

REM 1



FEATURES

- 1.9 mm pitch, ultra-high resolution, modular, indoor video panel
- Map and scale your wall with the Novastar MX40 Pro sender
- Universal, magnetic LED modules for easy replacement and servicing
- Magnetic-assisted hanging integrated into frames makes building a screen fast and easy with minimal labor/effort required
- REM1 offered in two physical sizes: 1 m x 0.5 m, 0.5 x 0.5 m (special order)
- Integrated curving capabilities for concave and convex configurations
- Spring-loaded corner protection for safe transportation and handling
- 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 7,680 Hz refresh rate for camera-friendly operation in high-demand applications
- Low latency and HDR10 supported for VR/XR studio, live applications
- Design allows for overhead hanging, ground stacking, and wall mounting, maximized for multiple applications
- 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: 131,072 LEDs (tri-color RGB) SMD 1212, 100,000 hours life expectancy
- LED Color Wavelength: red (620 to 625 nm), green (510 to 535 nm), blue (485 to 475 nm)
- Color Space: DCI-P3
- Viewing Angle (H/V): 140°/140°
- Calibrated Illuminance: 800 NITS (calibrated)
- Maximum Illuminance: >1,000 NITS (calibration disabled)
- Grayscale: 22-bit+
- Receiver Card : A10s Pro
- Drive Type : 1/21
- Pixels: 256 x 512
- Pixel Pitch: 1.9 mm
- Minimum Viewing Distance: 7.5 ft (2.3 m)
- Pixel Density: 262,144/m²
- Display Refresh Rate: 7,680 Hz (S-PWM)

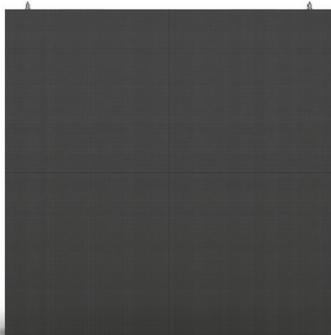
CONSTRUCTION/PHYSICAL

- Dimensions: 19.69 x 39.37 in (500 x 1000 mm)
- Weight: 31.2 lb (14.15 kg)
- Threaded Bolt: M10, 1.5
- Exterior Color: Black
- Housing Material: Aluminum ADC12
- 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): 4 ft (1.2 m)
- Cable Length (power): 4.6 ft (1.4 m)
- Cable Length (power extension): 6 ft (1.8 m)

REM 1SQ (Special Order)



Dimensions: 19.68 x 19.68 in
(500 x 500 mm)



CONTROL

- Control Protocol: Novastar VMP platform
- Recommended Processor/Driver: Novastar MX40 Pro
- Panel Resolution (L x H): 256 x 512
- Maximum Panels/Novastar MX40 Pro (20 ports):
 - HDR off, 24 Hz
 - 8-bit video source: 12/port, up to 240/Processor/Sender
 - 10-bit video source: 9/port, up to 180/Processor/Sender
 - 12-bit video source: 6/port, up to 120/Processor/Sender
 - HDR off, 30 Hz
 - 8-bit video source: 7/port, up to 140/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, 60 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, 120 Hz
 - 8-bit video source: 2/port, up to 40/Processor/Sender
 - 10-bit video source: 1/port, up to 20/Processor/Sender
 - 12-bit video source: 1/port, up to 20/Processor/Sender
 - HDR off, 144 Hz
 - 8-bit video source: 2/port, up to 40/Processor/Sender
 - 10-bit video source: 1/port, up to 20/Processor/Sender
 - 12-bit video source: 1/port, up to 20/Processor/Sender
- Maximum Panels Tall/ Novastar MX40 Pro: (adjust input/ source resolution as needed):
 - 2 @ 1080 height
 - 3 @ 1344 height
 - 3 @ 1680 height
 - 4 @ 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: 7 units @ 120 V; 12 units @ 208 V; 14 units @ 230 V
- Power and Current: 240 W, 2.0 A @ 120 V, 60 Hz
- Power and Current: 240 W, 1.15 A @ 208 V, 60 Hz
- Power and Current: 240 W, 1.04 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: 819 BTU per hour
- Thermal Dissipation @ 208V: 819 BTU per hour
- Thermal Dissipation @ 230V: 819 BTU per hour
- Operating Temperature: -4 °F to 122 °F (-20 °C to 50 °C)

WHAT'S INCLUDED

- 4 REM 1
- 1 Seetronic® powerKON® power cord
- 4 Seetronic® powerKON® power linking cords
- 4 Seetronic® etherKON® signal linking cords
- 5 pcs spare LED masks
- User Manual



Novastar MX40



GROUNSSUPPORT2KIT

The GROUNSSUPPORT2KIT is a ground support/stacking system that utilizes the new dual function rig bars to provide a clean, professional setup for your clients. The GROUNSSUPPORT2KIT can support a 2.5 wide x 3m tall section of video panels.