

SHARP Changes the World with 8K Technology

Here are Sharp, we will leverage our “8K Ecosystem” strategy while cooperating with other companies to develop and disseminate 8K according to each company’s strengths.

We aim to collaborate with a wide variety of partners to create a series of value chains ranging from video creation and processing to distribution and displays. We will also aim to create major innovations in various sectors such as broadcasting, healthcare, security, education, examination systems, and infrastructure maintenance.

In this manner, 8K technology is being applied in a wide variety of sectors other than broadcasting, and Sharp’s displays are being used at the forefront of these new and exciting ventures.



Specifications

AQUOS 8K TV			8T-C80AX1X	8T-C70AX1X	8T-C60AX1X
Screen Size (Diagonal)			80"	70"	60"
Display	Resolution		7680 x 432 (8K IGZO)	7,680 x 4,320 (8K)	
	Panel Frequency			120Hz	
	Digital Tuner			DVB-T2	
	HDR			Yes (HDR 10)	
	Upconverter			8K A1 REVELATION ENGINE	
	Noise Reduction			Yes	
	Local Dimming / OPC			Yes, Optical Picture Control	
Audio	Output (Subwoofer)		10W x 4 (15W x 2)		10W x 4 (15W x 1)
	Eilex PRISM			Yes	
	Decoder			Dolby Audio	
Smart	Platform			Android TV ORiO	
	Voice Recognition			Voice Search	
	App Store			Google Play	
	Web Browser			Yes (Download Apps)	
Connectivity	Smartphone Connectivity			Chromecast built-in	
	Bluetooth			GATT/HID	
	Wireless LAN			Yes	
	Ethernet LAN			Yes	
	HDMI			6 (4K x 5 + 8K x 1)	
	USB			2	
	Digital Audio Output			1	
	OPC (Optical Picture Control)			Yes	
	Dimensions	without stand (mm) (WxHxD)		1809 x 1048 x 110	1562 x 916 x 103
with stand (mm) (WxHxD)		1889 x 1491 x 643	1562 x 993 x 440	1354 x 874 x 440	
Net Weight	without stand (kg)		55	41	30.5
	with stand (kg)		60.5	49	38.5
Power Consumption			775 W	511 W	481 W
DOLBY ATMOS SOUNDBAR			8A-C31AX1		
Total Output			450W (Soundbar 250W, Subwoofer 200W)		
Connectivity	Audio Input	Digital	HDMI x 1, Optical in X1		
		Analogue	Stereo mini jack x1		
	Audio Output		HDMI (eARC) x 1		
		Wireless		Bluetooth 2.1, EDR A2DP, AVRCP	
Dimensions	Sound bar (mm) (WxHxD)		1200 x 60 x 140		
	Subwoofer (mm) (WxHxD)		261 x 337 x 261		
Net Weight	Sound bar (kg)		5.0		
	Subwoofer (kg)		7.2		
Power Consumption (Standby)	Sound bar		48W (0.4W)		
	Subwoofer		33W (0.4W)		

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SHARP AQUOS

SHARP ELECTRONICS (MALAYSIA) SDN. BHD.

(356997-H)

No. 1A, Persiaran Kuala Langat, Section 27, 40400 Shah Alam, Selangor Darul Ehsan, Malaysia

Product Enquiry: 1800 2 AQUOS (27867) TOLL FREE

F : +603 5102 5370 E : productinfo@my.sharp-world.com

Corporate Sales Enquiry:

T : +603 5102 5267 F : +603 5102 5370 E : B2B@my.sharp-world.com

Service Enquiry: 1800 888 678 (TOLL FREE) 8.30am-5.30pm Mon-Fri

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SHARP

Be Original.



AQUOS 8K

Make Your Resolution A Reality





Our Achievement



**SID
Display of the Year**
For 70-inch 8K LCD TV
(8K Display for Japan, China)



**CEATEC AWARD 2018
Grand Prix**
8T-C80/70/60AX1
(Japan model)



**TV Technology
NAB Best of Show Award**
For 8K Camcorder &
70X500X
(8K Display for Europe)



**digital VIDEO
NAB Best of Show Award**
For 8K Camcorder &
70X500X
(8K Display for Europe)

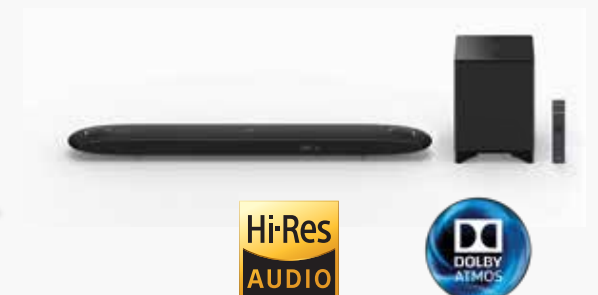
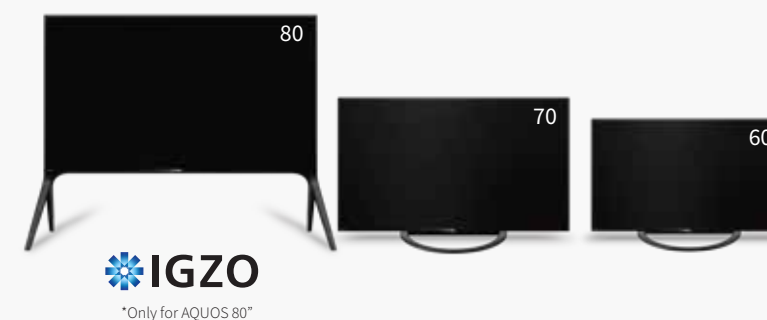


**SOUND & VIDEO
CONTRACTOR
NAB Best of Show Award**
For 70X500X
(8K Display for Europe)

AQUOS 8K

AX1

AQUOS AUDIO



Astonishing realism made possible with AQUOS 8K

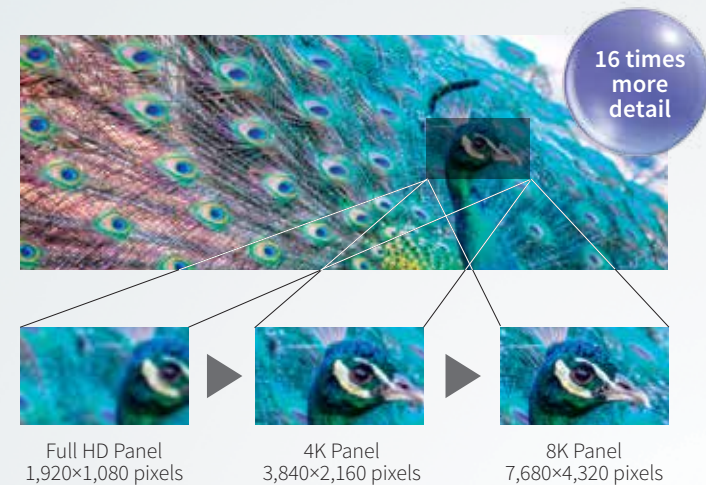
AQUOS' highest image quality yet, with IGZO technology.

Newly developed 8K liquid crystal display with 8K 120Hz panel, high brightness, and a wide

Real 8K Resolution with IGZO^{*1} 33 mil pixels, 16 times more resolution^{*2}

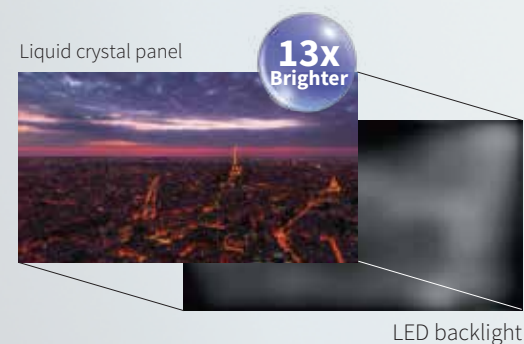
This new display can precisely reproduce images like never before, making it seem as if the objects on screen are actually right before your eyes. At a blazing speed of 120 Hz, outputting a tremendous amount of data consisting of 120 images, each around 33 million pixels, per second.

IGZO panel enables unprecedented and reality sense of resolution.



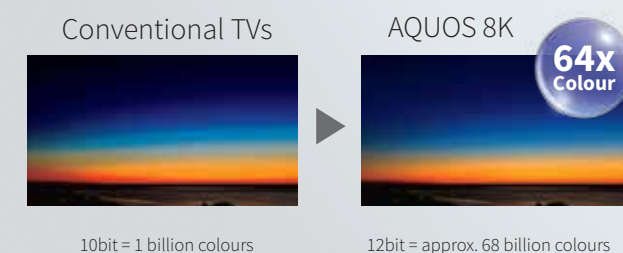
Real 8K Contrast 13 times brighter luminance^{*3}

The high-transmittance liquid crystal technology creates highly dense and rich 8K images that are bright and vibrant. In addition, high-brightness HDR (high dynamic range) technology is employed to display vivid and more lifelike images, which is achieved through brightness reconstruction technology that automatically analyzes video signals and detects the brightness composition of images, such as sources of light and reflections, to control specific LED backlighting. This allows the technology to reconstruct brightness 13 times better^{*1} than conventional models, creating beautiful light in images.



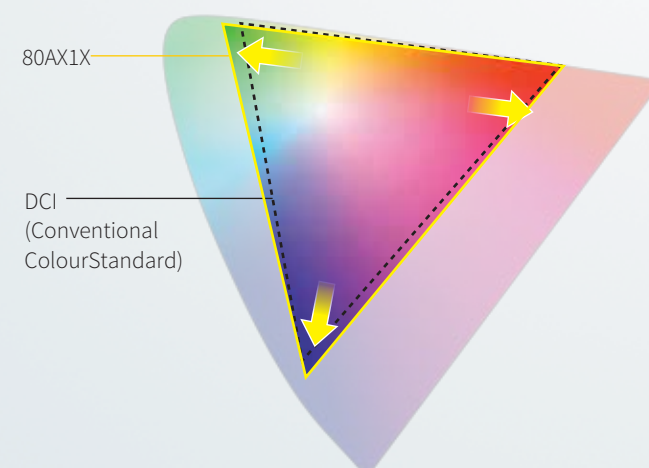
8K 12-bit processing

Uses smooth gradation to display changes in colour and brightness, allowing for more natural image expression.



Real 8K Colour 138% wide colour^{*3}

Combines an optimal balance between newly developed wide colour gamut colour filters and phosphors to richly reproduce a wide colour gamut that's 138%^{*2} compared with conventional models. Displays more realistic colour reproduction by making colours more translucent and creating a greater feeling of depth in images.



AQUOS 8K

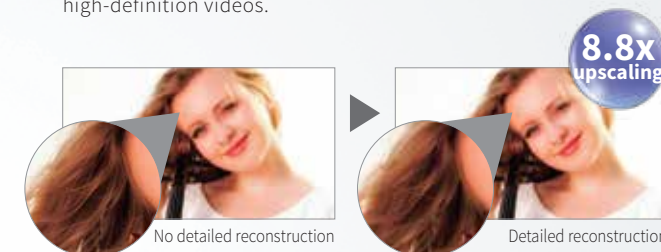
Upscales 2K and 4K video content in real-time to high-resolution 8K.

Sharp has newly developed an image processing engine that uses ultra-small semiconductor process technology to achieve 8.8 times^{*3} more processing power than conventional models. This technology is used to not only deliver large capacity 8K video at 120 Hz (twice the speed of conventional full HD) in real-time, but also upscale various content, such as television broadcasts and 2K/Ultra HD Blu-ray content, to high-resolution 8K video. Experience video content like never before.



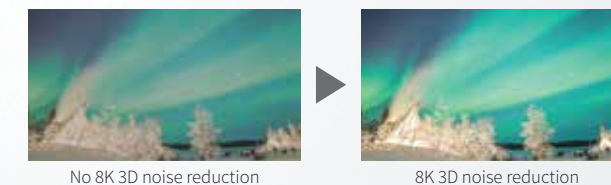
8K upscaling with detailed reconstruction

Analyzes low resolution videos and signals, predicts minute details in original objects, and reconstructs minute information to upscale images to 8K resolution, resulting in clear, high-definition videos.



8K 3D noise reduction

Analyzes the components of video signal noise and performs dynamic noise reduction processing according to the video's characteristics to create clear and natural images with both reduced noise and accurate reconstruction.



8K double-speed (120 Hz) interpolation display

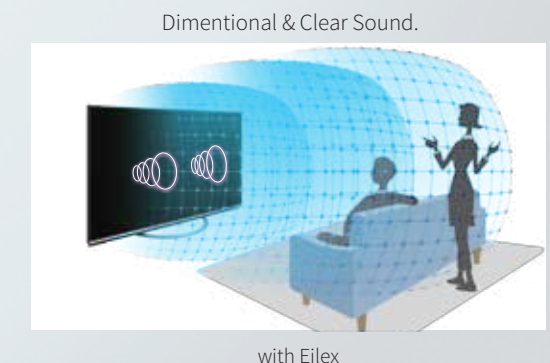
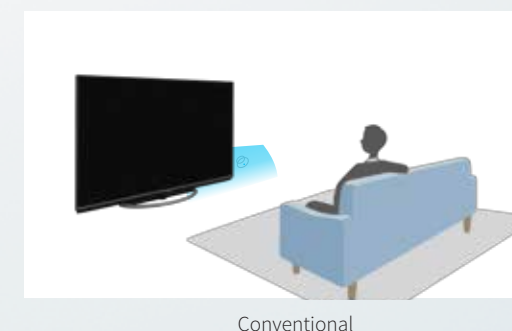
Equipped with high-speed arithmetic processing circuits that process extremely large amounts of data (32 times^{*4} more data than full HD) in real-time. This technology analyzes highly dense 8K video content, detects the movements of subjects on screen, and forms and interpolates intermediate 8K images to create smooth, realistic-looking, high-resolution videos.



Equipped with Eilex Prism™ which delivers powerful sound and increases the sweet spot range

Eilex utilizes a sophisticated algorithm to calculate techniques to deliver powerful sound from the center of the screen. This technology allows users to clearly hear the sound of each musical instrument on screen.

eilex
PRISM



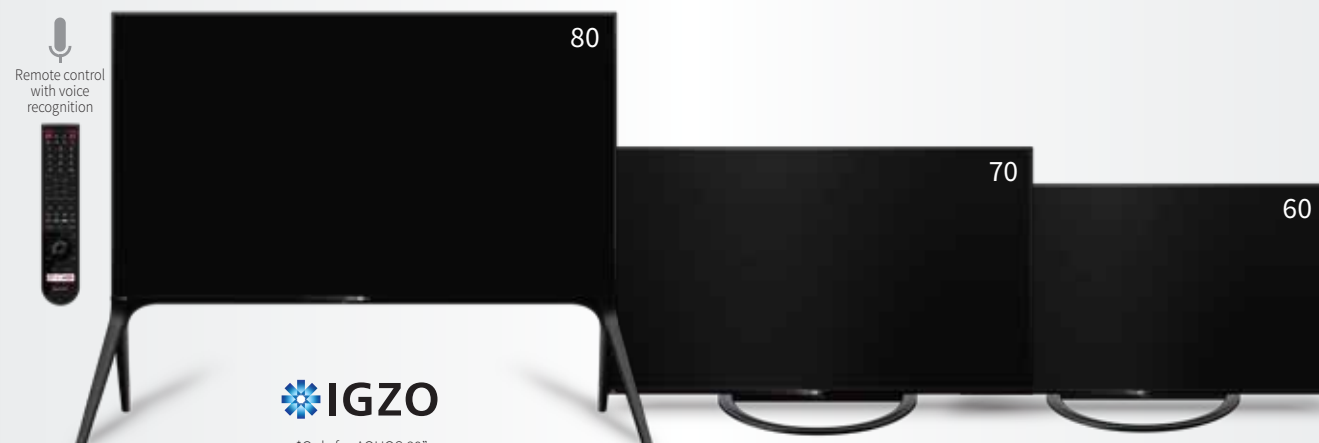
AX Series

8K120Hz Panel and 8K high quality video engine allows AQUOS to deliver its best image quality to date.

AQUOS 8K

androidtv

Remote control with voice recognition



IGZO
*Only for AQUOS 80"

80 inch 8T-C80AX1X | 70 inch 8T-C70AX1X | 60 inch 8T-C60AX1X

DESIGN BY JAPAN WITH MADE IN JAPAN PANEL



Comes equipped with the latest Android TV™, delivering top-grade smart features with supreme image quality.



Android Gaming on the Big Screen

Whether you explore alone or compete online to earn achievements, Android TV offers a new way to play Android games on your TV.



Voice Control

Use Voice Search and Android TV will find "The Sopranos" for on-demand episodes, behind-the-scenes YouTube videos, and full seasons on Google Play. Or for date night, try "romantic comedies" or "Hugh Grant movies."



SHARP TV with Chromecast built-in

Chromecast built-in is a platform that lets you stream your favorite entertainment from your phone, tablet or laptop right to your TV. Easily control your TV with apps you already know and love from your iPhone®, iPad®, Android phone or tablet, Mac® or Windows® laptop, or Chromebook.

AQUOS AUDIO

Enjoy realistic-sounding acoustics in your living room.
Sound Bar Home Theater System that envelopes your entire body with sound

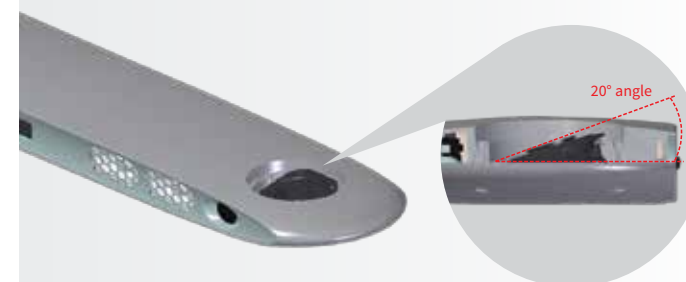


8A-C31AX1

True DOLBY ATMOS
Recreate three-dimensional sound in your living room

DOLBY ATMOS is an acoustic system that was developed for theaters. Up until now, sound has only been reproduced horizontally, but DOLBY ATMOS also reproduces vertical sound sources, enabling it to express sound in a three-dimensional space so users can accurately hear horizontal and vertical movements.

This reflects sound off the ceiling to reproduce a three-dimensional experience as if sound was coming from above.



Designed around high sound quality

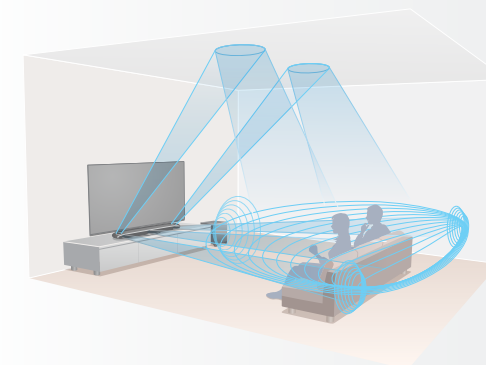
The speaker stand employs a spiked structure that allows it to produce the clearest and most beautiful sound. Particular attention has been given to delivering high-quality sound, such as the use of high-density brass materials to prevent noise caused by vibrations.



HDMI (eARC) support & optical input

Up-mix signal processing lets you enjoy the three-dimensional sound of 2ch and 5.1ch signals.

Conventional input sources can now be enjoyed with greater three-dimensionality. It analyzes frequency of original source to distinguish between environmental sounds and reverberated components. It also achieves stereophonic sound by outputting vertical sound from its enabled speakers and wireless subwoofer.



Supports Hi-resolution audio

Can play hi-resolution audio (WAV, FLAC) by reading memory from USB sticks, etc. connected to its USB port.

● Music playback is also possible through Bluetooth® via smartphone.