 178x178 | |
| | Response Time (G to G) | | 8ms | |
| | Frame Rate | | T120 | |
| **BROADCASTING SYSTEM** | Analog | | Yes (NTSC) | |
| | Digital | | Yes (ATSC) | |
| | Terrestrial | | VSB | |
| | Cable | | Clear QAM/VSB | |
| **VIDEO** | XD Engine | | Yes | |
| | Real Cinema 24p (3:3 pull down) | | Yes | |
| | Picture Mode | | Yes 9 modes (Vivid, Standard, APS(Eco), Cinema, Sports, Game, HDR Effect, Expert(Bright Room), Expert (Dark Room)) | |
| | Aspect Ratio | | Yes 6 modes (16:9, Original, 4:3, Vertical Zoom, All-Direction Zoom, Just Scan) | |
| | HDR 10 | | Yes | |
| **AUDIO** | Audio Output | | 10W+10W | |
| | Speaker System | | 2.0ch | |
| | Sound Mode | | Yes 6 modes (Standard, Cinema, Clear Voice III, Sports, Music, Game) | |
| | Optical Sound Sync | | Yes | |
| | Wireless Sound Sync | | Yes | |
| | Clear Voice | | Yes | |
| **HOSPITALITY SOLUTION** | Pro:Centric Smart | | Yes | |
| | Data Streaming (IP & RF) | | Yes | |
| | RF (1/2Tuner) | | Yes (2 Tuner) | |
| | HCAP (GEM/FLASH/HTML) | | GEM / Flash / HTML5 | |
| | IP Return path | | Yes | |
| | Multicast/Unicast ready | | Yes | |
| | webRTC | | Yes | |
| | Pro:Centric Direct | | Yes | |
| | Pro:Centric Application | | Yes (PCA3.7.5) | |
| | PCS400R | | Yes | |
| | PCS200S | | Yes | |
| | Pro:Idiom Software | | Yes | |
| **SMART FEATURE** | webOS version | | webOS 3.5 | |
| | Commercial Smart Home | | Yes | |
| | Web Browser | | Yes | |
| | Pre-loaded App | | Yes | |
| | SDP Server compatibility | | Yes | |
| | Magic Remote Compatibility | | Yes (Optional) | |
| | Soft AP | | Yes | |
| | WiFi (bandwidth) | | Yes (802.11a/b/g/n/ac) | |
| | Screen Share (Miracast, WiDi) | | Yes | |
| | Smart Share | | Yes | |
| | DIAL | | Yes | |
| | Bluetooth Sound Sync | | Yes | |
| | LG Sound Sync/bluetooth | | Yes | |
| **FUNCTION** | EZ-Manager | | Yes | |
| | USB Cloning | | Yes | |
| | Wake on RF | | Yes | |
| | WOL | | Yes | |
| | SNMP | | Yes | |
| | Diagnostics | | Yes (Remote Diagnosis) | |
| | SI Compatible (TVLink Interactive) | | Yes (MPI protocol) | |
| | HTNG-CEC | | Yes | |
| | HDMI-CEC | | Yes | |
| | IR Out | | Yes (MPI Jack/HDMI) | |
| | Multi IR Code | | Yes | |
| | Installer Menu | | Yes | |
| | Welcome Screen (Splash Image) | | Yes | |
| | Insert Image (No signal) | | Yes (webOS Default) | |
| | Logical Channel Map | | Yes | |
| | External Speaker Out | | Yes (Variable/Fixed/Line Out, 3.5mm, Stereo, Single ended Type(GND,L+,R+), 1W with 8Ω) | |

| FUNCTION | MODEL | 55UV770M | 49UV770M | 43UV770M |
|---|---|---|---|---|
| | Instant On | | Yes | |
| | RJP Interface | | Yes (HDMI) | |
| | RJP Compatibility | | Yes - Teleadapt/Guestlink (HDMI CEC) | |
| | Moving Picture Playback (SD/HD/Plus HD) | | .asf, .wmv, .avi, .mp4, .m4v, .mov, .3gp, .3g2, .mkv, .mpg, .mpeg, .dat, etc. | |
| | Picture | | jpeg, jpg, jpe, BMP, PNG | |
| | Audio Codec | | .mp3, .wav, .OGG, .WMA, .flac | |
| | Auto Off / Sleep Timer | | Yes/Yes | |
| | Smart Energy Saving | | Yes | |
| | Motion Eye Care | | Yes | |
| | *b*-LAN embedded | | Yes | |
| | Pillow Speaker | | Yes | |
| **SIDE** | HDMI In | | 2 (2.0) | |
| | USB | | 1 (2.0) | |
| **REAR** | RF In | | 1 (*b*-LAN) | |
| | Digital Audio Out | | 1 (Optical) | |
| | HDMI/HDCP Input | | 1 (2.0) | |
| | RS-232C (D-Sub 9pin) | | 1 (TV link MNT, Phone jack type) | |
| | RJ45 | | 1 (Ethernet/SVC/RJP Interface) | |
| | TV link Configuration (Phone jack type) | | 1 (*b*_LAN Service) | |
| | MPI Port (RJ12 jack) | | 1 | |
| | Debug (Phone Jack Type) | | 1 (CPU/PTC Debug) | |
| | Pillow Speaker interface (6pin) | | 1 | |
| **DESIGN** | Front Color | | Shine Titan | |
| | VESA Compatible | 300mm x 300mm | | 200mm x 200mm |
| **CABINET** | Weight (Packing) | 35.3 lbs | 24.9 lbs | 20.3 lbs |
| | WxHxD (w/o stand) | 48.7" x 28.3" x 1.6" (SPK 2.5") | 43.6" x 25.4" x 2.8" (SPK 3.1") | 38.3" x 22.5" x 2.8" (SPK 3.1") |
| | WxHxD (Packing) | 53.5"x3.3"x6.0" | 47.0"x30.3"x6.2" | 41.7"x26.0"x6.0" |
| | Bezel Width (Left/Right, Upper, Bottom) : on bezel (mm) | 8.8/8.8/13.8 | 10/10/15.2 | |
| | Bezel Width (Left/Right, Upper, Bottom) : Off bezel (mm) | 6.8/6.8/11.3 | 8.5/8.5/13.7 | |
| **POWER** | Voltage, Hz | | 120V, 50/60Hz | |
| | Typical (Watts) Based on Energy Star Qualified | 60.3 | 57.6 | 49.7 |
| | Stand-by | | < 0.5W | |
| **CERTIFICATION** | Safety | | UL | |
| | EMC | | FCC | |
| | ETC. | | RoHS, UL, NOM, Energy Star 7.0 | |
| **ACCESSORIES** | Anti-theft Dongle Cover | | Yes | |
| | Power Cable | | Yes (5.9ft, Angle Type) | |
| | Manual / ESG | | Yes (Simple Manual) | |
| **OTHER** | UPC | 7 19192 91999 0 | 7 19192 91998 3 | 7 19192 91995 2 |
| | Warranty | | 2-Year Limited Warranty Parts/Labor | |

**TECHNOLOGY PARTNERS**

**SOME INTERACTIVE SYSTEMS MAY REQUIRE AN EXTERNAL DEVICE**

SONIFI health · ACESO · TVR COMMUNICATIONS · INDEPENDA · journey
getwell network · infovalue IPTV EXPERTS · CREST HEALTHCARE SUPPLY · CURBELL MEDICAL · HealthSuite
TELEHEALTH SERVICES · Anacom MedTek™ · oneview

LED · Pro:Centric SMART · Pro:Idiom · Welcome Screen · LOCK MODE
External Speaker Out · TV MULTI R · HDMI · USB 2.0 · USB CLONING

http://www.lg.com/us/business/commercial-display
http://www.twitter.com/LGCommDisplays
http://www.facebook.com/LGcommercialdisplays
http://www.linkedin.com/company/lg-commercial-displays-usa
http://www.youtube.com/lgcommercialdisplayusa

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

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