



# Single Channel Digital Video Transmission System With Bi-Directional Audio and Two Bi-directional Contact Closures For Aiphone AXW-AVT/R Video / Intercom Systems

## **FEATURES:**

- Compatible with NTSC; RS-170A & RS-343A, PAL, and SECAM
- 10 Bit Digital Video Transmission
- Diagnostics: Video, DC Power, Audio, and Contact Closure Activity, Digital Frame Sync, and Optical Presence
- Serial Digital Transmission
- Available with Enhanced "Afinety" Intelligent Monitoring System

# **SPECIFICATIONS:**

### Video:

I/O Level	1 Vpp
I/O Impedance	
Bandwidth	7 MHz
Differential Gain	2%
Differential Phase	0.7 °
SNR	65 dB
Connector	BNC

### Audio:

I/O Level @ 600 Ohms:	0 dBm
Bandwidth	20 Hz to 20 KHz
THD @ 1 KHz	
SNR	81 dB
Connector	Terminal Block

## **Contact Closure:**

Input	Switch Closure to Ground
Output	Dry Contact
Response Time	2 ms
Maximum Voltage	100 VDC or Peak AC
Maximum Current	0.5 amp
Connector	Terminal Block

### Optical:

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Wavelength	. 1310/1550 nm
Loss Budget (62.5/125µ)	12 dB
Maximum Transmission Distance	4 Km
Connector	ST

# Temperature (Operating):

-40°C to +75°C, non-condensing

# Power Supply:

Module - 12 VDC (AFI Part #: PS-12D) Rack Card (See AFI Part #: SR-20D/2)

### Size:

Module - 8 " x 4 " x 1 " Rack Card - 6½" x 1" x 5"

# Ordering information:

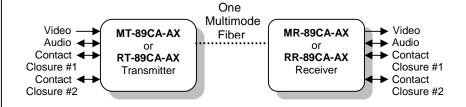
MT-89CA-AX = Module Transmitter RT-89CA-AX = Rack Card Transmitter MR-89CA-AX = Module Receiver RR-89CA-AX = Rack Card Receiver



The American Fibertek 89CA-AX Series is designed to interface with the Aiphone AXW-AVT/R video / intercom system. The 89CA-AX Series transmits one channel of high-quality, 10 bit digitized video along with one channel of bi-directional audio, and two channels of bi-directional contact closure on one multimode optical fiber.

Designed to be completely transparent to all camera and monitor manufacturers, the system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. The "Afinety" remote monitoring system is available on this product, please consult factory.

Equipment may be ordered as stand alone modules or rack cards that are mounted in SR-20D/2 or SR-20R/1 American Fibertek Card Cages.



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