



The ComNet™ CNFEVCNMC small size Ethernet in-dome media converter is designed to transmit and receive 10/100 Mbps data over one multimode or single mode optical fiber with ST connectors. The CNFEVCNMC electrical interface will Auto-Negotiate to a 10 Mbps, or 100 Mbps Ethernet rate without any adjustments. The optical interface operates at a 100 Mbps Ethernet rate. The CNFEVCNMC is environmentally hardened to operate in extreme temperatures. LED indicators are provided for confirming equipment operating status.

FEATURES

- › 10/100 Mbps Ethernet
 - 10/100 BASE-T/TX electrical port
 - 100 BASE-FX optical port
- › Designed to fit in the Vicon Surveyor Dome Camera
- › Electrical port supports Auto-Negotiation for 10 Mbps or 100 Mbps, full duplex or half duplex data.
- › Optical port supports 100 Mbps full duplex data
- › Automatic MDI/MDI-X crossover
- › Distances up to 20 km
- › Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.

- › No in-field optical adjustments required
- › LED Indicators
- › IEEE 802.3 compliant
- › Lifetime Warranty

APPLICATIONS

- › 10/100 Mbps Ethernet Media Converter
- › Electrical to Optical Media Converter for Vicon Surveyor Dome Camera

SPECIFICATIONS

Ethernet

Channels	1
Connector	RJ-45
Data Rate	10/100 Mbps IEEE 802.3 Compliant Full Duplex or Half Duplex Electrical Port/Full Duplex Optical Port

Number Of Fibers 1

Fiber Connectors ST

LED Indicators Link / Activity

Optical Emitter Laser Diode

Electrical Connector RJ-45



Power

Operating Voltage	24 VAC
Power Consumption	6 W

Electrical & Mechanical

Current Protection	Automatic Resettable Solid-State Current Limiters
Circuit Board	Meets IPC Standard
Size (LxWxH)	2.9 x 2.8 x 1.5 in., (7.4 x 7.1 x 3.8 cm)
Shipping Weight	<1 lb/0.45 kg

Environmental

MTBF	>100,000 hours
Operating Temp	-40° C to +75° C
Storage Temp	-40° C to +85° C
Relative Humidity	0% to 95% (non-condensing) ¹

ORDERING INFORMATION

Part Number	Description	Fibers Required	Fiber	Optical Pwr Budget	Max Distance
CNFEVCNMCM	10/100 Mbps Media Converter	1	Multimode 62.5/125µm	10 dB	3km (1.8 mi)
CNFEVCNMCS	10/100 Mbps Media Converter	1	Single Mode 9/125µm	10 dB	20km (12 mi)
Options: [1] Add suffix 'C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory)					

NOTE: This product requires a fiber installation with a minimum 30 dB connector return loss. The use of Super Polish Connectors is recommended. Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J. In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

TYPICAL APPLICATION

