946C SERIES MULTIMODE

FOUR-CHANNEL DIGITAL VIDEO & MULTI-PROTOCOL RS485/RS422/RS232/MANCHESTER & CONTACT CLOSURE SYSTEM

Features:

- Compatible with NTSC, (RS − 170A & RS −343A), PAL and SECAM
- Diagnostics: Video, Data, OLI, DC Power and Digital Frame Sync
- Automatic Resettable Fuses on Power Lines
- ♦ RS485/422/232 Two Way Data
- ◆ Real Time Video Transmission
- ◆ Serial Digital Transmission

Specifications:

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I/0 Level	1 Vp-p (±3 dB)
I/0 Impedance	75 Ohms
Bandwidth	7 MHz
Differential Gain	2 %
Differential Phase	0.7 °
SNR (Unified Weighted)	55 dB
Connector	BNC

Data:

Interface485(2 or	· 4 Wire)/RS422/RS232
Data Format	Asynchronous, Serial
Data Rate	DC to 115 Kbs
Connector	.5 Pin Screw Terminals

Contact Closure:

Input	Switch Closure to Ground
Output	Dry Contact
Response Time.	2 mS
Max Voltage	100 VDC or Peak AC
Max Current	0.5 A
Connector	Terminal Block

Optical

Wavelength	. 1310/1550 nm
Loss Budget (62/125µ)	12 dB
Maximum Distance	2 Km
(Limited by Fiber Dispersion)
Connector	ST.

Environmental

Operating Temp	40°C to +75°C
Storage Temp	40°C to +85°C
Humidity0% to 95%	(non condensing)
MTBF	>100,000 hours

Power Supply:

Module: 12 VDC (AFI Part#: PS-12D)

Rackcard: SR20/2

Size:

Ordering information:

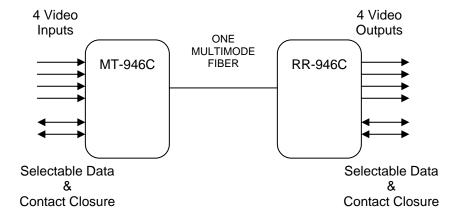
Example: MT-946C to RR-946C



The American Fibertek 946C Series transmits four channels of high-quality 10 bit digitized video and one channel of multi-protocol data (RS485 (2 wire or 4 wire) or RS422 or RS232 or Manchester) and a bi-directional contact closure on one multimode optical fiber at 1310 and 1550nm.

Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. The "Afinety" intelligent 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 the American Fibertek Card Cages: SR-20/2 or SR-20H/2 (with redundant power supplies).



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