

FOC-300

Fiber Optic Converter Switch

The FOC-300 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-300 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-300 has redundant requires 110VAC. 12VDC, 24VDC, and 48VDC versions are available. It includes relay alarm output for port link failure and built-in link loss forwarding technology. The FOC-300 also features auto-negotiation speed, full/half duplex modes, and IEEE 802.3x flow control support. Housed in a protective NEMA4 enclosure.



Specifications

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX/100BaseFX IEEE 802.3x Flow Control and Back-Pressure	Power	Input Voltage: 110VAC
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	Power Consumption	4.8 Watts
Switch Architecture	Store and forward, non-blocking	Dimensions	3.5" x 3.0" x 1.0"
Fiber Parameters	Fiber core: Multi-Mode (62.5/125um, 50/125um) Wavelength: 1310nm Fiber Distance: Multi-Mode Fiber 2Km	Weight	1.25 lbs
Filtering and Forwarding Rate	100Mbps ports: 148,800 pps max 10 Mbps ports: 14,880 pps max.	Operation Temperature	-25° C to 60° C (-13° F to 140° F)
Auto-learning	2K address table	Operation Humidity	5% to 95% (Non-condensing)
Packet Buffers Memory	128Kbytes	Safety	UL listed (UL60950), cUL, CE, Emissions meet FCC Part 15, Class A. NEBS L3 and ETSI compliant IEEE 1613 Env. Std for Electric Power Substations IEC61850 EMC and Operating Conditions Class C for Power Substations