

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 Level1 Vpp
I/O Impedance.....	75 Ohms
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 KHz003%
SNR.....	81 dB
Connector.....	Terminal Block

Contact Closure:

Input	Switch Closure to Ground
Output.....	Dry Contact
Response Time2 ms
Maximum Voltage	100 VDC or Peak AC
Maximum Current.....	0.5 amp
Connector.....	Terminal Block

Optical:

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.

