

NovaStar Overseas Video Controller

Product Function Table (V3.3)



Model	VX4s-N	VX600	VX1000	NovaPro UHD Jr
Loading Capacity (pixel)	2,300,000	3,900,000	6,500,000	10,400,000
Video Source Depth	8bit	8bit	8bit	8 / 10 / 12bit
Maximum Input	Max Width: 3840×657@60Hz Max Height: 1246×1920@60Hz Min: 800×600@60Hz	Max Width: 3840×600@60Hz Max Height: 800×2784@60Hz Min: 800×600@60Hz	Max Width: 4096×1136@60Hz Max Height: 1060×3981@60Hz Min: 800×600@60Hz	Max Width: 8192×1080@60Hz Max Height: 1080×8192@60Hz Min: 800×600@60Hz
Maximum Output	Max Width:3840 Max Height:1920	Max Width:10240 Max Height: 8192	Max Width:10240 Max Height: 8192	Max Width: 16384 Max Height: 8192
Video Input	HDMI×1,DVI×1 VGA×1,CVBS×1 DP×1,SDI×1	HDMI1.3×2, DVI×1 3G-SDI×1 1×10G optical fiber port(OPT1)	HDMI1.4×2, DVI×2 3G-SDI×1 1×10G optical fiber port(OPT1)	HDMI2.0×1, DVI×4 DP1.2×1 12G SDI×2
Output	Network Port×4 DVI LOOP×1 SDI LOOP×1 DVI Monitor×1	Network Port×6 HDMI1.3 LOOP×1 DVI LOOP×1 SDI LOOP×1 HDMI1.3×1 (Monitor) 1×10G optical fiber port(OPT2)	Network Port×10 HDMI1.4 LOOP×1 DVI LOOP×1 SDI LOOP×1 HDMI1.3×1 (Monitor) 1×10G optical fiber port(OPT2)	Network Port×16 10G Fiber Output×4 12G SDI LOOP×2 HDMI2.0 LOOP×1 HDMI×1 (Monitor)
Splicing Loading Capacity	✓	✓	✓	✓
Max Layers	2	3	3	3
Max Presets	10	10	10	10
Knob Brightness Adjustment	✓	✓	✓	✓
USB Disk Play On Board	×	×	×	×
Control Method	USB, TCP/IP	USB, TCP/IP	USB, TCP/IP	USB, TCP/IP,RS232
Control Protocol	TCP/IP	TCP/IP	TCP/IP	TCP/IP

Product Function Table (V3.3)

[illegible]

NovaStar H Series Flagship Video Splicing Processor



Product Function Table (V3.3)

Model	H2	H5	H9	H9(Enhanced)	H15	H15(Enhanced)
Chassis	2U	5U	9U	9U	15U	15U
Loading capacity(pixel) (LED 4K Sending Card)	26,000,000	39,000,000	65,000,000	65,000,000	130,000,000	208,000,000
Output limits	Single output connector: Up to 2560 pixel width and height Single sending card: Up to 10240 pixel width and height (H_16×RJ45 sending card) Single sending card: Up to 10752 pixel width and height (H_20×RJ45 sending card)					
Max,Input Card (Output cards Qty meanwhile)	4 (1 LED 4K Sending Card or 2 Video Card)	10 (3 LED 4K Sending Card or 3 Video Card)	15 (0 LED 4K Sending Card or 5 Video Card)	15 (2 LED 4K Sending Card or 5 Video Card)	30 (0 LED 4K Sending Card or 10 Video Card)	30 (0 LED 4K Sending Card or 10 Video Card)
Max,Output LED 4K Sending Card (Input card Qty meanwhile)	2 (3 Input cards)	3 (10 Input cards)	5 (10 Input cards)	5 (10 Input cards)	10 (20 Input cards)	16 (8 Input cards)
Max,Output Video Card (Input card Qty meanwhile)	2 (4 Input cards)	3 (10 Input cards)	5 (15 Input cards)	10 (10 Input cards)	10 (30 Input cards)	16 (24 Input cards)
Input cards	H_4×DVI input card, H_4×HDMI input card, H_1×HDMI2.0+1×DP1.2 input card, H_2×RJ45 IP input card,H_4×3G SDI input card, H_2×CVBS+2×VGA input card, H_4×VGA input card, H_2×DP1.1 input card,H_1xHDMI2.0 input card,H_1x12G SDI input card, H_2xHDMI2.0 input card (H15/H15 Enhanced only)					
Output cards	H_16xRJ45+2xfiber sending card,H_20xRJ45 sending card,H_2xRJ45+1xHDMI1.3 preview card, H_4xHDMI output card,H_4xDVI output card					
Irregular screen mosaic	✓	✓	✓	✓	✓	✓
Max,layers	16 per output card	16 per output card	16 per output card	16 per output card	16 per output card	16 per output card
Presets	2000 (preset playback supported)	2000 (preset playback supported)	2000 (preset playback supported)	2000 (preset playback supported)	2000 (preset playback supported)	2000 (preset playback supported)
Permission management	✓	✓	✓	✓	✓	✓
10bit & HDR	✓	✓	✓	✓	✓	✓
Multiviewer (Preview card required)	✓	✓	✓	✓	✓	✓
Redundant power supply (optional)	×	✓	✓	✓	✓	✓
Control protocol	TCP/IP, RS232	TCP/IP, RS232	TCP/IP, RS232	TCP/IP, RS232	TCP/IP, RS232	TCP/IP, RS232
Genlock&Genlock Offset	✓	✓	✓	✓	✓	✓

NovaStar Armor Series Receiving Cards



Product Function Table (V3.3)

Model		A5s Plus-N	A7s Plus	A8s-N	A10s Plus-N	A10s Pro
Loading capacity(pixel)		512×384	512×512	512×384	512×512	512×512
Max. parallel RGB data groups		32	32	32	32	32
Max. serial data groups		64	64	64	64	64
HDR		×	×	✓	✓	✓
Mapping		✓	✓	✓	✓	✓
Temperature, voltage and communication status monitoring		✓	✓	✓	✓	✓
Dual-card backup		✓	✓	✓	✓	✓
Automatic calibration		✓	✓	✓	✓	✓
Pixel level brightness and chroma calibration		✓	✓	✓	✓	✓
Calibration coefficient backup		×	×	✓	✓	✓
Firmware program readback		✓	✓	✓	✓	✓
Low latency		✓	✓	✓	✓	✓
Image Booster Engine	18bit+	✓	✓	✓	✓	✓
	22bit+	×	×	✓	✓	✓
	Precise Grayscale	×	×	✓	✓	✓
	Color Management	✓	✓	✓	✓	✓
Dynamic Booster		×	×	×	×	✓ (with MX40 Pro)
Full grayscale calibration		×	×	×	×	✓

NovaStar Multimedia Player



Product Function Table (V3.3)

Model	TB30	TB50	TB60
Loading capacity(pixel)	650,000	1,300,000	2,300,000
Output	1×primary, 1×backup	2×primary	4×primary
Maximum resolution	Width 4096 Height 4096	Width 4096 Height 4096	Width 4096 Height 4096
Video decoder	4K 60fps : H.265/H.264/VP9	4K 60fps : H.265/H.264/VP9	4K 60fps : H.265/H.264/VP9
Processing	1GB RAM+16GB ROM	1GB RAM+16GB ROM	1GB RAM+16GB ROM
U disk expansion	Up to 128G	Up to 128G	Up to 128G
Synchronous Mode(HDMI)	×	✓	✓
HDMI Output	×	✓	✓
Audio Output	✓	✓	✓
Optional 4G module	✓	✓	✓
Sync method	NTP, GPS, Lora	NTP, GPS, Lora	NTP, GPS, Lora
Control mode	RJ45, WiFi (AP&STA Switchable), 4G&5G Network	RJ45, WiFi (AP&STA Switchable), 4G&5G Network	RJ45, WiFi (AP&STA Switchable), 4G&5G Network
Backup	✓	✓ (load half)	✓ (load half)
Support NovaCloud	✓	✓	✓
Java SDK	✓	✓	✓
Certification Information	CE、EMC、LVD、ROHS、FCC、FCC ID、IC、RED、UKCA		
Operation System	Android 11	Android 11	Android 11