



LCD TV

## 55LH40

55" Class Full HD 1080p 120Hz LCD TV  
(54.6" diagonal)



Full HD 1080p performance, a robust feature set and Smart Energy Savings make the LH40 Series a standout.

### TV

- TruMotion 120Hz
- Intelligent Sensor Mode
- Full HD 1080p HD Resolution
- 70,000:1 Dynamic Contrast Ratio
- 2.7ms Response Time (GTG)
- 500 cd/m2 Brightness
- Wide Color Gamut
- Super IPS Panel
- Wide Viewing Angle
- XD Engine®
- 24p Real Cinema
- ISFccc® Ready
- Picture Wizard
- AV Mode II (Cinema, Sports, Game)
- 60,000 Hour Panel Life (typical)
- NTSC/ATSC Tuners with Clear QAM

### AUDIO

- Output Power: 10W x 2
- Invisible Speaker System
- Clear Voice II
- SRS TruSurround XT™
- Smart Volume Controller
- Dolby® Digital 5.1 Decoder

### SMART ENERGY SAVINGS

- Backlight Control
- Video Mute
- ENERGY STAR® 3.0 Compliant

### CONNECTIVITY

- 4 HDMI™ V1.3 with Deep Color (3 rear/1 side)
- SIMPLINK™ Connectivity
- 2 HD Component Video Inputs (rear)
- 1 Composite Input (rear)
- 1 Digital Audio Out (Optical) (rear)
- USB 2.0 (JPEG, MP3) (side)
- PC Connectivity (D-sub 15pin)
- RF Antenna Input



# 55LH40

55" Class Full HD 1080p 120Hz LCD TV  
(54.6" diagonal)



**LCD SPECIFICATION**

Screen Size (Class)	55" Class (54.6" diagonal)
Native Display Resolution	1920 x 1080p
Brightness (cd/m <sup>2</sup> )	500
Dynamic Contrast Ratio	70,000:1
Viewing Angle	178° / 178°
Response Time	2.7ms
TruMotion 120Hz	
True Viewing Angle	
Life Span (Typical)	60,000 hours

**BROADCASTING SYSTEM**

Analog	
ATSC/NTSC/Clear QAM	

**VIDEO**

XD Engine	
Aspect Ratio	16:9
Aspect Ratio Correction	6 Modes
Just Scan (1:1 Pixel Matching)	

- HDMI	1080p/1080i/720p
- Component	1080p/1080i/720p
- RF	1080i/720p

Enhanced Noise Reduction (Video Noise Filter)	• (3D & MPEG)
Color Temperature Control	3 Modes

24p Real Cinema	• (5:5)
3:2 Pulldown	
Picture Reset	

AV Mode II (Picture & Sound)	3 Modes
Picture Mode	8 Modes

ISFccc Ready	
Intelligent Sensor Mode	
xvYCC	
DTV Signal Strength Indicator	

**AUDIO**

Mono/Stereo/Dual (MTS/SAP)	
Audio Output Power (Watts - THD 10%)	10W + 10W
Invisible Speaker System Details	2 Way 4 Speaker

Dolby Digital 5.1 Decoder	
Surround System Type	SRS TruSurround XT

Bass/Treble/Balance Controls	
Clear Voice II	
Auto Volume Leveler II	

Sound Mode	5 Modes
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**SPECIAL FEATURES**

Picture Wizard	
Backlight Control	
Smart Energy Saving	
Mechanical Power Off	
1080p Source Input	

- HDMI	60p/30p/24p
- Component	60p/30p/24p
- RGB	60p

A/V Input Navigation	
Input Labeling	

Quick View (Previous Channel)	
Quick Setup Guide	
e-Manual	

Parental Control w/V-Chip	
Key Lock	
Closed Caption	

LG SIMPLINK (HDMI CEC)	
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**CONVENIENCE FEATURES**

Language	English/Spanish/French/Korean
Auto Tuning/Programming	
Channel Add/Delete	

Channel Labeling	
Favorite Channel Programming	
Auto/Manual Clock	

On/Off Timer	
Sleep Timer	
Auto Off/Auto Sleep (When no video is present)	

**SIDE AUDIO/VIDEO INPUTS/OUTPUTS**

L/R Audio/Composite Video In	1
HDMI/HDCP Input	1 (V1.3 with Deep Color)

**SIDE AUDIO/VIDEO INPUTS/OUTPUTS (CONTINUED)**

USB 2.0 (JPEG/MP3)	1
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**REAR AUDIO/VIDEO INPUTS/OUTPUTS**

RF In (Antenna/Cable)	1
L/R Audio/Composite Video In	1
HD Component Video In (Y,Pb,Pr) + L/R Audio	2
Digital Audio Out (Optical)	1
HDMI/HDCP Input	3 (V1.3 with Deep Color)
RGB In (D-Sub 15pin) - PC	1
PC Audio Input	1
RS-232c In (Control/Service)	1

**CABINET/ACCESSORIES**

Cabinet Color	Glossy Black
Swivel Stand (degrees)	20° / 20°
VESA® Compliant (WxH)	400mm x 400mm
Remote Control Type	Unified

**POWER**

Voltage, Hz	100V - 240V, 50/60 Hz
On Mode (Average)	TBD
Stand-by Mode	>1W
ENERGY STAR 3.0 Compliant	

**DIMENSIONS & WEIGHT**

TV without stand (WxHxD)	52.7" x 32.6" x 4.3"
TV with stand (WxHxD)	52.7" x 35.5" x 16.7"
Shipping Dimensions (WxHxD)	57.3" x 40.2" x 21.3"
TV without stand weight	71.7 lbs
TV with stand weight	79.4 lbs
Shipping weight	96.6 lbs

**WARRANTY/UPC**

Limited Warranty	1 Year Parts & Labor
UPC	719192174788

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**LG Electronics U.S.A., Inc.**

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