VIP Drive 10-5 Nova

FEATURES

- Video wall processor that outputs video signal to any NovaStar video panel
- Integrated 3-layer Scaler supports full screen, pixel to pixel, and custom scaling options
- Automatically scales to the wall detected
- Automatically detect connected video panels/strips in the Smart-LCT mapping software without the need to manually input panel/strip resolution
- Powerful standalone mapping configures most video walls without a computer
- Custom MAPPING function makes setting up your wall fast and easy with on-screen visual feedback
- Specialized on-screen mapping overlay makes mapping fast and easy by identifying the port and order of each video panel live, while video continue to play in the background.
- 10 Ethernet video outputs support 4K at 6.55 million LED resolution
- Works with NovaLCT and Smart-LCT software for complex configurations and panel calibration
- Compact 1U packaging eases transportation and integration into your existing setup
- Fiber SFP output for all 10 ports of the processor (primary and backup)

- 1 of the fiber SFP ports may be used as a direct video input
- Mode selection in menu allows the processor to function as a regular video controller to screen, a fiber converter to input fiber and output to your screen from another video controller, or in Bypass mode for automatic fault detection and backup from another primary video controller
- Genlock input and loop supports synchronizing multiple VIP processors and with your video source (switcher) to eliminate scan lines on camera.
- Mosaic function allows you to use multiple video inputs on the screen at the same time (2x DVI or 2x HDMI)
- Video backup settings allow you to designate backup video inputs for increased stability
- HDMI Video output enables previewing video sources and monitoring screen output locally
- Image Mosaic function supports synchronizing multiple VIP Drive 10-5 Nova processors, up to 32,768 x 32,768 total resolution
- Supports output LED screen refresh rate 23.98 - 120 Hz
- Low latency, 3D features supported in the drive

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SPECIFICATIONS

CONSTRUCTION/PHYSICAL
- Dimensions: 19 x 13.8 x 1.97 in (483 x 351.2 x 50.1 mm)
- Weight: 9 lb (4.08 kg)
- Exterior Color: Black
- 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: DVI-I (2) (HDMI 1.4) Single Link (VESA/ EIA/CEA-861 standard, 3840 x 1080 @ 60 Hz - 3840x2160@30hz, HDCP 1.4 compliant)
- Video Input: HDMI 1.4 (2) (VESA standard, 3840 x 1080 @60 Hz – 3840 x 2160 @30 Hz, HDCP 1.4 compliant)
- Video Input: HD-SDI (480i, 576i, 720p, 1080i/p)
- Video Input: SFP-LC Fiber optical (2) (SFP fiber module not included)
- Genlock Input: Blackburst via locking BNC
- Genlock Loop Output: Blackburst via locking BNC
- Video Output: DVI Loop
- Video Output: SDI Loop
- Video Output: HDMI 1.4 Loop
- Video Output: HDMI 1.3 (Preview)
- Video Output: SFP-LC Fiber optical (2) (SFP fiber module not included)
- Audio: Input/Output (2.5mm) TRS, Stereo
- Video Output: RJ45 Ethernet (10)
- Linking Connection: USB 2.0 (Type A to Type B)
- Software Connection: Rear USB /RJ45 Ethernet
- Backup/update Connection: Rear USB/RJ45 Ethernet

CONTROL
- Control Protocol: NovaStar
- Maximum Supported Resolution: 3840 x 2160
- Maximum Supported LEDs (Per Port @ 60Hz): 655,360
- Maximum Supported LEDs: (Total 10 Ports @ 60Hz) 6,553,600
- Remote Control: NovaLCTMars PC software via rear USB (1), RJ-45 Ethernet port
- Supports Video Standards: SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M-C and DVB-ASI
- Color Space Supported (DVI): RGB 4:4:4, YCrCb 4:4:4, YCrCb 4:2:2
- Color Space Supported (HDMI): RGB 4:4:4, YCrCb 4:4:4, YCrCb 4:2:2
- Color Space Supported (OPT 1): RGB 4:4:4, YCrCb 4:4:4, YCrCb 4:2:2
- Movement) 25,19,7)

ELECTRICAL
- Input Voltage: 100 to 240 VAC, 50/60 Hz (auto-ranging)
- Power and Current: 150 W, 1.25 A @ 120 V, 60 Hz
- Power and Current: 150 W, 0.72 A @ 208 V, 60 Hz
- Power and Current: 150 W, 0.65 A @ 230 V, 50 Hz

CERTIFICATIONS/QUALIFICATIONS
- CE, ROHS
- IP Rating: IP20, dry location

WHAT'S INCLUDED
- VIP Drive 10-5 Nova
- IEC power cord
- USB cable
- HDMI signal cable
- DVI Signal Cable
- Cat5e Ethernet 3ft jumper cable

REQUIRED ACCESSORIES
- Required Software: NovaLCT Software (PC), or SmartLCT Software (PC/MAC)
- Compatible Mounting Options: 1U Rackmount

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