



LCD TV

42LH90

42" Full HD 1080p LED Backlit 240Hz LCD TV
(42.0" diagonal)



Unlike other LED HDTVs that use "edge" lighting, LG's LH90 uses a full array of LED backlights which employ local dimming techniques for more precise picture control, resulting in deeper blacks, a wider color gamut and smoother motion, for a more natural picture.

TV

- LED Backlight with Local Dimming
- TruMotion 240Hz
- Intelligent Sensor Mode
- Full HD 1080p HD Resolution
- 2,000,000:1 Dynamic Contrast Ratio
- 2.4ms 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)
- 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)
- 2 Composite Input (1 rear/1 side)
- 1 Digital Audio Out (Optical) (rear)
- USB 2.0 (JPEG, MP3, DivX) (side)
- PC Connectivity (D-sub 15pin)
- RF Antenna Input



LGusa.com

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(42.0" diagonal)



LG
Life's Good

LCD SPECIFICATION

Screen Size (Class)	42" Class (42.0" diagonal)
LED Backlight with Local Dimming	•
Native Display Resolution	1920 x 1080p
Brightness (cd/m ²)	500
Dynamic Contrast Ratio	2,000,000:1
Viewing Angle	178° / 178°
Response Time	2.4ms
TruMotion 240Hz	•
True Viewing Angle	•

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)
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3:2 Pulldown	•
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Picture Reset	•
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AV Mode II (Picture & Sound)	3 Modes
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Picture Mode	8 Modes
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ISFccc Ready	•
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Intelligent Sensor Mode	•
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xvYCC	•
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DTV Signal Strength Indicator	•
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AUDIO

Mono/Stereo/Dual (MTS/SAP)	•
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Audio Output Power (Watts - THD 10%)	10W + 10W
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Invisible Speaker System Details	2 Way 4 Speaker
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Dolby Digital 5.1 Decoder	•
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Surround System Type	SRS TruSurround XT
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Bass/Treble/Balance Controls	•
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Clear Voice II	•
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Auto Volume Leveler II	•
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Sound Mode	5 Modes
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SPECIAL FEATURES

Picture Wizard	•
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Backlight Control	•
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Smart Energy Saving	•
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Mechanical Power Off	•
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1080p Source Input	•
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- HDMI	60p/30p/24p
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- Component	60p/30p/24p
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- RGB	60p
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A/V Input Navigation	•
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Input Labeling	•
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Quick View (Previous Channel)	•
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Quick Setup Guide	•
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e-Manual	•
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Parental Control w/V-Chip	•
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Key Lock	•
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Closed Caption	•
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LG SIMPLINK (HDMI CEC)	•
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CONVENIENCE FEATURES

Language	English/Spanish/French/Korean
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Alvin UI	•
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Auto Tuning/Programming	•
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Channel Add/Delete	•
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Channel Labeling	•
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Favorite Channel Programming	•
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Auto/Manual Clock	•
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On/Off Timer	•
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Sleep Timer	•
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Auto Off/Auto Sleep (When no video is present)	•
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L/R Audio/Component Video In	1
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HDMI/HDCP Input	1 (V1.3 with Deep Color)
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SIDE AUDIO/VIDEO INPUTS/OUTPUTS

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

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

Cabinet Color	Glossy Black/Blue
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Swivel Stand (degrees)	20° / 20°
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VESA® Compliant (WxH)	200mm x 200mm
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Remote Control Type	Unified
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POWER

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

TV without stand (WxHxD)	42.0" x 28.2" x 3.7"
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TV with stand (WxHxD)	42.0" x 30.6" x 14.2"
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Shipping Dimensions (WxHxD)	52.8" x 32.7" x 11.3"
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TV without stand weight	43.0 lbs
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TV with stand weight	51.1 lbs
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Shipping weight	TBD
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WARRANTY/UPC

Limited Warranty	1 Year Parts & Labor
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UPC	719192174696
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Design, features and specifications subject to change without notice.

Non-metric weights and measurements are approximate.

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