

VIP Drive 83R Nova

An all-in-one video wall processor for the Novastar protocol that combines mapping, source switching, and long-distance fiber transmission into a single, streamlined unit. Ideal for managing complex, multi-source video wall systems in live production and large-scale installations where synchronized control and long-distance transmission are essential.

- Accepts Dual-link DVI, HDMI 1.4, and 6G-SDI inputs for diverse video source compatibility.
- Eight etherCON outputs drive up to 5.24 million LEDs for stunning 4K video wall resolution.
- Provides integrated primary and backup fiber outputs for reliable long-distance signal transmission.
- Onboard Genlock input and loop ensures perfect video synchronization across multiple processors and cameras.
- Offers standalone mapping and a live on-screen overlay for fast, computer-free video wall configuration.
- Housed in a compact 1U design with dual redundant power supplies for maximum operational uptime.



SPECIFICATIONS

Construction / Physical

Dimensions: 19 x 12 x 1.7 in (483 x 335 x 52 mm)

Weight: 9.5 lb (4.3 kg)

Housing Material: Aluminum alloy

Rackmount: 1U

Connections

Power Connection: Edison (Local) plug to IEC

Power Input: IEC

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

Video Input: Dual-link DVI-I (VESA standard, 1080i, HDCP support)

Video Input: HDMI (EIA/CEA-861 standard, meeting HDMI-1.4 standard, HDCP support)

Video Input: 6G-SDI (480i, 576i, 720p, 1080i/p)

Video Output: Neutrik® etherCON® (8)

Video Output: SFP-LC Fiber optical (2) (SFP fiber module not included)

Genlock Input: Blackburst via locking BNC

Genlock Loop Output: Blackburst via locking BNC

Linking Connection: USB

Software Connection: Front/Rear USB

Backup/update Connection: Front/Rear USB

Control

Control Protocol: NOVASTAR

Maximum Supported Input Resolution: 3840 x 1080

Maximum Supported LEDs: 5,242,880

Remote Control: NovaLCTMars PC software via front/rear USB (1)

Supported Video Standards (Dual-link DVI): DVB-ASI

Supported Video Standards (HDMI): HDMI 1.4, and DVB-ASI

Supported Video Standards (6G-SDI): SMPTE 424M, SMPTE 292M, SMPTE ST-2081 (proposed), SMPTE 259M compliant

Color Space Supported (DVI): RGB 4:4:4

Color Space Supported (HDMI): RGB 4:4:4, YCrCb 4:4:4, YCrCb 4:2:2

Color Space Supported (6G-SDI): RGB 4:4:4, YCrCb 4:4:4, YCrCb 4:2:2

Electrical

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

Power and Current: 40 W, 0.33 A @ 120 V, 60 Hz

Power and Current: 40 W, 0.19 A @ 208 V, 60 Hz

Power and Current: 40 W, 0.17 A @ 230 V, 50 Hz

Certifications / Qualifications

Certifications: UL, CE, FCC, ROHS

IP Rating: IP20, dry location

Optional Accessories

ArKaos Media Master Express™ + KN software

Neutrik® etherCON® cables

What's Included

VIP Drive 83R Nova
Rubber feet (4)
IEC power cord
USB cable
HDMI signal cable
Cat5e Ethernet cable
Warranty Card