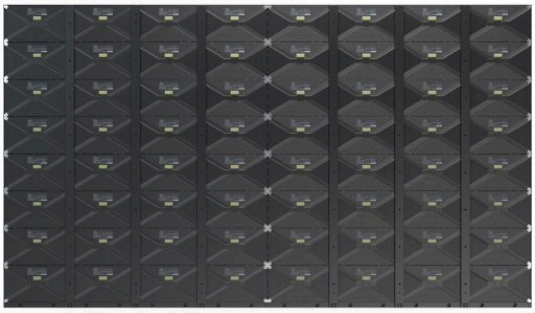
SHARP / NEC

Sharp LD-E121-217

Indoor LED 1.2 mm 217" UHD Bundle

Datasheet



High Impact. Streamlined Value

Bring the brilliance of fine-pitch LED to value-driven environments, without compromising on performance. Purpose-built for corporate meeting rooms and digital signage, the Sharp E Series delivers vivid content clarity and brightness for excellent visibility.

Available in standard-size bundles, it includes all the components needed for seamless integration of large format displays, free from distracting bezels. The slim, lightweight design supports easy installation, either wall-mounted or free-standing, while front access to all components simplifies maintenance. A durable metal chassis ensures long-term reliability, in line with Sharp’s reputation for engineering quality.

An SoC-based controller enables wireless content sharing and seamless connectivity with external devices. Whether presenting or collaborating, the E Series supports intuitive operation and minimal setup.

Designed to meet the demands of modern visual communication, the E Series combines professional-grade performance with streamlined deployment, bringing high-impact LED to a broader range of applications.

Benefits

Low-profile integration – the super slim and light weight modules align with perfection to create a large digital canvas which integrates unobtrusively into any environment.

Front serviceable modules – with front access to the LED modules, maintenance is easy.

Slim design – with a flush rear profile, LED modules can be integrated very close to the wall with minimal gap necessary due to very low heat emission.

Care-free installation – with bundled solutions that deliver all you need to get your LED video wall up and running.

Product Information

Product Name	Sharp LD-E121-217
Product Group	Indoor LED 1.2 mm 217" UHD Bundle
Order Code	81000830 (With Powerbar), 81000957 (No Powerbar)

Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (1010)
Screen Size [inch/cm]	217 / 551.18
Aspect Ratio	16:9
Pixel Pitch [mm]	1.2
Brightness (max.) [cd/m²]	600
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	170 horizontal / 160 vertical
Dimming Capability	256 levels
Colour Processing	16 bit
Colours [Trill.]	281 trillion
LED Driving Method	1/45 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

Screen Resolution

Resolution	3840 x 2160
Resolution per m²	640000
Number of Pixel per module [dot]	480 x 270
Number of Pixel per card [dot]	120 x 270

Connectivity

Input Video Digital	1 x 3G SDI; 1 x DVI-D; 1 x HDMI
Input Control	1 x GenLock; 1 x LAN

Electrical

Total Power Consumption [W]	3776 typ. / 8000 max.

Power Consumption typ. [W]	291 per m² (normal use)
Power Consumption max. [W]	617 per m²
Power Consumption typ. [BTU]	991 per m² (normal use)
Power Consumption max. [BTU]	2099 per m²

Environmental Conditions

Operating Temperature [°C]	-20 to 40
Operating Humidity [%]	10 to 80

Mechanical

Dimensions (W x H x D) [mm] per module	600 x 337.5 x 29
Dimensions (W x H x D) [mm]	4,812 x 2,712 x 50 without powerbar; 4,812 x 2,756 x 50 incl. powerbar
Weight [kg]	376; 388.3 without powerbar

Additional Features

Shipping Content	1x LED Controller; LED Modules (64 Cabinets, 256 Pixel Cards); Overframe Kit (8x8); Pixel Card Removal Tool; Powerbar (depending on version); Spare Parts Kit; Wall mount (8x8)
Special Characteristics	Flush Surface SMD Design; Single Data Receiving Cards; Single Power Supplies
Manufacturer	SHARP
Serviceability	Front Service
IP Level	IP20
Certifications	CE; ETL; FCC Class A; RoHS
Warranty	2 years
Material	Aluminum Cabinet

* 217 inch

CE FCC Class A RoHS

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