Novastar CVT-10s

A rack-mountable, single-mode fiber converter that provides a high-performance electrical-to-optical signal conversion solution for reliable, long-distance data transmission.
Perfect for indoor installations like control rooms, broadcast studios, and large-scale event venues that require stable, long-distance signal runs between NovaStar control systems and LED displays.

- Converts single-mode fiber optic signals to ten full-duplex Gigabit Ethernet outputs.
- Features redundant fiber inputs to ensure stable, uninterrupted signal connections over long distances.
- Provides an extra layer of signal reliability with redundant Ethernet output working modes.
- Housed in a standard 19-inch 1U chassis for simple rack or desk mounting.
- Offers seamless integration with all NovaStar processors via a dedicated USB-B control port.
- Equipped with an auto-ranging 100-240 VAC power supply for global compatibility.

SPECIFICATIONS

Construction / Physical

Dimensions: 10.1×11.4×1.72 in (254.3x290x43.6mm)

Weight: 4.63 lb (2.1 kg)

Mounting: 1U Half Space Rackmount Screws

Connections

Power Connection: Locking IEC to bare-ended (sold separately)

Fiber Port(s) Type: 10 G, 1,310 nm Single Mode, 10 km Transmission Distance

Signal Connector (Fiber): Dual LC

Signal Connector (Ethernet): RJ-45

Firmware Update Port: USB type-B

Fiber Module Config: Primary (preinstalled), Backup (reserved)

Display: LED Power/Signal Indicators

Electrical

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

Power/Current (120V, 60 Hz): 150 W / 1.25 A

Power/Current (208V, 60 Hz): 150 W / 0.73 A

Power/Current (230V, 50 Hz): 150 W / 0.66 A

Power/Current (240V, 50 Hz): 150 W / 0.63 A

Certifications / Qualifications

Listings: RoHS, FCC, CE, IC, RCM

IP Rating: IP20 (indoor)

Thermal Dissipation: 512 BTU/hour

Operating Temperature: -4 °F to 131 °F (-20 °C to 55 °C)

Required Accessories

Required Software: Novastar COEX VMP
Controller (required): Novastar MX-series

What's Included

1pc Fiber Converter
1pc power cord