



AQUOS®
LED



QuadPixel Technology



ultra
BRILLIANT
LED

X-GEN
PANEL

Fine Motion Enhanced

120Hz
Frame Rate Conversion

FULL
HD 1080P

With the introduction of the LE820 Series, Sharp once again establishes its leadership in LCD and LED technology. In a monumental engineering breakthrough, Sharp's proprietary QuadPixel Technology, a 4-color filter that adds yellow to the traditional RGB, enables more than a trillion colors to be displayed for the first time. A stunning new contemporary edge-light design with full-front glass proudly announces a new AQUOS direction for 2010. The proprietary AQUOS LED system comprised of the X-Gen LCD panel and UltraBrilliant LEDs enables an incredible dynamic contrast ratio of 5,000,000:1 and picture quality that is second to none. The LE820 series is very fully featured, including the addition of Netflix™ streaming video capability through the AQUOS Net™ service, along with the industry's leading online support system, AQUOS Advantage Live. A built in media player allows for playback of music and photos via USB port.

Features:

QuadPixel Technology 4-Color Filter adds yellow to the traditional RGB sub-pixel components, enabling the display of more than a trillion colors.

Full HD 1080p (1920 x 1080) Resolution for the sharpest picture possible.

UltraBrilliant LED System includes a "double-dome" light amplifier lens and multi-fluorescents, enabling high brightness and color purity.

Full HD 1080p X-Gen LCD Panel with 10-bit processing is designed with advanced pixel control to minimize light leakage and wider aperture to let more light through.

120Hz Fine Motion Enhanced for fast-motion picture quality.

Wide Viewing Angles (176°H x 176°W) Sharp's AQUOS® LCD TVs' viewing angles are so wide, you can view the TV clearly from practically anywhere in the room.

High Brightness (450 cd/m²) AQUOS LCD TVs are very bright. You can put them virtually anywhere – even near windows, doors or other light sources – and the picture is still vivid.

AQUOS Net delivers streaming video with Netflix™, customized Internet content and live customer support via Ethernet, viewable in widget, full-screen or split-screen mode.

USB Media Player adds the convenience of viewing high-resolution photos and music on the TV.

Specifications

Models	LC-60LE820UN	LC-52LE820UN	LC-46LE820UN	LC-40LE820UN
Screen Size	60" Class (60-1/32" Diagonal)	52" Class (52-1/32" Diagonal)	46" Class (45-63/64" Diagonal)	40" Class (40" Diagonal)
Panel Type	X-Gen LCD Panel			
Pixel Resolution	1920 x 1080			
Brightness	450 cd/m ²			
Back-Light System	Edge-Light LED			
Viewing Angle	176°H / 176°V			
Audio System	10W + 10W + 15W (Subwoofer)			
Tuning System	ATSC / QAM / NTSC			
Dynamic Contrast Ratio	5,000,000:1			
Aspect Ratio	16:9			
Response Time	4ms			
HDMI® Input	4 (24p, x.v.Color, Deep Color)			
HD Component Input	1			
PC Input	15-pin D-Sub x 1			
S-Video Input	1			
Composite Video Input (A/V)	1			
RS-232C	9-pin x 1			
Audio Inputs (L/R)	2			
Cabinet Color	Black			
Table Stand	Included			
VESA Mounting Pattern	400mm			300mm
Power Consumption AC (On mode* ¹)	230W (108W)	170W (96W)	160W (85W)	140W (73W)
Power Source	120V, 60 Hz			
ENERGY STAR® Qualified* ²	Yes (v 5.0)			
Limited Warranty* ³	1 year parts and labor from date of purchase			
TV Dimensions (wxhxd) (inches)				
TV with Stand and Speakers	56-39/64 x 38-11/32 x 14-31/64	49-9/16 x 33-29/32 x 13-3/8	44-19/64 x 30-55/64 x 13-3/8	39-1/16 x 27-25/32 x 10-13/16
TV with Speakers only	56-39/64 x 35-29/32 x 1-37/64	49-9/16 x 31-7/8 x 1-37/64	44-19/64 x 28-55/64 x 1-37/64	39-1/16 x 25-29/32 x 1-37/64
Net Weight (in pounds)				
TV with Stand and Speakers	112.4	77.2	66.1	51.8
TV with Speakers only	89.3	66.1	54.0	43.0
UPC	074000372542	074000372559	074000372566	074000372573

*¹ With Power Saving Mode on.

*² As an ENERGY STAR® partner, Sharp has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

*³ See warranty statement included in the product operation manual or as a PDF download at www.sharpusa.com.

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Product specifications and design are subject to change without notice.



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