

32" CLASS (31.5" DIAGONAL)  
26" CLASS (26.0" DIAGONAL)  
22" CLASS (22.0" DIAGONAL)

32LG3DCH  
26LG3DCH  
22LG3DCH

LCD TV

## Hospital Grade LCD Widescreen

## HDTV with HD-PPV Capability



DESIGNED SPECIFICALLY FOR THE HEALTHCARE INDUSTRY

UL HOSPITAL GRADE LISTED  
Built-in Pillow Speaker Port  
Built-in Card Slot (MPI™ Interface)  
Rear Speaker Disable Switch

**NEW!** DYNAMIC POWER SAVINGS

**NEW!** USB CLONABLE

HD VOD PPV DECRYPTION AND  
INTERACTIVE SYSTEM CAPABILITY  
Integrated Pro:Idiom®

DIGITAL HD-PPV COMPATIBILITY

MPEG-2 DECODER

BUILT-IN ATSC/NTSC/CLEAR QAM TUNER

DISPLAY RESOLUTION  
1366 x 768 (32", 26")  
1680 x 1050 (22")

**NEW!** DYNAMIC CONTRAST RATIO  
12,000:1 (32", 26")  
3,000:1 (22")

LG'S EXCLUSIVE XD ENGINE®

**NEW!** REAL CINEMA™

**NEW!** CLEAR VOICE™

MULTIPLE INPUTS  
HDMI™, Headphone Jack, Pillow Speaker and MPI Slot

**NEW!** INVISIBLE SPEAKERS

STANDARD VESA™ MOUNTING INTERFACE  
200mm x 100mm (32", 26")  
100mm x 100mm (22")

2 YEAR LIMITED WARRANTY  
(parts and labor)

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

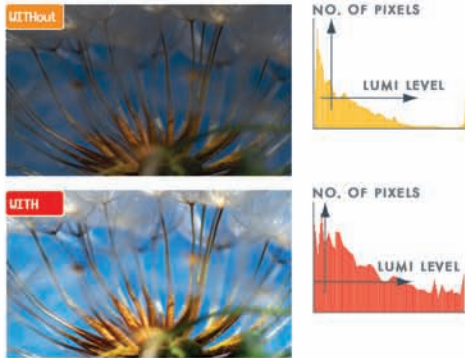


# XD ENGINE

SHARPER  
BRIGHTER  
CLEARER

## ULTRA CONTRAST

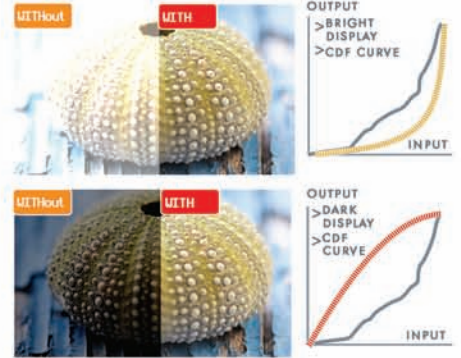
AT A BLAZINGLY FAST 370 MILLION PIXELS PER SECOND, THE PROCESSOR USES A HISTOGRAM ANALYZATION TOOL TO CLARIFY THE IMAGE DATA ACCORDING TO SIGNAL BRIGHTNESS LEVELS.



Dramatization

## DYNAMIC BLACK STRETCH

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



Dramatization

# SPECIAL FEATURES

32LG3DCH (silver)  
26LG3DCH (silver)



22LG3DCH (silver)



## 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.



### VIEWING QUALITY AS THE DIRECTOR INTENDED

24p playback matches the original frame rate of film based content, making your viewing experience one step closer to "Real Cinema"

#### Original Film

Original film has a frame rate of 24 frames per second. To be viewed on standard video equipment such as TVs it must be have a pull down solution.

#### NTCS Pulldown Solution

NTSC corrects the frame rate difference by repeating every 4th frame. Sound must be separated from the film to avoid any distortion.

#### Real Cinema

Real Cinema uses a 2:3 pull down which takes ever other frame and splits it into three fields of video for a smoother transition from film to video.



Dramatization



## POWER SAVING LEVELS

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

### 32LG3DCH in Vivid Mode

BACKLIGHT SETTING VALUE	BRIGHTNESS (cd/m <sup>2</sup> )	* POWER CONSUMPTION (Watts)
Level 100	217 cd/m <sup>2</sup>	122 Watts
90	93%**	93%**
80	87%	89%
70	79%	84%
60	72%	78%
50	59%	73%
40	57%	67%
30	50%	61%
20	44%	57%
10	36%	51%
1	29%	46%

### 26LG3DCH in Vivid Mode

BACKLIGHT SETTING VALUE	BRIGHTNESS (cd/m <sup>2</sup> )	* POWER CONSUMPTION (Watts)
Level 100	445 (cd/m <sup>2</sup> )	124W
90	99.55%**	100%**
80	89.89%	91%
70	80.00%	83%
60	70.79%	76%
50	60.00%	68%
40	51.69%	62%
30	40.90%	54%
20	31.24%	47%
10	20.67%	40%
1	12.36%	33%

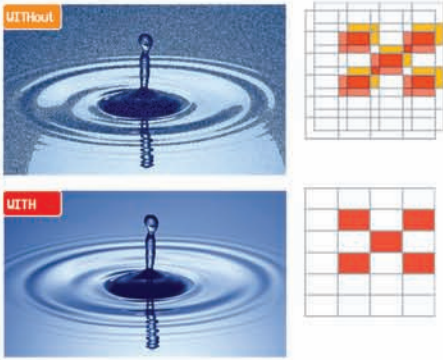
### 22LG3DCH in Vivid Mode

BACKLIGHT SETTING VALUE	BRIGHTNESS (cd/m <sup>2</sup> )	* POWER CONSUMPTION (Watts)
Level 100	299 cd/m <sup>2</sup>	51.8 Watts
90	90%**	93%**
80	81%	87%
70	72%	83%
60	63%	78%
50	52%	73%
40	42%	66%
30	33%	61%
20	23%	55%
10	14%	48%
1	7%	44%

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

## CLEAR SCREEN

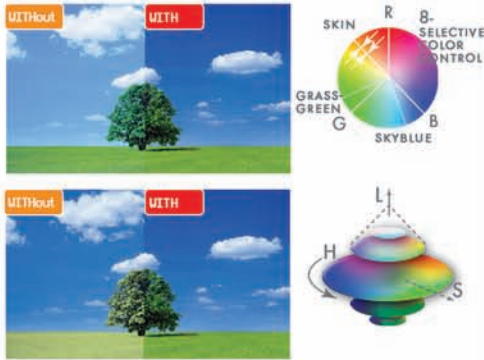
USING THE NOISE FILTER INSIDE THE XD ENGINE CHIP, THE IMAGE IS ANALYZED FOR TEMPORAL AND SPATIAL INFORMATION TO REDUCE MPEG NOISE.



Dramatization

## ADVANCED VIVID COLOR

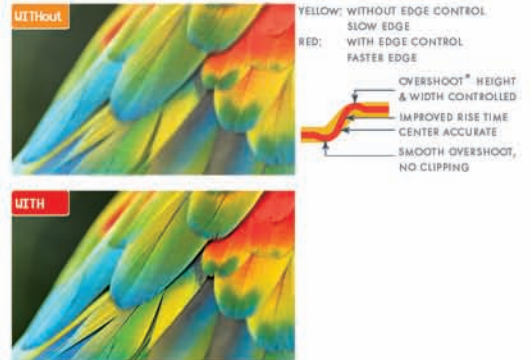
COLORS THAT ARE SENSITIVE TO THE HUMAN EYE ARE OPTIMIZED TO THE NEAREST TRUE COLOR BY THE SELECTIVE COLOR CONTROL.



Dramatization

## INTELLIGENT EDGE CONTROL

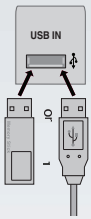
EDGE LINES ARE EMPHASIZED BY IMPROVING THE TRANSITION FROM THE BACKGROUND TO THE MAIN OBJECT.



Dramatization

## CLONING OPTIONS

### USB CLONING



### TLL-1100A TVLink-Loader

By using the optional handheld, rechargeable TVLink-Loader, the installer can "clone" the Commercial Settings from one TV and then transfer this information quickly to many other TVs that have this feature.



### LT2002 CLONING PROGRAMMER REMOTE

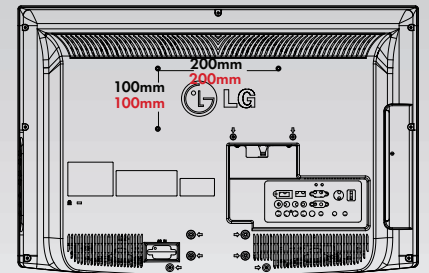
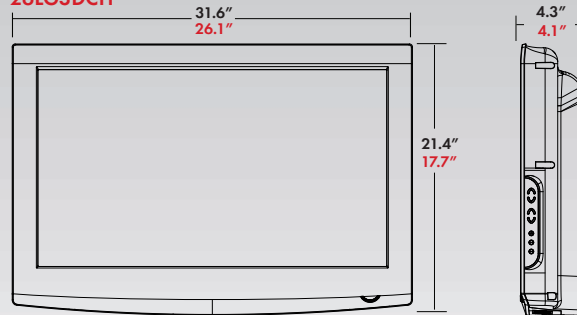
QUICKSET II CLONE®

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.

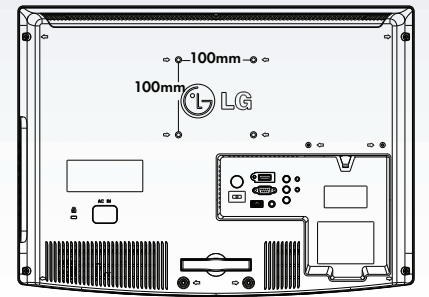
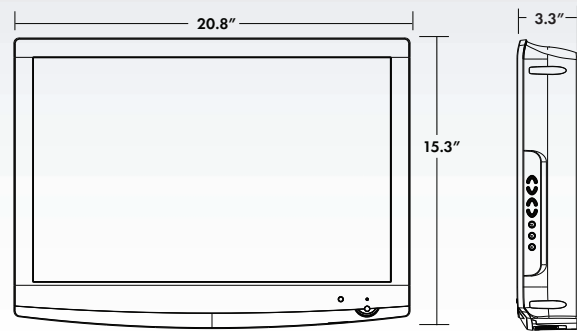


# DIMENSIONS

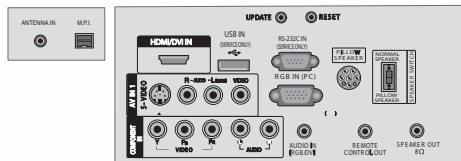
### 32LG3DCH 26LG3DCH



### 22LG3DCH



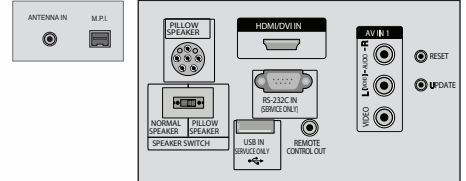
### 26LG3DCH/32LG3DCH REAR



### SIDE



### 22LG3DCH REAR



### FRONT



32LG3DCH  
26LG3DCH  
22LG3DCH

32" CLASS (31.5" DIAGONAL)  
26" CLASS (26.0" DIAGONAL)  
22" CLASS (22.0" DIAGONAL)

# SPECIFICATIONS

## DISPLAY

LCD Panel Type	22", 26", 32"
Display Area	22.0", 26.0", 31.5" diagonal
Aspect Ratio	16:9
Native Resolution	1680 x 1050 (22"), 1366 x 768 (26", 32")
Pixels (HxVx3)	5,292,000 (22"), 3,147,264 (26", 32")
Brightness	300 cd/m <sup>2</sup> (22"), 500 cd/m <sup>2</sup> (26", 32")
Dynamic Contrast Ratio	3,000:1 (22"), 12,000:1 (26", 32")
Contrast Ratio	1000:1 (22"), 2500:1 (26", 1500:1 (32"))
Viewing Angle (Horizontal/Vertical)	160°/160° (22"), 176°/176° (26"), 178°/178° (32")
Color Depth	8bit (16.7M)
Life Span (approx. hrs)	50,000 hours (22", 32"), 60,000 hours (26")
Response Time	5ms (G to G) (22"), 6ms (G to G) (26", 32")

## MAIN SYSTEM

MPEG Decoder	MPEG2/AC-3
Max Output Resolution	UXGA/WSXGA+

## VIDEO

ATSC/NTSC/QAM Clear Tuner	Yes (Built-in)
ATSC with HD-PPV	Yes (Built-in)
All Format Converter	Yes (1080p/1080i/720p/480p/480i > 1050p) (22") (1080p/1080i/720p/480p/480i > 768p) (26", 32")
Comb Filter	Yes (3D Digital)
Digital Progressive Scan	Yes
Color Temperature	Yes (Cool/Normal/Warm)
Enhanced Video	Yes
Advanced Ghost Canceler	Yes
DLTI (Digital Luminance Transient Limiter)	Yes
DCTI (Digital Color Transient Improver)	Yes
Black/Blue Stretcher	Yes
3:2 Pull-Down (film mode)	Yes
Aspect Ratio	6 Modes (Set by Program, 4:3, 16:9, Zoom 1, Zoom 2, Just Scan at Digital & HDMI & Comp high res)
Picture Control	Con/Bri/Tint/Color/Sharpness
Noise Reduction	Yes
XD Engine	Yes
EZ Picture	7 Modes (Vivid/Standard/Cinema/Sports/Game/Expert 1/Expert 2)

## AUDIO

# of Speaker	2
Dolby Digital <sup>®</sup> Decoder	Yes
Mono/Stereo/SAP	Yes
Surround System	SRS TruSurround XT <sup>™</sup>
Clear Voice	Yes
Total Audio Watts (RMS)	2 x 3W (6W) (22", 26"), 2 x 10W (20W) (32")
Bass/Treble/Balance	Yes
EZ SoundRite (Auto Volume Leveler)	Yes
EZ Sound	5 Modes (Standard, Music, Cinema, Sports, Game)
Internal Speaker on/off	Yes

## SPECIAL FEATURES

USB Cloning	Yes
Integrated Pro:Idiom	Yes
OSD Type (Menu System)	EZ Menu
Trilingual Menus	Yes (English, French, Spanish)
Commercial Installation Menu	Yes (English only)
Discrete IR Codes	Yes
Real Cinema	Yes
Last Source Power-on Recall	Yes
Auto Power Option	Yes

Auto/Manual Clock	Yes
On/Off Timer	Yes
Sleep Timer	Yes
Auto/Manual Clock	Yes
Channel Labeling	Yes
Favorite Channel	Yes
Closed Caption	Analog/Digital
Mute	Yes
Flashback (Quick View)	Yes
Parental Control/V-Chip	Yes
Function Menu	Yes
Auto Off	Yes
Remote	Not Included

## JACKS

RF in	1 (NTSC+ATSC tuner)
A/V In	1 (Rear)
S-Video In	1 (Rear) (except 22")
Component & R/L Audio In	1 (Rear) (except 22")
RGB In (DB15-RGB)	1 (Rear) (except 22")
Audio in (Phone Jack)	1 (Rear: PC) (except 22")
HDMI	1 (Rear)
Speaker Out	Yes (8 ohm mono 1W Phone Jack) (except 22")
Headphone Jack	Yes (Side) (26", 32"), (Front) (22") (1/8" stereo mini jack)
Pillow Speaker	Yes
RS-232C	1 (Rear) Service Only
IR In/out	1 (out to MPI Slot)
USB	1 (Cloning and Service)
MPI Slot	1 Slot (Standard Type)

## OPTIONAL REMOTES

Installer Remote	124-213-07
Patient Remote	124-213-08
"Clone" Programmers	TLL-1100A, LT2002

## REQUIRED CERTIFICATIONS

UL C-UL	Yes
UL Hospital Grade	Yes

## CABINET

Color	Silver
Power/Standby Indicator	Illuminates red in standby mode/green in on mode
Unit Dimensions (WxHxD)	31.6" x 21.4" x 4.3" (32") 26.1" x 17.7" x 4.1" (26") 20.8" x 15.3" x 3.3" (22")
Unit Weight	26.2 lbs (32") 20.95 lbs (26") 13.54 lbs (22")
Shipping Dimensions (WxHxD)	38.7" x 26.0" x 7.4" (32") 32.4" x 21.5" x 8.1" (26") 27.28" x 19.0" x 6.3" (22")
Shipping Weight	36.8 lbs (32") 26.0 lbs (26") 18.5 lbs (22")
Invisible Speakers	Yes (Built-in)
VESA <sup>™</sup> Standard Mount Interface	200mm x 100mm, M4 screws, (26", 32") 100mm x 100mm, M4 screws, (22")
UL Hospital Grade Power Cord	Yes
Stand	Not included

## POWER

Dynamic/Static Power Savings	Yes
Power Source	110V 50/60Hz
Power Consumption (typ.) with Power Saving modes disabled	50W (22"), 120W (26"), 139W (32")
Power Standby Mode	2.4W, (26", 32"), 2W, (22")

## SERVICE/LIMITED WARRANTY

UPC CODE	2 Years (Parts/Labor)
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32LG3DCH	7 19192 17402 3
26LG3DCH	7 19192 17403 0
22LG3DCH	7 19192 17436 8



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