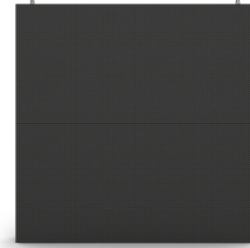# REM 1 SQ

FEATURES

- 1.9 mm pitch, ultra-high resolution, indoor video panel in convenient 500 mm (tall) by 500 mm (wide) form factor.
- Map and scale your wall with the Novastar MX40 Pro sender
- Operating in the DCI-P3 color space and driven via the premium A10s Pro receiver card from Novastar, black body LEDs accurately reproduce video at 22-bit+ grayscale and a wide color gamut
- High performance LED drivers deliver 3,840 Hz refresh rate for high-demand applications
- Hot-swap magnetic LED modules with onboard factory calibration storage offers chroma, brightness, and the new thermal calibration for premium performance and uniformity of the panels
- Specialized frame design allows for overhead hanging, ground stacking, and wall mounting, which maximizes the design for multiple applications
- Corner protectors and specialized LED board design offers impact resistance up to 3x that of other panels, and resilient led mask design optimizes viewing angle and uniformity without exposing the LEDs to front or side impacts
- Strong, magnetic assisted hanging makes setting up the panels fast and easy with minimal crew
- Specialized anti-reflective coating applied to the front of LED modules ensures optimal viewing comfort
- Ground support/stacking system available in scalable road case-GROUNDSUPPORT2KIT

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)

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

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- LED Module Material: Glass filled polycarbonate
- Maximum vertical hang: 11 panels

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)

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 video source: 25/port, up to 500/Processor/Sender 10-bit video source: 18/port, up to 360/Processor/Sender 12-bit video source: 12/port, up to 240/Processor/Sender HDR off, 30 Hz 8-bit video source: 20/port, up to 400/Processor/Sender 10-bit video source: 15/port, up to 300/Processor/Sender 12-bit video source: 10/port, up to 200/Processor/Sender HDR off, 60 Hz 8-bit video source: 10/port, up to 200/Processor/Sender 10-bit video source: 7/port, up to 140/Processor/Sender 12-bit video source: 5/port, up to 100/Processor/Sender HDR off, 120 Hz 8-bit video source: 5/port, up to 100/Processor/Sender 10-bit video source: 3/port, up to 60/Processor/Sender 12-bit video source: 2/port, up to 40/Processor/Sender HDR off, 144 Hz 8-bit video source: 4/port, up to 80/Processor/Sender 10-bit video source: 3/port, up to 60/Processor/Sender 12-bit video source: 2/port, up to 40/Processor/Sender
    - Maximum Panels Tall/ Novastar MX40 Pro: (adjust input/source resolution as needed): 4 @ 1080 height 5 @ 1344 height 6 @ 1680 height 8 @ 2160 height
    - Maximum Panels Wide/ Novastar MX40 Pro: (adjust input/source resolution as needed): 7 @ 1920 wide resolution 15 @ 3840 wide resolution 32 @ 8192 wide resolution

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
- 120
- 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

- 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)

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

OPTIONAL ACCESSORIES

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

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