REM 1 SQ

A high-resolution 1.9mm pitch indoor video wall solution featuring integrated curving capabilities, an expanded DCI-P3 color gamut, and high-performance processing for exceptional visual quality.

Perfect for high-impact applications such as exhibits, houses of worship, corporate installations, and other indoor events that demand superior image fidelity and low latency.

- Delivers a calibrated 800 NITS brightness with a wide 140-degree viewing angle.
- Features black body LEDs and 22-bit+ grayscale for exceptional color depth and contrast.
- Powered by high-performance drivers for a smooth 3,840 Hz flicker-free refresh rate.
- Houses hot-swappable magnetic LED modules for fast, tool-free service and maintenance.
- Offers versatile rigging options including overhead hanging, ground stacking, and wall mounting.
- Built with corner protectors and an anti-reflective mask for enhanced durability and viewing.

SPECIFICATIONS

Optical

Light Source: 65,536 LEDs (tri-color RGB) SMD 1212, 50,000 hours life expectancy

Color Wavelength: red (620 to 625 nm), green (510 to 535 nm), blue (458 to 475 nm)

LED Color Space: DCI-P3

Viewing Angle (H/V): 140°/140°

Calibrated Illuminance: 800 NITS

Maximum Illuminance: >1,000 NITS

Contrast Ratio: T.B.D.:1

Grayscale: 22-bit+

Receiver Card: A10s Pro

Drive Type: (scan mode) : 1/32

Pixels: 256 x 256

Pixel Pitch: 1.9 mm

Minimum Viewing Distance: 7.5 ft (2.3 m)

Pixel Density: 262,144/m2

Display Refresh Rate: 3,840 Hz (S-PWM)

Connections

Power Connection: Edison (local) plug to Seetronic® powerKON®

Power Input: Seetronic® powerKON®

Power Output: Seetronic® powerKON®

Data Connectors: Seetronic® etherKON®

Cable Length (signal extension): 5 ft (1.5 m)

Cable Length (power): 5 ft (1.5 m)

Cable Length (power extension): 6.56 ft (2.0 m)

Construction / Physical

Dimensions: 19.69 x xxx x 39.37 in (500 x xxx x 500 mm)

Weight: 18.2 lb (8.26 kg)

Threaded Bolt: M10, 1.5

Exterior Color: Black

Housing Material: Aluminum ADC12

LED Module Material: Glass filled polycarbonate

Maximum vertical hang: 11 panels

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Control

Control Protocol: Novastar Coex VMP

Panel Resolution (L x H): 256 x 256

Maximum Panels / Novastar MX40 Pro (20 ports):

HDR off, 24 Hz — 8-bit: 25/port, up to 500/Processor/Sender
HDR off, 24 Hz — 10-bit: 18/port, up to 360/Processor/Sender
HDR off, 24 Hz — 12-bit: 12/port, up to 240/Processor/Sender
HDR off, 30 Hz — 8-bit: 20/port, up to 400/Processor/Sender
HDR off, 30 Hz — 10-bit: 15/port, up to 300/Processor/Sender
HDR off, 30 Hz — 12-bit: 10/port, up to 200/Processor/Sender
HDR off, 60 Hz — 8-bit: 10/port, up to 200/Processor/Sender
HDR off, 60 Hz — 10-bit: 7/port, up to 140/Processor/Sender
HDR off, 60 Hz — 12-bit: 5/port, up to 100/Processor/Sender
HDR off, 120 Hz — 8-bit: 5/port, up to 100/Processor/Sender
HDR off, 120 Hz — 10-bit: 3/port, up to 60/Processor/Sender
HDR off, 120 Hz — 12-bit: 2/port, up to 40/Processor/Sender
HDR off, 144 Hz — 8-bit: 4/port, up to 80/Processor/Sender
HDR off, 144 Hz — 10-bit: 3/port, up to 60/Processor/Sender
HDR off, 144 Hz — 12-bit: 2/port, up to 40/Processor/Sender

Maximum Panels Tall / Novastar MX40 Pro:

1080 height: 4
1344 height: 5
1680 height: 6
2160 height: 8

Maximum Panels Wide / Novastar MX40 Pro:

1920 width: 7
3840 width: 15
8192 width: 32

Electrical

Input Voltage: 100 to 240 VAC, 50/60 Hz (auto-ranging)

Power Linking: 15 units @ 120 V; 25 units @ 208 V; 28 units @ 230 V

Power and Current: 120 W, 1.0 A @ 120 V, 60 Hz

Power and Current: 120 W, 0.57 A @ 208 V, 60 Hz

Power and Current: 120 W, 0.52 A @ 230 V, 50 Hz

Certifications / Qualifications

Certifications: CE, MET, FCC

MET Listing Number: E113093-1110, E113093-1125

US Safety: UL 60950-1

Canadian Safety: CSA C22.2 No. 60950-1

IP Rating: IP30, dry location

Thermal Dissipation @ 120V: 409 BTU per hour

Thermal Dissipation @ 208V: 409 BTU per hour

Thermal Dissipation @ 230V: 409 BTU per hour

Operating Temperature: -4 °F to 122 °F (-20 °C to 50 °C)

Required Accessories

Required Software: Nova VMP
Controller (required): Novastar MX40 Pro
Compatible Mounting Options: REM Rig Bar (0.5 m, 1 m lengths offered), M10 bolt/clamp (rear or surface mounting), GROUNDSTACKKIT (floor mounting/stacking)

Optional Accessories

Clamps
Neutrik powerKON cables
Neutrik etherCON cables
REM-RB100CMIP
REM-RB50CMIP
GROUNDSTACKKIT
MT07 Universal Module Removal Tool

What's Included

8 REM1SQ
1 Seetronic® powerKON® power cord
8 Seetronic® powerKON® power linking cords
8 Seetronic® etherKON® signal linking cords
5 pcs spare LED masks
User Manual

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