

# SHARP®

## LC-70UD1U

70" CLASS (69.5" DIAGONAL) LED TV



### 4K ULTRA HD LED TV

#### REVELATION 4K UPSCALER

Upconverts all content into 4K (3840 x 2160) resolution

#### THX® 4K CERTIFIED

Meets the highest standards in picture performance

#### 4K ULTRA HD

Four times the pixel resolution of HD

#### 70" CLASS (69.5" DIAGONAL)

#### SMART TV

With dual-core processor and built-in Wi-Fi

#### SLEEK DESIGN

#### 35W DUOBASS AUDIO SYSTEM

#### 4 HDMI WITH NATIVE 4K INPUTS

#### ACTIVE 3D

Two pairs of 3D glasses included in box

## AQUOS®

Legendary AQUOS® picture quality is now available in 4K (3840x2160) resolution. Introducing the 70" Class (69.5" Diagonal) AQUOS® 4K Ultra HD LED TV. With four times the pixel resolution of HD and Sharp's proprietary Revelation 4K Upscaler, it makes everything you watch better. The picture quality experts at THX® agree: the image quality is so outstanding that it earned the first THX 4K Certification. One look and you'll understand why the AQUOS® 4K Ultra HD LED TV isn't just a 4K TV; it's certified amazing.

### Revelation 4K Upscaler

First, a dual-core processor fine-tunes the original signal for optimal picture quality. Next, Sharp's proprietary Revelation 4K Upscaler instantly analyzes and intelligently enhances the content to create a 4K (3840 x 2160) image. Movies, TV shows and video games are sharper and more vivid.



In earning the first THX 4K certification, the AQUOS® 4K Ultra HD LED TV passed over 400 rigorous tests, meeting the highest standards in picture performance.

### Four Times the Pixel Resolution

Now with four times the pixel resolution of standard HD, everything you watch on the AQUOS® 4K Ultra HD LED TV is sharper, more realistic, more stunning.



# LC-70UD1U

70" CLASS (69.5" DIAGONAL) LED TV

## TECHNICAL SPECIFICATIONS

### PANEL SPECIFICATIONS

Quattron™ Technology	–
Quad Pixel Plus 2	–
Display Panel Type	LCD
Backlight Type Source	LED
Maximum Resolution	3840 x 2160 , UHD
Aspect Ratio	16x9
Dynamic Contrast Ratio	10,000,000:1
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 Color	Aluminum (Black)
Stand Color	Dark silver hair line
Stand Type	Fixed

### SPECIAL FEATURES

Wallpaper Mode	Yes (4K)
Gaming Mode	Yes
Vintage Movie mode	—

### VIDEO

Optical Picture Control (OPC)	Yes
Enhanced Noise Reduction	Yes

### AUDIO

Speakers (channel)	2.1
Speaker Location	Bottom, Front Firing
Speaker Output Power	10 W +10W+ 15W (w/Duo bass)
Auto Volume Control	Yes
Clear Voice	Yes
Simulated Surround	Yes
Headphone Jack	–
Wall Mount Setting	Yes

### AV INPUTS/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 4K support all input
ARC	Yes (HDMI 1)
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
Media Slot (SD)	1

### CONNECTIVITY

Ethernet	Yes
Built-in Wireless	Yes (801.11 a/b/g/n)
IP Control	Yes
Bluetooth	Wireless Keyboard + Mouse (Sold separately)

### SMART

Smart Apps	Yes
Dual Core Processor	Yes
Remote Control Apps (iOS/Android)	Yes
Web Browser	Yes
Web+TV Split Screen	Yes
Skype (FREETALK® TV Camera sold separately)	Yes
DLNA Certified®	Yes
MHL® Compatible	Yes

### 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 (version 6.0)	No

### WALL MOUNT

VESA Compliant	Yes (400mm x 400mm)
----------------	---------------------

### DIMENSIONS/WEIGHT (inches/lbs.)

Excluding stand (w x h x d)	62-9/64" x 37-13/32" x 4-16/32"
Including stand (w x h x d)	62-9/64" x 39-7/64" x 16-15/32"
Shipping (w x h x d)	70 7/16" x 11 3/32" x 42 ¾"
Product Weight (Excluding Stand/ Including Stand)	121.3 lbs. with stand/ 103.6 without
Shipping Weight	143.3 lbs.

### WARRANTY/UPC

Parts	1 year limited
Labor	1 year limited
UPC	074000376212

© 2013 Sharp Electronics Corporation. Sharp, AQUOS, SmartCentral, Quattron and related trademarks are trademarks or registered trademarks of Sharp Corporation and/or its affiliated entities. The Skype name, associated trade marks and logos are trademarks of Skype or related entities. Netflix is a registered trademark of Netflix, Inc. Pandora is a registered trademark of Pandora Media, Inc. YouTube is a trademark of Google, Inc. MHL and the MHL logo are a trademark, registered trademark or service mark of MHL, LLC in the United States and/or other countries. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. All other trademarks are property of their respective owners.

Product specification and design are subject to change without notice.

SHARP ELECTRONICS CORPORATION  
Sharp Plaza, Mahwah, NJ 07495  
1-800-BE-SHARP or aquos@sharpusa.com  
www.sharpusa.com



# LC-70UD1U

70" CLASS (69.5" DIAGONAL) LED TV

## SHARP TECHNOLOGY OVERVIEW

### PICTURE QUALITY

---

#### REVELATION 4K UPSCALER

Upscaling is the two-step process Sharp's 4K Ultra HD LED TV uses to receive and evaluate a lower resolution image signal (i.e., 1080p) and create new information to produce a more detailed 4K (3840 x 2160) image.

First, a dual-core processor fine-tunes the original signal for optimal picture quality. Next, Sharp's proprietary Revelation 4K Upscaler analyzes and enhances the content to create a 4K (3840 x 2160) image. Movies, TV shows, video games, and even YouTube videos are analyzed and digitally enriched, unlocking scores of hidden details.

#### THX 4K CERTIFIED

In earning the first THX 4K certification, the AQUOS® 4K Ultra HD LED TV passed over 400 rigorous tests, ensuring that it meets the highest standards in three key picture quality categories: screen uniformity, color performance, and motion processing.

#### 4K ULTRA HD LED TV DISPLAY

Sharp® took its already stunning AQUOS® HD picture technology and gave it four times the pixel resolution for even more clarity, depth, and detail. The AQUOS® 4K Ultra HD LED TV enhances everything you watch today with impeccably crisp detail and image clarity never before seen in a 4K (3840 x 2160) display.

#### AQUOMOTION™ 240

See sharper, more electrifying action. The native 120Hz panel plus AquoMotion™ 240 backlight scanning technology multiplies the effective refresh rate to deliver images that are crystal clear, even during fast-motion scenes.

### SMART

---

#### SMARTCENTRAL™

The AQUOS® 4K Ultra HD LED TV lets you connect to your favorite content instantly with Sharp®'s easy-to-use SmartCentral™ Smart TV Platform. Working through built-in Wi-Fi, SmartCentral™ streams movies and shows from Netflix, Hulu Plus, and VUDU®, videos from YouTube, and music through Pandora® and Rhapsody®\*. Plus, built-in social apps like Facebook and Skype™\*\* mean you connect with friends on your large-screen 4K Ultra HD LED TV for amazingly realistic interactions.

Surf the web with Sharp's built-in flash-enabled web browser. Or watch TV and browse the web at the same time with SmartCentral™'s exclusive split-screen experience.

#### 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

From instant access to movies with Netflix†, to videos with YouTube®, music with Pandora® and Rhapsody®, social sites like Facebook and Twitter, video and voice calls with Skype™\*\*, 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.

#### REMOTE CONTROL AND BEAM APPS

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. Beam 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.

#### 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.

#### 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.

#### AUTOMATIC SOFTWARE UPDATES

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

### DESIGN

---

#### A HIGHER STANDARD OF DESIGN

The AQUOS® 4K Ultra HD LED TV's sleek frame, with metallic black finish and arc stand, features an ingenious speakers-in-front design. You enjoy robust sound with a narrower footprint.

#### WALLPAPER MODE

Turn it off, and the TV still looks beautiful. Wallpaper Mode works on extremely low power to turn the AQUOS® 4K Ultra HD LED TV into an elegant 4K (3840 x 2160) picture frame. View pre-installed artwork or your own photos with museum-like appearance and stunning detail.

### SOUND

---

#### DUOBASS AUDIO SYSTEM WITH FRONT-FACING SPEAKERS

Your ears will love the AQUOS® 4K Ultra HD LED TV, too. Its 6-speaker sound system—including separate mid-range and tweeters—along with Sharp's proprietary DuoBass dual subwoofer system delivers a powerful 35 watts with clear voices, broad dynamic range, and deep bass.

\*Available internet connection required.

\*\*FREETALK® TV Camera sold separately.

†Additional fees and/or subscriptions may apply.



# LC-70UD1U

70" CLASS (69.5" DIAGONAL) LED TV

## SHARP TECHNOLOGY OVERVIEW (CONT.)

### CONNECTIONS

---

#### 4K PHOTO PLAYBACK

4K (3840 × 2160) Photo Playback via a built-in SD card reader and two USB ports means that for the first time, you can see the full resolution and detail captured in your 8MP photos. With four times the pixel resolution the AQUOS® 4K Ultra HD LED TV lets you see more details than ever before.

#### 4 HDMI WITH NATIVE 4K INPUT

Connect all your favorite gear—Blu-ray™ players, gaming consoles, streaming players, and more via four HDMI inputs that can accept native 4K (3840 × 2160) signals. With all these connection options, your Ultra HD LED TV can expand along with tomorrow's sources.

### 3D

---

#### ACTIVE 3D + 2 PAIRS OF 3D GLASSES

Sharp's Active 3D technology brings you twice the detail of passive 3D so every scene comes alive for an intensely immersive experience. Two pairs of Bluetooth 3D glasses are included in the box.

#### 2D/3D SWITCH

With Sharp 3D glasses, you can switch from 3D to 2D anytime you want—without affecting anyone else in the room. With Sharp 3D, everyone gets what they like.