91P088 SERIES

MULTIMODE SINGLEMODE

Single Channel Digital Video Transmission System
With Two Bi-Directional Audio Channels

afi

FEATURES:

- Compatible with NTSC; RS-170A & RS-343A, PAL, and SECAM
- 10 Bit Digital Video Transmission
- Diagnostics: Video, DC Power, Audio 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	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 (typ)
I/O Level @ 600 Ohms:	.14 dBm (max)
Bandwidth	20 Hz to 20 KHz
THD @ 1 KHz	0.03%
SNR	95 dB @ 14 dBm
Connector	Terminal Block

Optical (91P088 Series):
Wavelength	1310/1550 nm
Loss Budget (62.5/125µ)	12 dB
Maximum Transmission Distance	4 Km
Connector	ST

Optical (91P088SL Series):
Wavelength	1310/1550 nm
Loss Budget (9/125µ):	21 dB
Connector	FC/PC

Temperature (Operating):
-40°C to +75°C, non-condensing

Power Supply:
Module - 12 VDC (AFI Part #: PS-12D)
  Power Consumption ....6 Watts
Rack Card (See AFI Part #: SR-20D/2)
  Power Consumption ....6 Watts

Size:
Module - 8$\frac{1}{8}$" x 4$\frac{1}{8}$" x 1$\frac{1}{8}$"
Rack Card - 6$\frac{1}{2}$" x 1" x 5"

MULTIMODE ORDERING INFORMATION:
MT-91P088 = Module Transmitter
RT-91P088 = Rack Card Transmitter
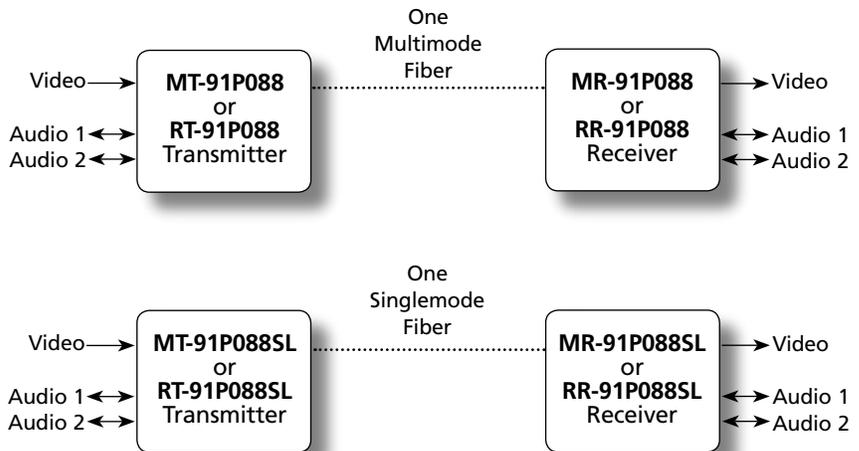MR-91P088= Module Receiver
RR-91P088 = Rack Card Receiver

SINGLEMODE ORDERING INFORMATION:
MT-91P088SL = Module Transmitter
RT-91P088SL = Rack Card Transmitter
MR-91P088SL= Module Receiver
RR-91P088SL = Rack Card Receiver

The American Fibertek 91P088 Series transmits one channel of high-quality, 10 bit digitized video along with two channels of bi-directional audio on one multimode optical fiber. The 91P088SL Series transmits one channel of high-quality, 10 bit digitized video along with two channels of bi-directional data on one singlemode 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.