



LCD TV

## 42LH20

42" High Definition LCD TV  
(42.0" diagonal)



The LH20 Series is a feature rich HDTV available in a size for every room.

### TV

- 720p HD Resolution
- 30,000:1 Dynamic Contrast Ratio
- 5ms Response Time (GTG)
- 450 cd/m<sup>2</sup> Brightness
- Wide Color Gamut
- Wide Viewing Angle
- XD Engine<sup>®</sup>
- 24p Real Cinema
- ISFccc<sup>®</sup> 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<sup>™</sup>
- Smart Volume Controller
- Dolby<sup>®</sup> Digital 5.1 Decoder

### SMART ENERGY SAVINGS

- Backlight Control
- Video Mute
- ENERGY STAR<sup>®</sup> 3.0 Compliant

### CONNECTIVITY

- 2 HDMI<sup>™</sup> V.1.3 with Deep Color
- SIMPLINK<sup>™</sup> Connectivity
- 1 HD Component Video Input
- 1 Composite Input
- 1 Digital Audio Out (Optical)
- PC Connectivity (D-sub 15pin)
- RF Antenna Input



# 42LH20

## 42" High Definition LCD TV (42.0" diagonal)



### LCD SPECIFICATION

Screen Size (Class)	42" Class (42.0" diagonal)
Native Display Resolution	1366 x 768p
Brightness (cd/m <sup>2</sup> )	450
Dynamic Contrast Ratio	30,000:1
Viewing Angle	178° / 178°
Color Reproduction	10Bit
Response Time	5ms
True Viewing Angle	•
Life Span (Typical)	60,000 hrs

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

### AUDIO

Mono/Stereo/Dual (MTS/SAP)	•
Audio Output Power (Watts - THD 10%)	10W + 10W
Invisible Speaker System Details	1 Way 2 System
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

### SPECIAL FEATURES

Picture Wizard	•
Backlight Control	•
Smart Energy Saving	•
Mechanical Power Off	•
1080p Source Input	•
- HDMI	60p/30p/24p
- Component	60p/30p/24p
- RGB	WXGA

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)	•

### CONVENIENCE FEATURES

Language	English/Spanish/French/Korean
Alvin UI	•
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)	•

### REAR AUDIO/VIDEO INPUTS/OUTPUTS

RF In (Antenna/Cable)	1
L/R Audio/Component Video In	1
HD Component Video In (Y,Pb,Pr) + L/R Audio	1

### REAR AUDIO/VIDEO INPUTS/OUTPUTS (CONTINUED)

Digital Audio Out (Optical)	1
HDMI/HDCP Input	2 (V1.3 with Deep Color)
RGB In (D-Sub 15pin) - PC	1
PC Audio Input	1
RS-232c In (Control/Service)	1
USB (Service only)	1

### CABINET/ACCESSORIES

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

### POWER

Voltage, Hz	100V - 240V, 50/60 Hz
On Mode (Average)	130.6W
Stand-by Mode	>1W

ENERGY STAR 3.0 Compliant

### DIMENSIONS & WEIGHT

TV without stand (WxHxD)	40.5" x 25.8" x 3.5"
TV with stand (WxHxD)	40.5" x 28.2" x 11.7"
Shipping Dimensions (WxHxD)	52.4" x 30.3" x 9.0"
TV without stand weight	34.4 lbs
TV with stand weight	38.4 lbs
Shipping weight	46.7 lbs

### WARRANTY/UPC

Limited Warranty	1 Year Parts & Labor
UPC	719192174917

Design, features and specifications subject to change without notice. Non-metric weights and measurements are approximate.

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