F3X

- Specialized frame design allows for overhead hanging, ground stacking, and wall mounting maximizing installation flexibility and aftermarket front and rear service; simply push out modules from the rear using the handles or use the optional service tool from the front.
- Front LED surface protective design features prevent damage when handling: specialized LED board design to improve impact resistance up to 3x that of other panels, and resilient led mask design to optimize image 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 a minimal crew
- Optimized heat dissipation ensures an even color across the F3
- Dual power supplies increase the stability of the system
- Ground support system, and concave curving hardware available
- Easily replace the LED masks without tools so your display remains flat even after mishandling

FEATURES

- 3.9 mm pitch, high-resolution, indoor rated video panel in convenient 1000 mm (tall) by 500 mm (wide) form factor.
- Easily configure and drive content with the VIP Drive 43Nova 2 or the VIP Drive 83R Nova, powered by the Novastar control protocol
- High quality black body LEDs accurately reproduce video at 14-bit grayscale, operating on the A5s receiver card from Novastar (18-bit available)
- High performance digital LED drivers deliver 3840 Hz refresh rate and a clear, vibrant image
- Uses specialized LED dimming control via S-PWM (scrambled PWM), which enhances on-camera performance.
- Intelligent, high speed magnetic LED modules with dedicated memory stores factory calibration, ensuring optimal image quality, color uniformity, and simplifies maintenance by making service fast and easy
- 1,000 x 500 x 82.5 mm, 28.6 lb (13 kg) magnesium die-cast housing (500 x 500 mm available) makes this product among the lightest and slimmest in its class without compromising strength, capable of hanging up to 22 panels vertically safely

SPECIFICATIONS

OPTICAL

- Light Source: 65536 LEDs (tri-color RGB) SMD 2121, 50,000 hours life expectancy
- Color Wavelength: red (620 to 625 nm), green (512 to 532 nm), blue (460 to 475 nm)
- Viewing Angle (H/V): 140°/110°
- Calibrated Illuminance: 1000 NITS
- Maximum Illuminance: 1200 NITS
- Grayscale : 14-bit
- Drive Type : 1/16
- Receiver Card : A5s Plus E
- Pixels: 128 x 256
- Pixel Pitch: 3.9 mm
- Minimum Viewing Distance: 10ft (3m)
- Pixel Density: 65,536/m2
- Display Refresh Rate: 3,840 Hz (S-PWM)

CONSTRUCTION/PHYSICAL

- Dimensions: 19 x 39 x 2.5 in (500 x 1000 x 64 mm)
- Weight: 30 lb (13.6 kg)
- Exterior Color: Black
- Housing Material: Magnesium die-cast
- Maximum vertical hang: 23 panels
- Maximum horizontal hang: 17 panels

CONNECTIONS

- Power Connection: Edison (Local) plug to Seetronic etherKON IP65
- Power Input: Seetronic etherKON IP65
- Power Output: Seetronic etherKON IP65
- Data Connectors: Seetronic etherKON IP65
- Cable Length (signal extension): 4 ft (1.2 m)
- Cable Length (power): 6 ft (1.8 m)
- Cable Length (power extension): 6 ft (1.8 m)

Control Protocol: Novastar

Maximum Panels per **VIP Drive 43Nova 2**:

- 20/port, 60/Drive (4 ports), 1920x1080 @ 60 Hz
- 20/port, 75/Drive (4 ports), 1920 x 1280 @ 30/50 Hz
- 20/port, 80/Drive (4 ports), 1920 x 1536 @ 30 Hz
- Note: may load up to 80 panels/drive at any resolution if overlapping video content
- Note: increasing refresh rate reduces port capacity
- Note: Adding mapping space between panels reduces port capacity

Maximum Panels per **VIP Drive 83R Nova**:

- 20/port, 90/Drive (8 ports), 1920 x 1536 @ 30 Hz
- 20/port, 120/Drive (8 ports), 3840x1080 @ 30 Hz
- Note: may load up to 160 panels/drive at any resolution if overlapping video content
- Note: increasing refresh rate reduces port capacity
- Note: Adding mapping space between panels reduces port capacity

Maximum Panels per **VIP Drive 10-5 Nova**:

- 20/port, 120/Drive (10 ports), 3840x1080 @ 60 Hz
- 20/port, 180/Drive (10 ports), 3840x2160 @ 30 Hz
- Note: may load up to 200 panels/drive at any resolution if overlapping video content
- Note: increasing refresh rate reduces port capacity
- Note: Adding mapping space between panels reduces port capacity

Maximum Panels Wide per **VIP Drive 43 Nova 2**:

- 15 @ 1920 wide resolution

Maximum Panels Wide per **VIP Drive 83R Nova**:

- 30 @ 3840 wide resolution

Maximum Panels Wide per **VIP Drive 10-5 Nova**:

- 30 @ 3840 wide resolution

Maximum Panels Tall per **VIP Drive 43 Nova 2**
(adjust input/source resolution):

- 3: 1920 x 1080 @ 30/50/59.94/60 Hz
- 4: 1920 x 1080 @ 60 Hz
- 4: 1920 x 1280 @ 30/50 Hz
- 5: 1920 x 1080 @ 30/50 Hz
- 6: 1920 x 1080 @ 30 Hz
- 6: 1920 x 1536 @ 30 Hz

Maximum Panels Tall per **VIP Drive 83R Nova**
(adjust input/source resolution):

- 3: 1920 x 1080 @ 30/50/59.94/60 Hz
- 4: 3840 x 1080 @ 60 Hz
- 4: 1920 x 1280 @ 30/50 Hz
- 5: 3840 x 1080 @ 30/50 Hz
- 6: 1920 x 1536 @ 30 Hz
- 6: 3840 x 1080 @ 30 Hz:

Maximum Panels Tall per **VIP Drive 10-5 Nova**
(adjust input/source resolution):

- 4: 3840 x 1080 @ 60 Hz
- 8: 3840 x 2160 @ 30 Hz

CONTROL

- Control Protocol: Novastar
- Maximum Panels/VIP Drive 43Nova 2: 30/port, 108/Drive (4 ports) (may load up to 120 panels/drive if overlapping video content)
- Maximum Panels/VIP Drive 83R Nova: 30/port, 216/Drive (8 ports) (may load up to 240 panels/drive if overlapping video content)
- Maximum Panels Wide/VIP Drive 43 Nova 2: 18 @ 1920 wide resolution
- Maximum Panels Wide/VIP Drive 83R Nova: 36 @ 3840 wide resolution
- Maximum Panels Tall/ VIP Drive 43 Nova 2: 6 @ 60Hz
- Maximum Panels Tall/ VIP Drive 83R Nova: 6 @ 60Hz

ELECTRICAL

- Input Voltage: 100 to 240 VAC, 50/60 Hz (auto-ranging)
- Power Linking: 5 units @ 120 V; 10 units @ 208 V; 11 units @ 230 V
- Power and Current: 305 W, 2.54 A @ 120 V, 60 Hz
- Power and Current: 305 W, 1.46 A @ 208 V, 60 Hz
- Power and Current: 305 W, 1.32 A @ 230 V, 50 Hz

CERTIFICATIONS/QUALIFICATIONS

- CE, MET, FCC, RoHS, UKCA
- MET Listing Number: E114016
- US Safety: UL 62368-1
- Canadian Safety: CSA C22.2 No. 62368-1
- IP Rating: IP31, dry location
- Thermal Dissipation @120V: 1040.70 BTU per hour
- Thermal Dissipation @ 208V: 1040.70 BTU per hour
- Thermal Dissipation @ 230V: 1040.70 BTU per hour
- Temperature (Ambient): -4 °F to 104 °F (-20 °C to 40 °C)

WHAT'S INCLUDED

- 4 F3X
- 1 Road case
- 1 Seetronic powerKON® IP65 power cord
- 4 Seetronic powerKON® IP65 power linking cords
- 4 Seetronic etherKON® IP65 signal linking cords
- 5 Spare masks

OPTIONAL ACCESSORIES

- Neutrik powerKON cables
- Neutrik etherCON cables
- DRB-F100CM
- DRB-F50CM
- DRB-CurveX2
- GROUNDSUPPORT2KIT
- VIDCURVEKIT

REQUIRED ACCESSORIES

- Required Software: Nova LCT Mars
- Controller (required): VIP Drive 10-5 Nova, VIP Drive 43Nova 2, VIP Drive 83R Nova
- Compatible Mounting Options: F-series™ Dual Function Rig Bar (0.5 m, 1 m), M12 bolt/clamp (rear or surface mounting), GROUNDSUPPORT2KIT (floor mounting)

VIP DRIVE 10-5 NOVA

VIP Drive 10-5 Nova is a streamlined all-in-one video processor that outputs signal to any NovaStar video panel. The integrated 3-layer Scaler supports full screen, pixel to pixel, and custom scaling options. VIP Drive 10-5 NOVA can automatically scale to the wall detected and detect connected video panels and strips in the Smart-LCT mapping software without the need to manually input panel/strip resolution. The powerful, standalone mapping configures most video walls without a computer, and the custom mapping function is fast and easy with on-screen visual feedback. With 10 Ethernet video outputs, VIP Drive 10-5 Nova supports 4K at 6.55 million LED resolution.

VIP DRIVE 83RNOVA

VIP Drive 83RNova is a streamlined all-in-one video wall mapper/ switcher for use with the Novastar video control protocol. With three inputs, eight outputs, it will map your video wall, switch your video source, and handle sending/receiving via fiber for long transmissions, eliminating the need for individual mappers and video switchers.

DRBF100CM - DRBF50CM

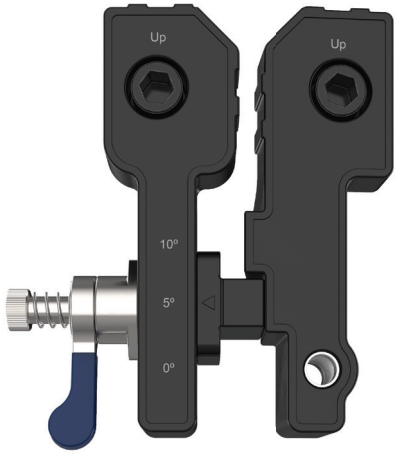
The DRBF100CM and the DRBF50CM are newly designed rig bars that perform dual functions. The may be used to hang the video wall overhead, and also for ground stacking purposes, by adding in the new GROUNDSUPPORT2KIT.

GROUNDSUPPORT2KIT

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.

DRBCURVEKITX2

The DRBCURVEKITX2 curves the new dual function rig bars above. Included in the box are 2pcs 5 degree brackets and 2pcs 10 degree brackets which support concave curves.



VIDCURVEKIT

The VIDCURVEKIT curves the F2, F5IP, F4IP, and F4XIP in 5 and 10 degree concave angles, and is adjustable.