

42" CLASS (41.5" DIAGONAL)

42PG60C

PLASMA TV

## Plasma Widescreen Commercial HDTV with HD-PPV Capability



NEW! 4 POWER SAVING LEVELS

NEW! FRAMELESS "SINGLE LAYER"  
TECHNOLOGY DESIGN

MPEG-2/MPEG-4 H.264 DECODING

HD VOD PPV ENCRYPTION  
integrated Pro:Idiom®

IMPROVED! LIFE SPAN (APPROXIMATE)  
100,000 hours (typical) to half brightness

NEW! INVISIBLE SPEAKER SYSTEM  
no visible speaker grilles

BUILT-IN TUNER  
ATSC/NTSC/Clear QAM

NATIVE DISPLAY RESOLUTION  
1024 x 768

IMPROVED! DYNAMIC CONTRAST RATIO  
30,000:1

HIGH BRIGHTNESS  
1500 cd/m<sup>2</sup>

IMPROVED! LG'S EXCLUSIVE DUAL XD ENGINE®

2 HDMI™ INPUTS WITH HDCP

MP™ SLOT

AUTO-SENSING REMOTE JACK PACK (RJP) COMPATIBLE

NEW! CUSTOMIZABLE CLOSED CAPTIONS

HIGH GLOSS BLACK CABINET

2 YEAR LIMITED WARRANTY  
(parts/labor)

[www.LGcommercial.com](http://www.LGcommercial.com)



# DUAL X<sup>D</sup> ENGINE

Combines two of LG's exclusive XD Engines to help maximize picture quality for any kind of video content. By combining XD Engine processors, panel performance is optimized providing higher-quality, more realistic images.

**INTELLIGENT CONTRAST** IMPROVES LOW RESOLUTION LEVELS, BLACK AND WHITE SATURATION AND COLOR COMPENSATION RELATED TO DYNAMIC CONTRAST USING A HISTOGRAM DEVELOPED FOR LOW PEAK LEVELS.

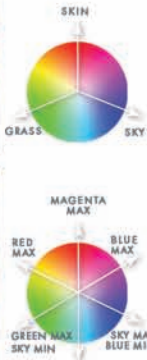


Dramatization

**FRESH COLOR** SKIN, GRASS AND SKY COLORS ARE OPTIMIZED TO THE NEAREST TRUE COLOR.

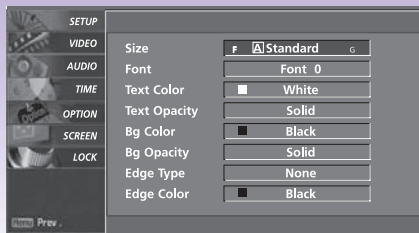


Dramatization



# FEATURES OPTIONS

## CUSTOMIZABLE CLOSED CAPTIONS



## CLOSED CAPTION MENU OPTIONS

- Size: Set the word size.
- Font: Select a typeface for the text.
- Text Color: Choose a color for the text.
- Text Opacity: Specify the opacity for the text color.
- Bg (Background) Color: Select a background color.
- Bg (Background) Opacity: Select the opacity for the background color.
- Edge Type: Select an edge type.
- Edge Color: Select a color for the edges.

## 4 POWER SAVING LEVELS

By selecting 1 of 4 levels of brightness, a reduction in power consumption is achieved resulting in energy savings and lower costs.

42PG60C in Vivid Mode

	BRIGHTNESS (cd / m <sup>2</sup> )	POWER* CONSUMPTION (Watts)
Level 0	230	270W
Level 1	97% of Level 0	95% of Level 0
Level 2	79% of Level 0	82% of Level 0
Level 3	66% of Level 0	73% of Level 0
Level 4	52% of Level 0	63% of Level 0

\*Power consumption was measured using IEC62087 dynamic broadcast - content video signal.  
Note: This model has a ± 5% deviation from unit to unit.

## FREE-TO-GUEST CARD



**HCS1410**  
FREE-TO-GUEST CARD

The optional HCS1410 card can be inserted into the MPI slot on the back of the PG60 series. It is to be used for properties without a Pay-Per-View system that still want to receive Pro:Idiom locked free-to-guest high-definition channels.

## CLONING PROGRAMMER REMOTE



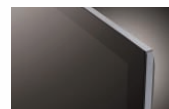
**LT2002**  
QUICKSET II "CLONE"

The optional LT2002 allows for custom setup and programming information to be quickly copied from a "master" LG or Zenith brand LCD, Plasma, or CRT TV (with the MPI input) into an unlimited number of identical models. This saves the installers hours of time duplicating the hotel TV settings, such as minimum volume, maximum volume, start up channel, channel mapping, etc.



## TAKE IT TO THE EDGE "SINGLE LAYER" FRAMELESS TECHNOLOGY

TAKE IT TO THE EDGE achieves uniquely frameless TV by using a "Single Layer" technology of a seamless sheet of glass, eliminating the traditional frames of a display screen. It harmonizes with a trend-setting decor, giving a 'seamless viewing experience'.



## SOUND IS HEARD, NOT SEEN

Breaking through the fixed idea that speaker grills must be exposed, the Invisible Speaker design provides a "fuller sweet spot" and more realistic sound. Personally tuned by Mr. Mark Levinson, world-renowned audio authority, this unique design has rich and lively sound that can be enjoyed from any angle.

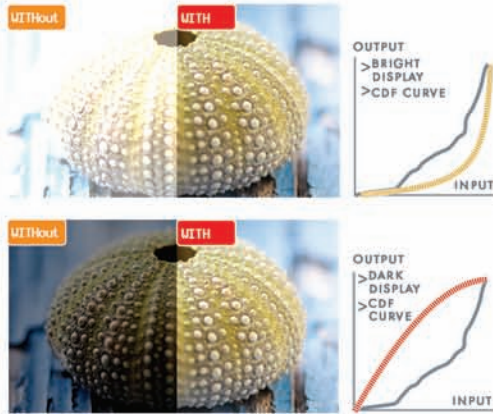


**EDGE DETECTION TECHNOLOGY** TO HELP PREVENT DISTORTION.



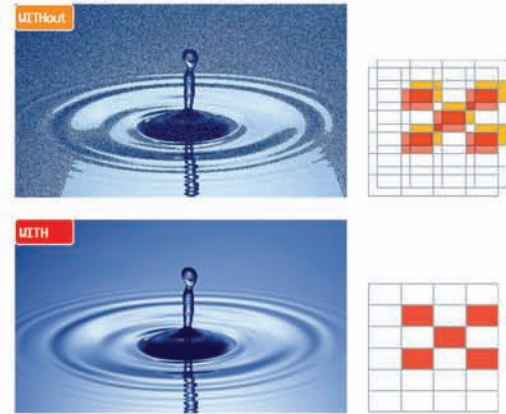
Dramatization

**DYNAMIC BLACK STRETCH** THE MINIMUM BLACK LEVEL OF AN IMAGE IS AUTOMATICALLY DETECTED AND ADJUSTED ACCORDING TO BRIGHTNESS.



Dramatization

**CLEAR SCREEN** USING THE NOISE FILTER INSIDE THE XD ENGINE CHIP, THE IMAGE IS ANALYZED FOR TEMPORAL AND SPATIAL INFORMATION TO REDUCE MPEG NOISE.



Dramatization

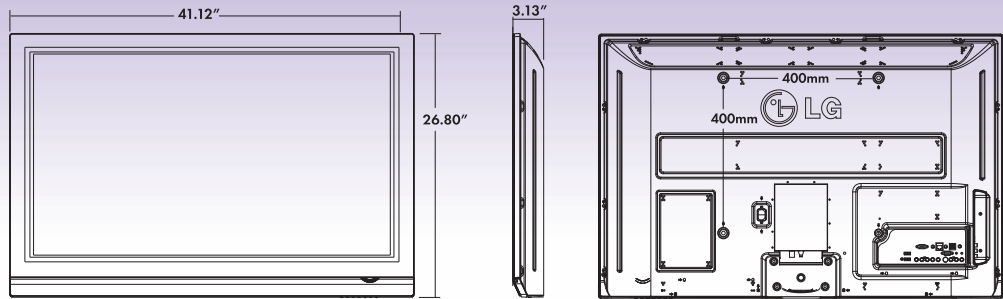
# DIMENSIONS

## 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.

42PG60C

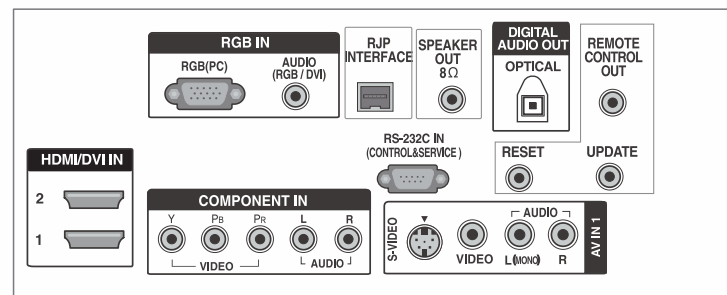


## MPEG-4 TECHNOLOGY

(Moving Picture Experts Group) MPEG-4 decodes and delivers high-definition programming it receives via satellite. The advanced coding system is compatible with current national and local HD channels, along with digital HD channels currently launched by DIRECTV. LG built this technology into its PG60C series TVs to deliver pure HD without the need for an external box\*.

\*Certain functions, such as Pay-Per-View, may require a setTop box.

### REAR JACK PANEL



### SIDE JACK PANEL



42PG60C 42" CLASS (41.5" DIAGONAL)

SPECIFICATIONS

**PLASMA MODULE**

PDP Panel Type	42" wide format
Display Area	41.5" diagonal
Aspect Ratio	16:9
Native Display Resolution	1024x768
Decoder Format	MPEG-4 (H.264 full HD real time decoding, AC-3 decoding)
Dynamic Contrast Ratio	30,000:1
Brightness	1,500 cd/m <sup>2</sup>
Life Span (approx.)	100,000 hours to half brightness
Anti-reflective screen	Non-reflective black matrix structure
Viewing Angle (H/V)	178° / 178°

**TUNING SYSTEM**

Integrated ATSC/NTSC/Clear QAM Tuner	Yes
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**VIDEO**

All Format Converter	Yes (1080i/720p/480p/480i » 768p)
Digital Comb Filter	3D
Color Temperature Adjustment	3 Modes (Cool/Med/Warm)
Enhanced Video	Yes
Advanced Cinema Mode	Yes
Advanced Black Level	Yes
DLTI (Digital Luminance Transient Improver)	Yes
DCTI (Digital Color Transient Improver)	Yes
Black/Blue Stretcher	Yes
3:2 Pull Down	Yes
Aspect Ratio Control	7 Modes (Set by Program, 4:3, 16:9, Horizon, Zoom 1 Zoom 2, Cinema Zoom)
Picture Control	Con/Bri/Tint/Color/Sharpness
Dual XD Engine	Yes
XD Picture Improvement Technology	Yes (XD Contrast, XD Color, XD NR [Noise], MPEG NR)
Integrated Pro:Idiom	Yes
EZ Picture	5 Modes (Daylight, Normal, Night Time, User 1, User 2)

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**AUDIO**

Invisible Speaker System	Yes (No visible speaker grilles)
Speaker System Details	2 Way 4 Speakers
Dolby Digital Decoder	Yes
Mono/Stereo/SAP	Yes
Surround System	3D EchoSound System
Total Audio Watts (RMS)	2 x 10 W
Bass/Treble/Balance	Yes
EZ SoundRite (Auto Volume Limiter)	Yes (On/Off)
EZ Sound	6 Modes (Normal, Stadium, News, Music, Theater, User)

**REAR INPUTS**

RF In	1 (NTSC + ATSC tuner)
A/V In	1
S-Video In	1
Component & R/L Audio In	1 (Y, Pb, Pr) - 480i/p, 720p, 1080i
RGB In (DB15-RGB)	1 (for PC RGB)
RS-232C	1
IR In	1
RJ-45	1 (for RJP interface)
MPI Slot	1 (standard type)
Audio In (Phone Jack)	1
HDMI	2

**REAR OUTPUTS**

Digital Sound Out	1
Speaker Out	1

**SIDE OUTPUTS**

A/V In	1
S-Video In	1

**SPECIAL FEATURES**

Picture in Picture (1 Tuner)	Yes
Swap (Main/Sub)	Yes (Only RF/AV)
Main Source	Yes
Sub Source	Yes
Image Sticking Minimization with Pixel Orbiter, White Wash, Inversion	Yes
Trilingual Menus	English, Spanish, French
Audio Language (only in DTV/CADTV mode)	Yes
EZ Menu	Yes
Commercial Installation Menu	Yes (English Only)
TV Link Protocol	TV Link-Commercial
Discrete IR	Yes
Auto/Manual Clock	Yes (Manual Clock Only)
Auto Shut-off (no input signal after 10 min.)	Yes
On/Off Timer	Yes
Sleep Timer	Yes
Auto/Manual Programming	Yes
Channel Labeling	Yes
Closed Captions (customizable)	Yes
Mute	Yes
Decryption	Yes
RJP Plug&Play Support	Yes
Flashback (Quick View)	Yes
Parental Control/V-Chip	Yes
Calibration Mode	Yes
Function Menu	Yes

**POWER**

Power Consumption	330 W (measured with static image pattern) 270 Wh (measured with video signal - IE62087 dynamic broadcast)
Power Source	100~240V 50/60Hz

**CABINET**

Dimensions (WxHxD)	41.12" x 26.80" x 3.13"
Weight	55.13 lbs
Shipping Dimensions (WxHxD)	44.09" x 31.57" x 11.22"
Shipping Weight	67.47 lbs
Cabinet Design	Frameless "Single Layer" technology
Cabinet Color	High Gloss Black
VESA™ Compatible	400mm x 400mm, M6
Power Button	Red (Stand-by); Blue (On)
Cable Management Clip	Yes

**OPERATING ENVIRONMENTS**

Storage Temperature Range	-4° F to 140° F (-20° C to 60° C)
Storage Humidity Range	under 85%
Altitude	Up to 9,514 feet (2,900m)
Operating Temperature	32° F to 104° F (0° C to 40° C)
Operating Humidity Range	under 80%

**COMPATIBLE FORMATS**

HDTV, NTSC, VGA, SVGA, XGA, WXGA	Yes
Max Computer Resolution (RGB)	1024 x 768

**REQUIRED APPROVALS**

UL, c-UL, NOM	Yes
RoHS Compliant	Yes

**SERVICE/LIMITED WARRANTY**

Limited Warranty	2 Years Parts/Labor
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**SUPPLIED ACCESSORIES**

Owners Manual, Power Cord (6 foot), LG Universal Remote Control, cable management clip	
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**UPC**

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www.LGcommercial.com



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