



AQUOS®
LED



QuadPixel Technology



Fine Motion Enhanced

120Hz
Frame Rate Conversion



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 sub-pixel components, 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/m²			
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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