

SHARP**AQUOS****HD**

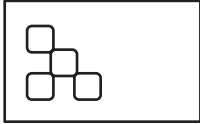
Full HD

90" CLASS
LED Smart TV
(Diagonal)

LC-90LE657U



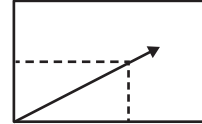
- 4 million : 1 dynamic contrast ratio
- 120Hz refresh rate
- SmartCentral™ provides unlimited content choices, seamless control, and instant connectivity
- Slim design, super-thin bezel
- Powerful 20W audio

**PICTURE QUALITY**

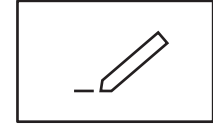
120Hz Refresh Rate and
4 Million : 1 dynamic
contrast ratio

**SMART**

SmartCentral™ provides
unlimited content choices,
seamless control, and
instant connectivity

**SIZE**

44% more screen area than a
75" class (diagonal)¹

**DESIGN**

Slim design, black finish

BIGGER. BETTER.

Brilliant color. Crystal clear picture. Captivating detail. And that's just part of the bigger picture. AQUOS Full HD isn't just available in 60", 70" and 80" class (diagonal); it also comes in a massive 90" diagonal—the only 90" in the marketplace—all in breathtaking 1080p display. The LC-90LE657U is an LED Smart TV that delivers legendary AQUOS picture quality with a 120Hz refresh rate and an 8 million : 1 dynamic contrast ratio for precision clarity during fast-motion scenes.

Sharp's intuitive SmartCentral™ lets you quickly connect to your favorite content. Working through built-in Wi-Fi, you can instantly access apps, streaming movies, music, games, and websites. Dual-core processing means faster load times for apps and the web browser, so you spend less time waiting and more time enjoying. And with instant access to movies with Netflix®, to videos with YouTube®, music with Pandora® and Rhapsody®, social sites like Facebook and Twitter, and the best of gaming – what you love is only a click away. Web browsing on your Sharp television completes the incredible experience; big, beautiful, super-fast, and built-in, you can now visit all your favorite sites in a window larger than life.

¹ Based on data available as of January 20, 2014.

SHARP**AQUOS****HD**

Full HD

**90^{''} CLASS
LED Smart TV**
(Diagonal)

LC-90LE657U

TECHNICAL SPECIFICATIONS**PANEL SPECIFICATIONS**

Q+ Technology	-
Quattron™ Technology	-
Revelation™ Upscaler	-
Display Panel Type	LCD
Backlight Type Source	LED Full Array
Effective Resolution	1920 x 1080, Full HD
Native Panel Resolution	1920 x 1080, Full HD
Subpixels	6 million
Aspect Ratio	16x9
Dynamic Contrast Ratio	8,000,000:1
Refresh Panel Rate	120Hz
Refresh Scanning Rate	AquaMotion 240
Super Bright™	-

BROADCAST SYSTEM

Analog	NTSC
Digital	ATSC/QAM

BEZEL & TABLE STAND

Narrow Bezel	Yes
Slim Profile	Yes
Bezel Material	Plastic
Bezel Color	Black
Stand Color	Black
Stand Shape	Square

SPECIAL FEATURES

Wallpaper Mode	Yes
THX® Certified	-
Gaming Mode	Yes
Vintage Movie mode	-
AQUOS Advantage SM Live Powered by Update Logic	No

VIDEO

Optical Picture Control (OPC)	Yes
Enhanced Noise Reduction	Yes

AUDIO

Speakers (channel)	2
Speaker Location	Bottom, Down Firing
Speaker Output Power	10W+10W+15W (w/Subwoofer)
Auto Volume Control	Yes
Clear Voice	Yes
Simulated Surround	Yes
Headphone Jack	-
Wall Mount Setting	Yes

SMARTCENTRAL

Smart Apps	Yes
Dual Core Processor	Yes
Remote Control App (iOS/Android)	Yes
Web Browser	Yes
Split-Screen Web + TV	Yes
DLNA Certified®	Yes
MHL Compatible	Yes

AV INPUT/OUTPUTS (#, LOCATION)

RS-232C	1
PC In (1-15 pin D-sub)	1
Total USB Input(s)	2
USB feature	Photo/Music/Video/Software Update
Total HDMI Input(s)	4
ARC (Audio Return Channel)	Yes (HDMI 1)
4K input	-
HDCP 2.2	-
MHL	Yes (HDMI 4)
RF in (Antenna/Cable)	1
Component Video Input(s)	1
Composite Video Input(s)	2
Audio Input(s)	4
Audio Output(s)	1
Digital Audio Output	Optical

CONNECTIVITY

Ethernet	Yes
Built-in Wireless	Yes (801.11 a/b/g/n)
IP Control	Yes
Bluetooth	-

3D

Type	Active 3D
Bluetooth 3D Glasses	AN-3DG40 (2 included)

CONVENIENCE FEATURES

Remote Type	Universal
Child Lock	Yes
Sleep Timer	Yes
Closed Caption	Yes
V-Chip	Yes
Language (English/French/Spanish)	Yes

POWER

Power Source (Voltage, Hz)	AC 120 V, 60 Hz
ENERGY STAR® Qualified	-

WALL MOUNT

VESA Compliant	Yes (600mm x 400mm)
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DIMENSIONS/WEIGHT (inches/lbs.)

Excluding Stand (w/htxd)	80-7/8" x 47-11/16" x 4-37/64"
Including Stand (w/htxd)	80-7/8" x 48-61/64" - 17-3/32"
Shipping (w/htxd)	88-1/16" x 57-1/2" x 13-3/16"
Product Weight (Excluding Stand/Including Stand)	141.1 lbs./150 lbs.
Shipping Weight	203.9 lbs.
UPC	074000376175

WARRANTY/UPC

Parts	1 year limited
Labor	1 year limited

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Product specification and design are subject to change without notice.

SHARP ELECTRONICS CORPORATION
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SHARP**AQUOS****HD**

Full HD

90" CLASS
LED Smart TV
(Diagonal)

LC-90LE657U

MODEL FEATURES



PICTURE QUALITY

AQUOS HD

AQUOS HD isn't just available in 60", 70" (69.5" diag.) and 80" screen size classes; it also comes in a massive 90" class (diag.) - the only 90" class in the marketplace - all in breathtaking Full HD 1080p display. Bigger gets better as AQUOS HD also gives you unlimited content choices, seamless control, and instant connectivity through the SmartCentral platform making it like nothing you - or anyone else - has ever seen before.

120Hz REFRESH RATE

See sharper, more electrifying action, with the most advanced panel refresh rates available today. 120Hz technology delivers crystal-clear images even during fast-motion scenes.

AQUOMOTION 240

AquaMotion 240, Sharp's backlight scanning technology, doubles the effective refresh rate to hit you with all the power that fast-moving sports and movies can deliver.



SMART

SMARTCENTRAL™

Sharp's intuitive SmartCentral™ lets you quickly connect to your favorite content. Working through built-in Wi-Fi, you can instantly access apps, streaming movies, music, games, and websites. Dual-core processing means faster load times for apps and the web browser, so you spend less time waiting and more time enjoying. And with instant access to movies with Netflix®, to videos with YouTube®, music with Pandora® and Rhapsody®, social sites like Facebook and Twitter, and the best of gaming - what you love is only a click away. Web browsing on your Sharp television completes the incredible experience; big, beautiful, super-fast, and built-in, you can now visit all your favorite sites in a window larger than life.

DUAL-CORE PROCESSOR

Dual-core processing means faster load times for apps and the web browser. So you spend less time waiting and more time enjoying.

MOST POPULAR APPS

The apps you love are now accessible through Sharp's SmartCentral™. From instant access to movies with Netflix, to videos with YouTube®, music with Pandora® and Rhapsody®, social sites like Facebook and Twitter, and the best of gaming - what you love is only a click away.

WEB BROWSER

Welcome to the world's most incredible web browser: your Sharp television. Big, beautiful, super-fast, and built-in, you can now visit all your favorite sites in a window larger than life.

SPLIT-SCREEN WEB + TV

Sharp's split-screen experience lets you surf the web while you watch TV, so you never have to choose between your favorite show and your favorite site. Technology that gives you the best of television and the best of the web - that's truly the best experience.

FLASH-ENABLED

Not all browsers are created equal. Sharp lets you see stunning Flash-created animations live from your browser so that you can focus on the content, not the compatibility.

BUILT-IN WI-FI

Every AQUOS Smart TV has built-in Wi-Fi technology* that allows you to connect without the hassle of finding a cable.

*Additional fees and/or subscriptions may apply

REMOTE CONTROL APP

Your remote's never out of reach with Sharp's app that lets you change the channel right from your iOS® or Android™ smartphone or tablet.

SHARP BEAM

Beam app turns your smartphone into a fully functional content sharer that's simple and fun to use. Flick photos, videos, movies, and more from your smartphone or tablet to your big screen.

NETFLIX SECOND SCREEN

With Netflix Second Screen, you can browse and select the movie or show you want to watch on your smartphone and play it on your TV - instantly. Now the only thing standing between you and your favorite movies and TV shows is deciding which to watch.

HDMI®

When it comes to HD connections for your gear, the more the better. HDMI® lets you connect sources like your Blu-ray Disc™ player, cable box, and game consoles with the most advanced digital connections available today.

MHL®

An MHL® connection turns a small-screen phone into a big-screen experience. MHL delivers HD uncompressed video with up to eight channels of digital audio. Since MHL also charges the mobile device, you can power up at the same time you're connected. You can also control MHL-enabled mobile devices using your existing TV remotes to easily access and select content.

COMPATIBILITY

Sharp AQUOS LED large screens are smarter smart TVs. They work seamlessly with virtually all your gear, from Blu-ray™ to cable boxes to gaming consoles. And with 4 HDMI® inputs, you can keep your options open.

REMOTE SOFTWARE UPDATES

Television at its smartest: your AQUOS LED TV automatically updates its software as improvements and optimizations are developed.



DESIGN

SLIM DESIGN

Fit more screen in less space. The brilliant AQUOS LED display is embraced by a striking new frame that's thinner around the screen and slimmer in depth, so it can fit just about anywhere.

WALLPAPER MODE

This innovative feature turns a blank screen into a work of art. When the TV is turned off, Wallpaper Mode lets you display virtually any image you choose on the AQUOS LED screen at a reduced light level that mirrors museum conditions, so your screen blends beautifully into your room's decor. All at extremely low power. You can even set on and off times.



SOUND

20W AUDIO

Big sound to complete your big-screen experience. The powerful 20W audio features high fidelity with Clear Voice, so all of your scenes sound great.