SHARP / NEC

Sharp 8M-B120C

LCD 120” 8K Professional Display

Datasheet





Life-size images. Life-like quality. Making a real difference.

Showcase products and highlight every little detail like never before.The 120” 8M-B120C is the largest Sharp 8K UV²A LCD electronic display for professional use. At the very leading edge of the pro-display market, it allows commercial, manufacturing, financial, media, medical and government organisations to deliver the ultimate in image precision and clarity.

It produces beautiful, largescale images with a stunning 8K resolution, setting a new benchmark for image quality, while also ensuring that fine text is precise and legible. Images are displayed large enough to accommodate big objects, up to 265cm wide, making it possible to showcase things like a life-size, striking new motorcycle model in lifelike 8K resolution with HDR (HLG/PG) expanded contrast and colour.

Benefits

See everything much more clearer – with its huge 4 m² LCD panel the 8M-B120C can display the equivalent of 4x 60” 4K or 16x 30” Full-HD images on a single display.

A more immersive experience – with 600 cd/m² brightness (or up to 1000 cd/m² Peak Level) and HDR (High Dynamic Range technology) colours look incredibly realistic.

Easy connection – always pure 8K content via a single 8K HDMI cable.

High performance, low cost – fewer displays are required to show same amount of content without sacrificing image quality.

Designed to perform – compatible with the Daniel2 code for 8K.

Product Information

Product Name	Sharp 8M-B120C
Product Group	LCD 120" 8K Professional Display
Order Code	60005544

Display

Panel Technology	UV² A with direct LED backlight
Active Screen Area (W x H) [mm]	2,693.28 x 1,530.72
Screen Size [inch/cm]	120 / 304.8
Aspect Ratio	16:9
Local Dimming	2048 zone
Pixel Pitch [mm]	0.346 x 0.346
Brightness [cd/m²]	1000 Peak Brighntess (HDR); 600
Contrast Ratio (typ.)	4000:1; Dynamic: 1000000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Colour Depth [bn]	1.073 (10bit)
Colour Gamut	BT2020 80 %
HDR	HLG; PQ
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	120
Haze Level [%]	Standard (3)
Supported Orientation	Landscape

Resolution

Native Resolution	7680 x 4320			
Supported Resolutions	1024 x 768; 1280 x 1024; 1280 x 720; 1280 x 800;	1280 x 960; 1360 x 768; 1400 x 1050; 1440 x 900;	1680 x 1050; 1920 x 1080; 3840 x 2160; 4096 x 2160;	640 x 480; 800 x 600; 848 x 480

Connectivity

Input Video Analogue	1 x D-sub 15 pin
Input Video Digital	HDMI Input 1 / HDMI2.0, HDCP2.2, 4K60P, YCbCr 4:4:4; HDMI Input 2 / HDMI2.0, HDCP2.2, 4K60P, YCbCr 4:2:0, ARC; HDMI Input 3 / HDMI2.0, HDCP2.2, 4K60P, YCbCr 4:2:0; HDMI Input 4 / HDMI2.0, HDCP2.2, 4K60P, YCbCr 4:2:0; HDMI Input 7 / 4x HDMI2.0, 4K60P (8K), HDR, YCbCr 4:4:4; HDMI Input 8 / HDMI2.1, HDCP2.2, 8K60P, HDR, YCbCr 4:2:0 / 4:4:4
Input Audio Analogue	1 x 3,5 mm jack
Input Audio Digital	5 x HDMI
Input Control	LAN 100Mbit
Input Data	1 x USB A (3.0); 1 x USB Medaplayer
Output Audio Analogue	3,5mm jack
Output Audio Digital	1 x SPDIF

Electrical

Power Consumption Eco/max. [W]	1520 (max.)
Power Savings Mode [W]	< 0.5; < 2 (Networked Standby)
Power Supply	100-240 V AC; 50/60 Hz; internal

Environmental Conditions

Operating Temperature [°C]	+0 to +40
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 90
Storage Temperature [°C]	-20 to 60

Mechanical

Dimensions (W x H x D) [mm]	Without stand: 2,717 x 1,566 x 173
Weight [kg]	Without stand: 187
Bezel Width [mm]	27 (bottom); 27 (left and right); 27 (top)
VESA Mounting [mm]	6 holes; 800 x 400 (FDMI); 800 x 800 (FDMI); M8
Packaging Dimensions (W x H x D) [mm]	2,940 x 1,870 x 973
Packaging Weight [kg]	380

Available Options

Accessories	2x Eye Bolts; Wall Mount Holder

Green Features

Energy Efficiency	Energy consumption: 1300 kWh/1000 h; Energy efficiency class: G; LED backlight

Additional Features

Special Characteristics	ASCII Control Commands; CEC Support; USB Media Player
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	CE; EAC; RoHS
Audio	Integrated Speaker (built-in Subwoofer: 15 W); Integrated Speakers (4 x 10 W)
Shipping Content	2x AAA batteries; Display; Power Cable; Remote Control; Setup Manual; Wall Mount
Warranty	3 years warranty incl. backlight; on-site service
Operating Hours	16/7
External Control	ASCII Control Commands; HDMI CEC



RoHS


CE

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