

# F2



## FEATURES

- 2.9 mm pitch high resolution indoor video panel works with the VIP Drive 43Nova2, using the Novastar control protocol
- High quality black body LEDs accurately reproduce video at 16-bit grayscale, operating on the A5s receiver card from Novastar (18-bit available)
- High performance digital LED drivers deliver 3840Hz refresh rate and a clear, vibrant image
- 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, 30 lb (13.6 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 23 panels vertically safely
- 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 included service tool from the front

- Front LED surface protective design features prevent damage when handling: 4x stainless steel standing feet to keep the LEDs from touching the floor, 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 F2
- Dual power supplies increase the stability of the system
- Cable management solutions include angled connectors on panels for easy operation, long cables which can connector horizontally or vertically, and handles on the bottoms of each panel to organize cables and keep them neat
- Ground support system, and concave curving hardware available

## SPECIFICATIONS

### OPTICAL

- Light Source: 56,448 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): 160°/155°
- Calibrated Illuminance: 1,200 NITS
- Maximum Illuminance: >1,500 NITS
- Contrast Ratio: 8,500:1
- Grayscale : 16-bit
- Receiver Card : A5s
- Drive Type : 1/21
- Pixels: 168 x 336
- Pixel Pitch: 2.9 mm
- Minimum Viewing Distance: 7.5 ft (2.3 m)
- Pixel Density: 112,896/m<sup>2</sup>
- Display Refresh Rate: 3,840Hz

### CONSTRUCTION/PHYSICAL

- Dimensions: 19.69 x 3.25 x 39.37 in (500 x 82.5 x 1000 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
- Transparency: 0%

## 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 ft (1.2 m)
- Cable Length (power extension): 6 ft (1.8 m)

## CONTROL

- Control Protocol: Novastar
- Maximum Panels/VIP Drive 43Nova2:  
11/port, 44/Drive (4 ports)
- Video Input (compatible): 60 Hz

## ELECTRICAL

- Input Voltage: 100 to 240 VAC, 50/60 Hz (auto-ranging)
- Power Linking:  
10 units @ 120 V; 16 units @ 208 V; 18 units @ 230 V
- Power and Current: 204 W, 1.7 A @ 120 V, 60 Hz
- Power and Current: 230 W, 1.1 A @ 208 V, 60 Hz
- Power and Current: 230 W, 1.0 A @ 230 V, 50 Hz

## CERTIFICATIONS/QUALIFICATIONS

- CE, MET, FCC, ROHS
- IP Rating: IP31, dry location
- Thermal Dissipation @120V: 650 BTU per hour
- Thermal Dissipation @ 208V: 750 BTU per hour
- Thermal Dissipation @ 230V: 750 BTU per hour
- Temperature (Ambient): -4 °F to 140 °F (-20 °C to 60 °C)

## WHAT'S INCLUDED

- 4 F2
- 1 Road case
- 1 Seetronic® powerKON® power cord
- 4 Seetronic® powerKON® power linking cords
- 4 Seetronic® etherKON® signal linking cords
- 5 pcs spare LED masks

## REQUIRED ACCESSORIES

- Required Software: Nova LCT Mars
- Controller (required):  
VIP Drive 43Nova or VIP Drive 43Nova 2
- Accessories (required): VIP Driver
- Compatible Mounting Options:  
F-series Rig Bar (0.5 m and 1 m)(overhead hanging),  
M10 Bolt/Clamp (front mounting), M12 Bolt/Clamp  
(rear mounting)

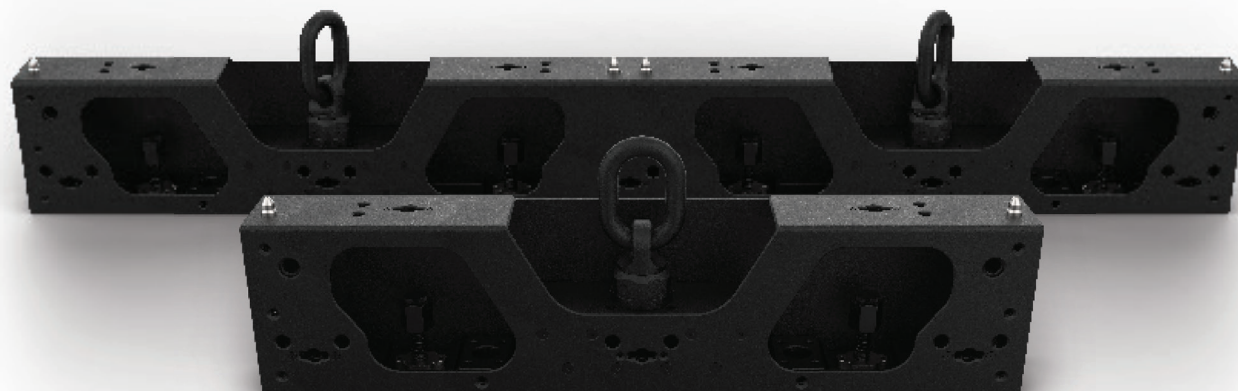
## OPTIONAL ACCESSORIES

- ArKaos Media Master Express + KN software
- Clamps
- Neutrik powerKON cables
- Neutrik etherCON cables
- DMX Cables
- DRBF100CM
- DRBF50CM
- DRBCURVEKITX2
- VIDTOURCART
- GROUND SUPPORT2KIT
- VIDCURVEKIT



### VIP DRIVE 43NOVA 2

The VIP Drive 43Nova 2 drives 184pcs of the F5IP panels, and accepts HDMI, DVI, and 3G-SDI. You can remotely trigger this via 5-pin XLR DMX ports directly from the lighting console.



### DRBF100CM - DRBF50CM

The DRBF100CM and the DRBF50CM are newly designed rig bars that perform dual functions. They may be used to hang the video wall overhead, and also for ground stacking purposes, by adding in the new GROUND SUPPORT 2KIT.





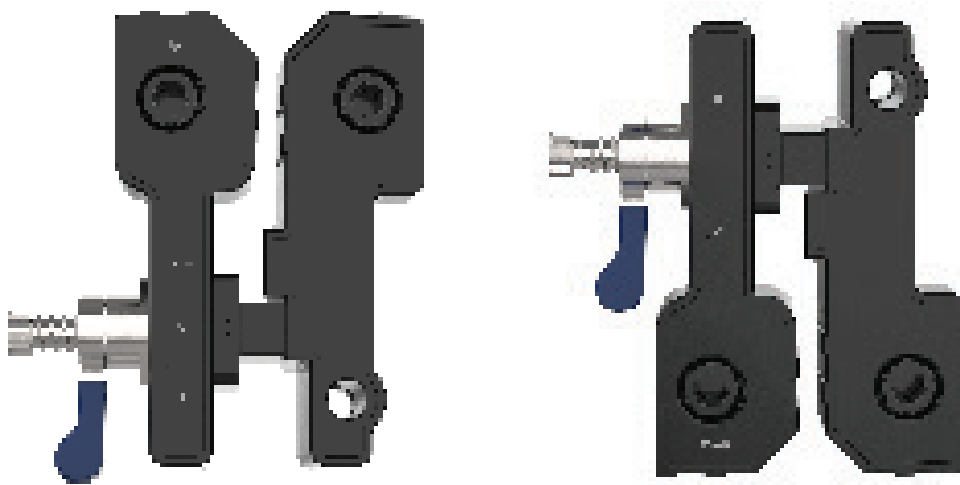
## GROUND SUPPORT 2 KIT

The GROUND SUPPORT 2 KIT is a ground support/stacking system that utilizes the new dual function rig bars to provide a clean, professional setup for your clients. The GROUND SUPPORT 2 KIT 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 in 5 and 10 degree concave angles, and is adjustable.