

Make: SEGi LED
Model: SP4X0

Construction And Performance

Material of the System	Die Cast Aluminium
LED Configuration	SMD 3 in 1 Full Color
Maximum Pixel Pitch (mm)	4
Pixel Density (Pixels/m²)	62500
Length of LED Display (ft)	25
Height of LED Display (ft)	10
Horizontal Viewing Angle (degree)	160
Vertical Viewing Angle (degree)	160
Optimal Viewing Distance (meter)	≥ 4
Refresh Rate (Hz)	3840
Response Time (milliseconds)	8
Frame Frequency (Hz)	50 – 60
Brightness (Nits)	6000
Dimming Capability (Levels)	0-255
Color Temperature (K)	3500-10000
Contrast Ratio	5000:1
Calibration	Dot Correction
Uniformity of Brightness across the Screen	99
Gray Scale Processing (Bit)	14

Colors (Trillion)	4.4
Life of Light Source (Hours)	100000
Dimming Capability	256 levels
Power Consumption (W/m2)	600
Availability of Receiving Card	Yes
Fanless Design	Yes
Mean Time Between Failure (MTBF) (Hrs)	>10000
IP Rating	IP66
Duty Cycle	24x7
Maintenance	Rear
Power Supply	100-240 V AC, 50 Hz
Certification	BIS, CE, FCC, ROHS, UL, REACH, ISO, CB, EMC, etc.
Controller (Make: SEGi LED & Model: SXY2)	Control Ports: • RJ45 LAN x1 • USB x1 Signal Input: • HDMI x1 Signal Output: • RJ45 LAN x4 Loading Capacity: 2.6 million pixels
Work Station	Processor- Intel R Core i7 -14700 processor or higher/AMD Ryzen 7 8700G or higher, RAM-32 GB or higher, NVME SSD 1TB or higher, Preloaded OS Windows 11 Pro with 5 years warranty and support including all accessories
Sensor (Make: SEGi LED & Model: Auto Brightness Sensor)	• Rated Voltage: 5V • Operating temperature: -30° C to 70° C • Operating humidity: 0~99% • Brightness Range: 1~65535 lux

	• Outdoor use proofing • Monitor the ambient brightness to achieve automatic brightness adjustment of LED display • Asynchronous • No external power supply needed • Cable for screen protection
PDU (Make: SEGi LED & Model: PDU)	• Front Door :2 Hinges with Rack • Wall Mount Clamp: Welded on Rack frame rear side • 19" pillar front & 19" pillar rear: Bolted on rack side wall • Locking Arrangement: Yes • Limit Switch: Yes • Earthing: Yes • Cable points: Yes entry & exit points • Mounting: Should be possible to mount the rack either on a pole or on a wall with options of different mounting types • Material: GI 120 gsm thickness 1.5 mm • IP rating: IP55 • AC input: 220-240VAC • Nominal Input Voltage: 100–120 VAC • Input Frequency: 50–60 Hz • AC Power Load Max: As per LED power requirement • Surge protection: Class C • Over temperature protection: Yes • Refrigerant: Yes • Anti-Theft: Yes • Surface treatment: Outdoor type power coating • Cooling Capacity: 600W@L35/L35 • Power Consumption: Maximum 270W@L35/L35 • Internal Airflow: 150 m³/h • Noise Level: 65 dB(A)s • Remote Control: Should be possible to control the power distribution unit from the Central Control Center over IP • Display Panel: show parameters like cabinet temperature, indications for -

	cooling, running of external fans, flashing on alarm
Standard Accessories	All accessories, connectors, All necessary parts for proper functionality (user manual, MCB, LAN cables, power cables, HDMI cable, convertors, etc.), Standard Accessories, etc.

Generic

Minimum Operating Temperature (degree C)	-20
Maximum Operating Temperature (degree C)	60
Minimum Operating Humidity (%RH)	10
Maximum Operating Humidity (%RH)	90
LED Video Wall inclusive of supply, installation, configuration, testing, integration, commissioning & training	Yes
Warranty (Years)	02