

42" CLASS (42.0" DIAGONAL)

42LB50C

LCD TV

LCD Widescreen

HDTV with HD-PPV Capability
with Full HD Resolution



NATIVE DISPLAY RESOLUTION
1920 x 1080 (full 1080p resolution)

MPEG-2/MPEG-4 H.264
DECODING

NEW! DYNAMIC POWER SAVINGS

HD VOD PPV ENCRYPTION
Integrated Pro:Idiom®

BUILT-IN TUNER
ATSC/NTSC/QAM Clear

IMPROVED! DYNAMIC CONTRAST RATIO
10,000:1

LG's EXCLUSIVE XD ENGINE®

SPLIT SCREEN
Using optional auto-sensing
remote jack pack (RJP)

AUTO-SENSING REMOTE JACK PACK
(RJP) COMPATIBLE

NEW! OPTIONAL SECURITY SCREWS INCLUDED

NEW! CUSTOMIZABLE CLOSED CAPTIONS

2 HDMI™ INPUTS WITH HDCP

2-YEAR LIMITED WARRANTY
parts/labor

NOTE: IP-Cast™ ready with integrated card slot using LG's IP card solution for Digital Signage applications (sold separately). Contact DSinfo@LGcommercial.com for more information. If using DIRECTV's™ Free-To-Guest, an additional card may be required.

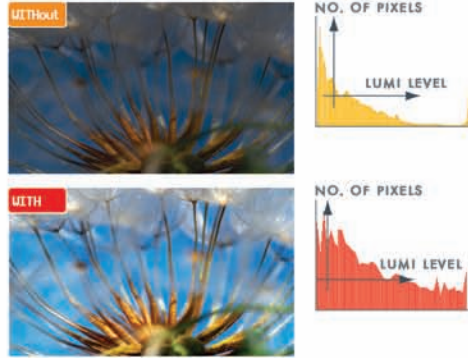
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XD ENGINE

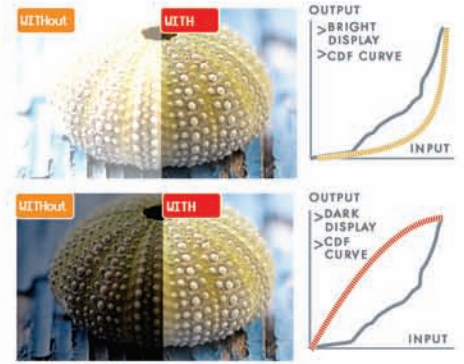
SHARPER
BRIGHTER
CLEARER

ULTRA CONTRAST
AT A BLAZINGLY FAST 370 MILLION PIXELS PER SECOND, THE PROCESSOR USES A HISTOGRAM ANALYZATION TOOL TO CLARIFY THE IMAGE DATA ACCORDING TO SIGNAL BRIGHTNESS LEVELS.



Dramatization

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



Dramatization

OPTIONS FEATURES

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 42LB50C. 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.

POWER SAVING LEVELS

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

42LB50C in Vivid Mode

BACKLIGHT SETTING VALUE	BRIGHTNESS (cd/m ²)	*POWER CONSUMPTION (Watts)
Level 100	302 cd/m ²	220 Watts
90	95%**	95%**
80	84%	87%
70	68%	75%
60	57%	65%
50	47%	57%
40	39%	50%
30	31%	44%
20	23%	36%
10	15%	30%
1	8%	24%

* Power consumption was measured using IEC62087 dynamic broadcast - content video signal
** All percentages listed are percentages based off of level 100

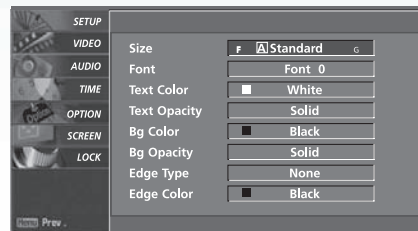
CLONING PROGRAMMER REMOTE



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.

CLOSED CAPTION MENU

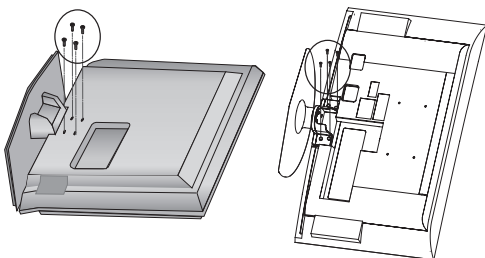


CLOSED CAPTION MENU OPTIONS

- 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.

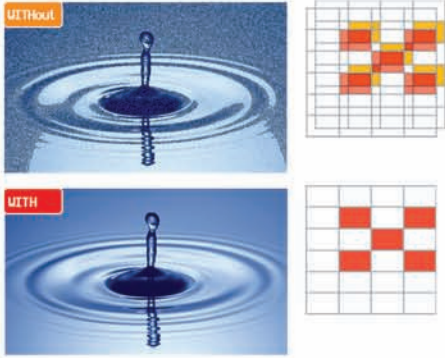
SECURITY SCREWS INCLUDED

Includes 4 Phillip head plus 2 Torx star head (optional use) screws.



CLEAR SCREEN

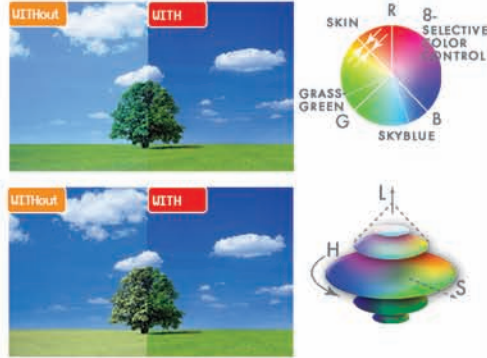
USING THE NOISE FILTER INSIDE THE XD ENGINE CHIP, THE IMAGE IS ANALYZED FOR TEMPORAL AND SPATIAL INFORMATION TO REDUCE MPEG NOISE.



Dramatization

ADVANCED VIVID COLOR

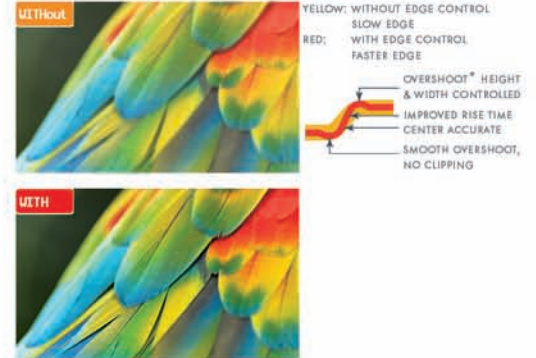
COLORS THAT ARE SENSITIVE TO THE HUMAN EYE ARE OPTIMIZED TO THE NEAREST TRUE COLOR BY THE SELECTIVE COLOR CONTROL.



Dramatization

INTELLIGENT EDGE CONTROL

EDGE LINES ARE EMPHASIZED BY IMPROVING THE TRANSITION FROM THE BACKGROUND TO THE MAIN OBJECT.



Dramatization

Pro:Idiom®

DIGITAL RIGHTS MANAGEMENT SYSTEM

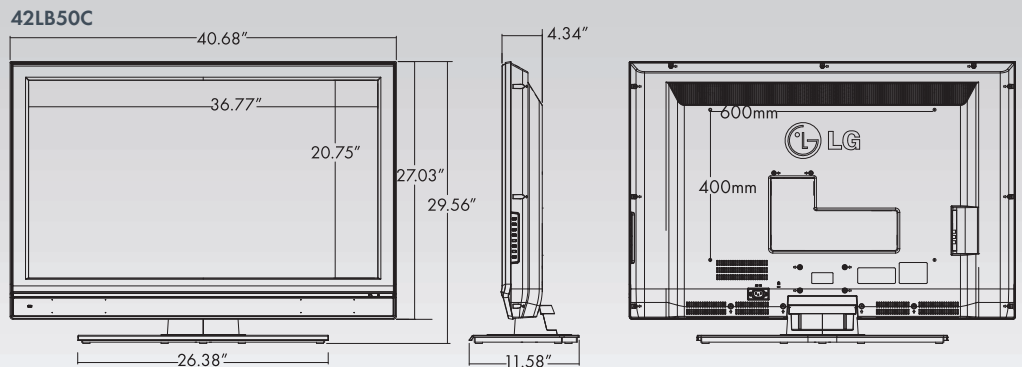
The Pro:Idiom system's high-quality security unlocks access to premium content availability to help assure rapid, broad deployment of HDTV and other high value digital content. Pro:Idiom has been designed specifically for industries that use premium HDTV content from cable, satellite or video on demand (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.

MPEG-4 TECHNOLOGY

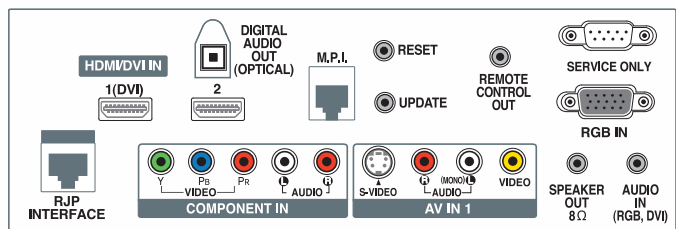
(Moving Picture Experts Group) MPEG-4 decodes and delivers high-definition programming it receives via satellite. The advanced coding system is compatible with current national and local HD channels, along with digital HD channels currently launched by DIRECTV. LG built this technology into its 42LB50C TV to deliver pure HD without the need for an external box*.

* Certain functions, such as Pay-Per-View, may require a set-top box.

DIMENSIONS



REAR JACK PANEL



SIDE JACK PANEL



SPECIFICATIONS

PANEL	
LCD Panel Type	42"
Display Area	42.0" diagonal
Dynamic Contrast Ratio	10,000:1
Contrast Ratio	1,000:1
Native Display Resolution	1920 x 1080
Maximum Computer Resolution (RGB)	XGA (1024x768)
Brightness	500 cd/m ²
Lamp Life	60,000 hours (approx.)
Viewing Angle (HxV) Minimum	178° x 178°
Super IPS	Yes
Response Time	8ms (max)
VIDEO	
ATSC/NTSC/QAM Clear Tuners	Built-in
Program Guide Type	PSIP
Comb Filter	3D Digital
Color Temperature	Cool, Normal, Warm
3:2 Pull Down Cinema Correction	Yes
Aspect Ratio Adjustment	7 Modes
EZ Picture Selection Mode	5 Modes (daylight, normal, nighttime, user1, user2)
XD Engine	Yes
Blue/Black Stretcher	Yes
All Format Converter	Yes (1080i/720p/480p/480i > 1080p)
Enhanced Video	Yes
DLTI (Digital Luminance Transient Improver)	Yes
DCTI (Digital Color Transient Improver)	Yes
Decoder Formats	MPEG-2/MPEG-4 H.264
AUDIO	
Audio Power	20W (10W x 2)
Speaker System Details	2 Way 4 Speakers
3D EchoSound System	Yes
Dolby Digital Decoder	Yes
Bass/Treble/Balance	Yes
EZ SoundRite (Auto Volume Limiter)	Yes
EZ Sound/Sound Selection Mode	6 Modes (normal, stadium, news, music, theater, user)
Mute	Yes
Mono/Stereo/SAP	Yes
INPUTS/OUTPUTS	
RF In	1 (ATSC/NTSC)
HDMI™	Inputs 2
RGB In (PC/DTV Input)	1 (XGA Max. Resolution)
S-Video In	1 Rear/1 Side
Composite Video & Audio L/R In	1 Rear/1 Side
Digital Audio Out (Optical)	1
PC Audio In (RGB/DVI with adaptor)	1
Component HD/DVD & Audio L/R In	1
Speaker Out	1 (1 Watt, Mono)
RS-232C Input (Service Only)	1
Remote Control Out (IR)	1
RJ45 for RJP Interface	1
MPI™ (RJ11) Slot Interface	1
REQUIRED LISTINGS	
UL, c-UL, NOM	Yes

SPECIAL FEATURES	
Integrated Pro:Idiom	Yes
Calibration Mode	Yes
Function Menu	Yes
Split Screen	Yes (using optional auto-sensing jack pack)
Channel Labeling	Yes
TV Link Protocol	Yes
RJP Plug&Play Support	Yes
Discrete IR Codes	Yes
Trilingual Menus	English/Spanish/French
Sleep Timer, On/Off Timer	Yes
Flashback (Previous Channel)	Yes
Parental Control w/V-Chip	Yes
EZ Menus (High Performance Interface)	Yes
EZ Scan (Auto Channel Programming)	Yes
Closed Captions (Customizable)	Yes
Remote, Universal	Yes
CABINET	
Dimensions with Stand (W×H×D)	40.68" x 29.56" x 11.58"
without Stand (W×H×D)	40.68" x 27.03" x 4.34"
Packaging (W×H×D)	44.06" x 33.78" x 14.72"
Weight with Stand	61.3 lbs
Weight without Stand	47.2 lbs
Weight with Packaging	71.9 lbs
Cabinet Style	Table Top
Security Screws	Yes (attaches stand to neck)
Stand to Desk Mountable	Yes
Table Stand Included	Yes (±20° swivel)
Power Cord Length	9 ft.
Color	Gloss Black
VESA Standard Mount Interface	600mm x 400mm
UPC	
42LB50C	7 19192 17424 5
POWER	
Dynamic/Static Power Savings	Yes
Power Consumption (typ.) with Power Saving Modes Disabled	220W
SERVICE/LIMITED WARRANTY	
Limited Warranty (Parts/Labor)	2 Years

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LG Electronics U.S.A., Inc.
Commercial Products Division
2000 Millbrook Drive,
Lincolnshire, IL 60069

Customer Service: 888.865.3026

Contact your LG Regional Sales Representative:
Hospitality: 800.228.1236
B2B: 800.897.8788
Channel Markets: 800.897.8871

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