

FOC-301

Class I Div2 Fiber Optic Converter Switch



The FOC-301 is a 10/100BaseTx to 100BaseFx media converter designed for use with IVC IP-base video camera systems. Wide operating temperature (-25°C to 60°C), DC power input, and alarm contacts are all standard features. The FOC-301 allows users to reliably integrate IVC IP-base cameras and Relay Server PCs into fiber-based networks.

The media converter includes one SC multi-mode connector. Models are available to support single mode and other connector types. IP cameras are connected to one of the RJ-45 connector. The converter supports CAT3, 4, 5 10/100Mbps twisted pair cable.

The FOC-301 includes relay alarm output for port link failure and built-in link loss forwarding technology. The FOC-301 also features auto-negotiation speed, full/half duplex modes, and IEEE 802.3x flow control support.

Housed in a fiberglass protective NEMA4X enclosure, the media converter is rated Class I Division 2 for Groups A, B, C, and D, and ATEX Class 1 Zone 2.



Specifications

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX/100BaseFX IEEE 802.3x Flow Control and Back-Pressure	Auto-learning	2K address table
Connectors	Fiber: SC (Multi-Mode, 2Km) 2 RJ-45 Sockets: CAT-3,4,5 (10/100Mbps) Twisted Pair Cable; Auto MDI/MDI-X & Auto-Negotiation Function Support	Packet Buffers Memory	128Kbytes
Switch Architecture	Store and forward, non-blocking	Voltage Req.	100 -240VAC
Fiber Parameters	Fiber core: Multi-Mode (62.5/125um, 50/125um) Wavelength: 1310nm Fiber Distance: Multi-Mode Fiber 2Km	Power Consumption	4.8 Watts
Filtering and Forwarding Rate	100Mbps ports: 148,800 pps max 10 Mbps ports: 14,880 pps max.	Dimensions	9.5" x 11.5" x 4.5"
		Weight	7.5 lbs
		Operation Temperature	-25° C to 60° C (-13° F to 140° F)
		Operation Humidity	5% to 95% (Non-condensing)
		Safety	UL/CSA and IEC 60079-15 Class I Division 2, Groups A, B, C, D; ATEX Class 1 Zone 2