NOVASTAR

Pro UHD Jr
4K Processor

The NovaPro UHD Jr is a NovaStar's new all-in-one controller that features excellent video processing capabilities, sending card functions and LED screen configurations.

The NovaPro UHD Jr provides a variety of video input connectors, supporting 4K×2K@60Hz image processing and sending   capabilities.

With the help of smart control software V-Can from Novastar, the NovaPro UHD Jr can enable richer image mosaic effects and faster and easier operations.

The NovaPro UHD Jr can send the processed video to the LED screen via Neutrik Ethernet ports and optical fiber ports. Thanks to its powerful video processing capabilities and sending functions, the NovaPro UHD Jr is well suited for stage control systems,   conference sites, activities, exhibition sites and other high-end rental applications as well as fine-pitch LED displays.

Input

Connector Quantity Description DVI4

- • Four DVIs are all single-link DVI connectors by default
- 4 × DVI inputs
- Each DVI: Input resolution up to 1920×1200@60Hz, downward compatible
- 4 DVI input sources constitute 1 input source (DVI MOSAIC).
- Standard resolutions supported
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    - • In dual-link mode
- DVI 1 and DVI 3 are dual-link DVI connectors while DVI 2 and DVI 4 are unavailable.
- DVI 1/DVI 3: Input resolution up to 3840×1080@60Hz, downward compatible
- Standard resolutions supported
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12G-SDI2

- Input resolution up to 4096×2160@60Hz, downward compatible
- Standard resolutions unsupported

DP 1.21

- Input resolution up to 3840×2160 @60Hz, downward compatible
- HDCP 1.3 compliant
- Standard resolutions supported

HDMI 2.01

- Input resolution up to 3840×2160 @60Hz, downward compatible
- HDCP 1.4 and HDCP 2.2
- EDID management

Standard resolutions supported

Output

Connector Quantity Description Ethernet port16

- 16 × Neutrik Gigabit Ethernet output connectors, allowing for a loading capacity of up to 10,400,000 pixels
    - • Maximum loading capacity:
- Max. width: 16K,
- max. height: 8K
    - • Maximum loading capacity of a single Ethernet port:
- 8-bit input source: 650,000 pixels
- 10-bit/12-bit input source: 320,000 pixels

OPT 1–4410G optical connectors

- OPT 1 transmits data of Ethernet ports 1–8.
- OPT 2 transmits data of Ethernet ports 9–16.
- OPT 3 serves as the hot backup or copy for OPT 1.
- OPT 4 serves as the hot backup or copy for OPT 2.

HDMI 2.0 LOOP1

- HDMI loop output connector Only 1 level of device cascading supported
- HDCP 1.4
- EDID management

12G-SDI LOOP2SDI loop output connectorsMONITOR1HDMI connector for output monitoringResolution up to 1920×1080@60Hz

Control

ConnectorQuantityDescriptionETHERNET1Connect to the PC for communication, or connect to the Web for device control.USB (Type-B)1Connect to the PC for device control.Used as the input connector to connect a NovaPro UHD Jr unit for image mosaicUSB (Type-A)1Used as the output connector to connect a NovaPro UHD Jr unit for image mosaicGENLOCK IN- LOOP1Connect to a synchronization signal to synchronize all the connected NovaPro UHD Jr units.RS2321Connect to the control device.