



MERIDIAN
TECHNOLOGIES

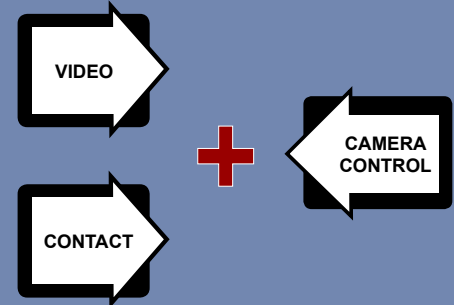
FT/FR-1U1C/1M-x FT/FR-1U1C/1M-x

DigiCool™



EXTENDED RANGE CAMERA CONTROL

Digitally Encoded One 10-Bit 10MHz Video
with One Simplex Contact Closure
and One Return Channel of Pelco® Coaxitron
or Panasonic® Up-the-coax Control Data



FEATURES

- One Digitally Encoded 10-bit 10 MHz Video Signal with One Integrated Pelco® Coaxitron or Panasonic® Up-the-coax PTZ Camera Control
- Model supports both Pelco® Coaxitron and Panasonic® Up-the-coax PTZ Camera Control
- 10 MHz Video Bandwidth
- PTZ Camera Control is Time Base Corrected
- Meets RS-250C Short Haul Transmission Specifications
- NTSC, PAL, SECAM Compatible
- One User-selectible, Contact Mapping (N.O., N.C.)
- Wide Optical Dynamic Range: Eliminates Need For Optical Attenuators
- Laser Based Systems for Multimode and Singlemode
- Surface Mount Technology (SMT) for High Reliability and Repeatability
- SpectraSmart™ PC Based Network Management
- SpectraView™ Fault / Setup Firmware
- Local LED Status Indicators to Monitor Critical System Diagnostics for Performance Parameters
- ST, FC Optical Connector
- Hot Swappable Cards
- Laser Back - Biased Photo Detector Circuitry for Stable Optical Output Over Full Temperature Range
- 75 Ohm BNC Video Connector (Gold Center Pin)
- Meets EIA RS-170, RS-343A Formats
- Screw Terminals Type Connector for Contact Closure

DESCRIPTION

The FT/FR-1U1C/1M-x series fiber optic transmission system that takes advantage of Meridian's new digital encoding technology transmits following signals:

1. One real-time, high quality, 10-bit 10 MHz video
2. One simplex contact closure
3. One integrated Pelco® Coaxitron or Panasonic® Up-the-coax PTZ camera control data

Time Base Correction feature provides transmission distances:

- up to 3Km for multimode
- up to 50Km for singlemode

Both, multimode and singlemode, one fiber versions are available.

The Contact Closure channel can be configured as either Normally Open (N.O.) or Normally Closed (N.C.).

The functionality of FT/FR-1U1C/1M-x series is further enhanced by its compatibility with Meridian's PC based SpectraSmart, Network Management and Remote Diagnostic Software System. SpectraSmart supervises the operating parameters of the transmission system such as status on video levels, sync, carrier detect, voltage, temperature, optical levels, data present etc. See the SpectraSmart brochure for more details.

CONFIGURATIONS

The DigiCool products are available as rack mount cards that can be installed in Meridian's card chassis, desk chassis and 19" racking frames. This system can be configured in either star (module to rack) or trunking (rack to rack) configurations. These systems can be made a standalone system by using the SR-500, 1 slot desk / wall mount chassis (87VAC-264VAC).

MARKETS

- ✓ Security and Surveillance
- ✓ Intelligent Transportation System (ITS)
- ✓ Access Control Systems
- ✓ Campus Lecture Networks

