

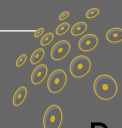
**PELCO**

PELCOFIBER DIGITAL FIBER OPTIC TRANSMISSION



PROTECTING

PEOPLE AND PROPERTY IN A  
MILLION LOCATIONS WORLDWIDE



**PelcoFiber™**  
Solutions for the Long Run

# FOR RELIABLE VIDEO/DATA COMMUNICATIONS, PELCOFIBER SOLUTIONS FOR THE LONG RUN.

TODAY'S SECURITY PROFESSIONALS ARE CHALLENGED BY AN EVER-INCREASING NUMBER OF INSTALLATIONS WHERE QUALITY, BANDWIDTH AND DISTANCE REQUIREMENTS ARE SIMPLY BEYOND THE REACH OF STANDARD COAXIAL AND CAT5 TRANSMISSION CAPABILITIES. WE FEEL THAT THE VERY HIGH LEVEL OF RELIABILITY AND PERFORMANCE BEING DEMANDED OF DIGITAL NETWORKS AND SITE-TO-SITE COMMUNICATIONS SYSTEMS REQUIRED A FRESH LOOK AT TRANSMISSION TECHNOLOGIES. FOR THESE REASONS PELCO IS PROUD TO INTRODUCE THE PELCOFIBER SERIES FIBER OPTIC TRANSMISSION SYSTEM FOR VIDEO AND DATA.

WITH PELCOFIBER, PELCO OFFERS AN ALL-DIGITAL, 8-BIT VIDEO/DATA TRANSMISSION SOLUTION SPECIFICALLY DESIGNED TO ACCOMMODATE THE HIGH-QUALITY, HIGH-BANDWIDTH, HIGH-RELIABILITY REQUIREMENTS OF SECURITY SYSTEMS. AND TO MAKE IT EVEN BETTER, PELCOFIBER™ TRANSMITTER/RECEIVER UNITS ARE COMPATIBLE AND CAN BE EASILY/QUICKLY SET TO WORK WITH THE INDUSTRY'S MOST POPULAR PROTOCOL TRANSMISSION FORMATS. FOR RELIABLE VIDEO/DATA COMMUNICATIONS, PELCO AND PELCOFIBER SOLUTIONS FOR THE LONG RUN.

# WHERE QUALITY, EFFICIENCY AND A ROBUST OPTICAL BUDGET COME TOGETHER.

## GOING THE DISTANCE

With coaxial systems, video/data signals begin to degrade when transmitted beyond just 300 meters. But with PelcoFiber, we offer exceptional 20dB optical budget, and can easily transmit multimode video/data for as far as 4 kilometers with no loss of image clarity or quality, and no amplifiers. Pelco engineers chose to utilize the full capability of a 1310nm wavelength to transmit video which allows PelcoFiber to go the distance. Most other systems only transmit video on a 850nm wavelength, greatly reducing your optical budget. PelcoFiber offers an all-digital, 8-bit video/data transmission solution, not an AM or FM signal which degrades quickly. PelcoFiber units exceed all requirements for the RS-250C Medium Haul Transmission Specification.

## INDUSTRIAL-STRENGTH COMPATIBILITY

PelcoFiber transmitter/receiver units are compatible with and can be quickly set to work with the industry's most popular protocol transmission formats via a simple back-panel selector, including compatibility with RS-232, RS-422, RS-485 (2-wire and 4-wire), Bi-Phase, and Manchester<sup>®</sup> protocol communications systems. And for the ultimate in video system integration, we offer a PelcoFiber plug-in module for Spectra III positioning systems, offering extremely easy/efficient RS-422/Coaxitron integration.

## EFFICIENCY BY DESIGN

PelcoFiber transmitters and receivers make use of an efficient universal design, allowing in most cases for units to function as a stand-alone product, or to be mounted within a standard rack system. For the dealer/installer this adds installation flexibility, and helps reduce the need to order and stock redundant units. Additionally, Pelco offers "high-density" 4-camera modules that fit the power of four transmitter/receiver units within the same space of a standard single unit. And, of course, we offer Single-mode and Multi-mode versions of each PelcoFiber product, allowing for the ultimate in installation/application efficiency.

## MORE POWER TO YOU

Pelco engineers have taken a new look at the installation of PelcoFiber units as well. By designing a easy-to-use rack mount system, available with stand-alone or integrated power supplies, PelcoFiber units can be mix/matched within a complete system for maximum flexibility and space efficiency. And each PelcoFiber transmitter/receiver unit has a complete set of LEDs for displaying signal strength, power, and video/data status. In addition, each Pelco fiber module comes with a universal plug-in power supply for stand alone applications.

## THE ULTIMATE PROTECTION

With fiber optic transmission offering immunity to virtually all types of electromagnetic and radio interference — including lightning — and a longer performance life than coax or copper wiring, there's only one way to offer added protection to this already great system. Pelco leads the industry with a level of service and support that no other company can match. With Off-the-Shelf Product Availability, Guaranteed Ship Dates, 24-Hour Service & Repair Guarantees, and around the clock Person-to-Person technical support... no one even comes to matching the value of the PelcoFiber system.



#### SINGLE-CHANNEL, DIGITALLY ENCODED VIDEO

The FT8301/FR8301 Series of fiber transmitters and receivers provides the ability to transmit one composite video channel over a fiber optic cable. Available in multimode and single-mode versions, the FT8301 transmitter and the FR8301 receiver use one optical fiber for the transport of video. Modular in design, the FT8301 transmitter can be used as a standalone module. The FR8301 receiver, which is standard in size, can be rack mounted or can be used as a standalone module.



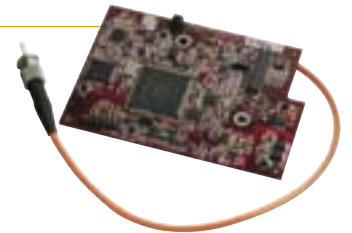
#### SINGLE-CHANNEL, DIGITALLY ENCODED VIDEO WITH BI-DIRECTIONAL DATA

The FT85011/FR85011 Series of fiber transmitters and receivers provides the ability to transmit one unidirectional composite video channel and one bidirectional data channel over a single fiber. Available in multimode and single-mode versions, the FT85011 transmitter and the FR85011 receiver use one optical fiber for the transport of video and data. Supported data protocols include RS-232, RS-422, RS-485 (2-wire/4-wire), Manchester, Bi-Phase, and Coaxitron.



#### CONVENIENT SPECTRA III PLUG-IN INTEGRATION

Designed for quick and easy installation into the back box of the Spectra III dome, the FS85011 Series of fiber transmitters sends one unidirectional composite video channel and one bidirectional data channel over a fiber optic cable. Available in multimode and single-mode versions, the FS85011 transmitter uses one optical fiber for the transport of video and data. Additionally, this simple to use plug-in transmitter allows for either RS-422 or Coaxitron control of Pelco Spectra III dome positioning systems. The protocol is easily jumper-selected on the plug-in board itself. The FS85011 transmitter is compatible with the FR85011 receiver.



## ADDITIONAL FEATURES

### FOUR-CHANNEL, DIGITALLY ENCODED VIDEO

The FT8304/FR8304 Series of fiber transmitters and receivers provides the ability to transmit up to four composite video channels over a single fiber optic cable. Available in multimode and single-mode versions, the FT8304 transmitter and the FR8304 receiver use one optical fiber for the transport of video. Modular in design, the FT8304 and FR8304 units can be rack-mounted or can be used as standalone modules.



### FOUR-CHANNEL, DIGITALLY ENCODED VIDEO WITH BI-DIRECTIONAL DATA

The FT85041/FR85041 Series of fiber transmitters and receivers provide the ability to transmit up to four unidirectional composite video channels and one bidirectional data channel over a fiber optic cable. Available in multimode and single-mode versions, the FT85041 transmitter and the FR85041 receiver use one optical fiber for the transport of video and data. Supported data protocols include RS-232, RS-422, RS-485 (2-wire/4-wire), Manchester, and Bi-Phase. Modular in design, the FT85041 and FR85041 units can be rack-mounted or can be used as standalone modules.



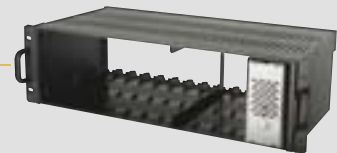
### SINGLE-CHANNEL, BI-DIRECTIONAL DATA

The FT8101/FR8101 Series of fiber transceivers transmits and receives a single channel of bidirectional control data over a fiber optic cable. Available in multimode and single-mode versions, the FT8101/FR8101 supports RS-232, RS-422, RS-485 (2-wire/4-wire), Manchester, and Bi-Phase data protocols. Modular in design, the FT8101/FR8101 transceivers can be rack-mounted or can be used as standalone modules.



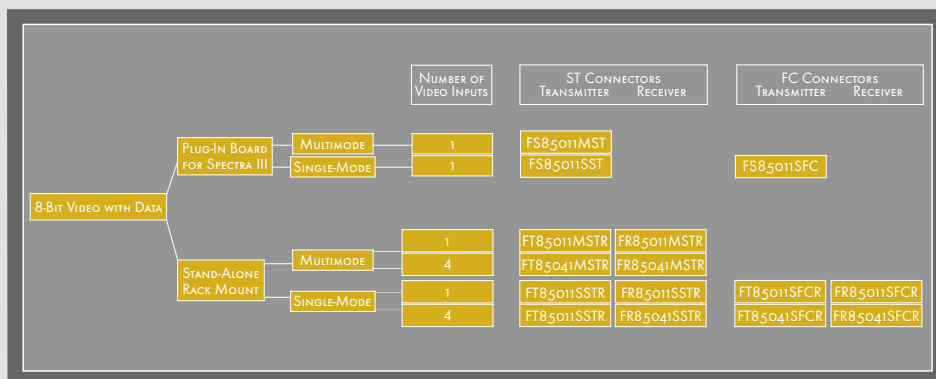
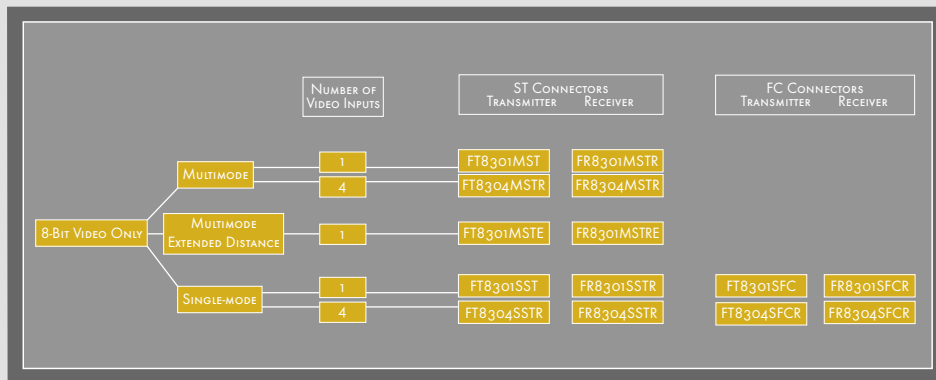
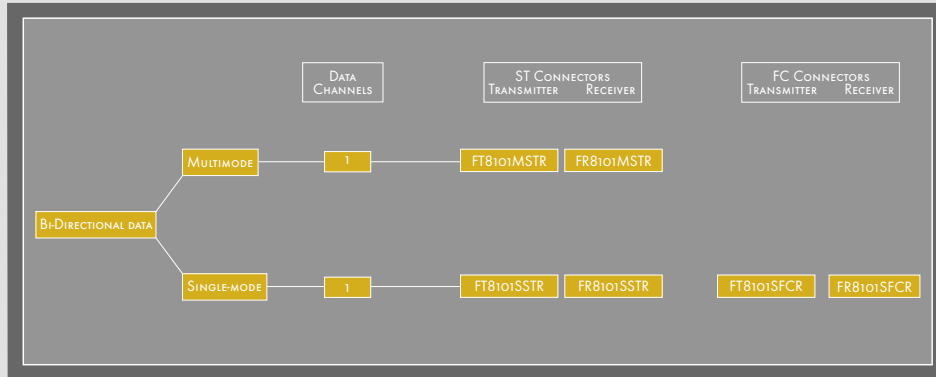
### OPTIONAL ACCESSORIES

WM5001-3U	Wall mount base kit for single-width module
WM5001-3UEXP	Wall mount expansion kit for single-width module
WM5002-3U	Wall mount base kit for double-width module
WM5002-3UEXP	Wall mount expansion kit for double-width module
RK5000-3U	19-inch (48.26 cm) rack mount chassis for 14 slots (no power)
RK5000PS-3U	19-inch (48.26 cm) rack mount chassis for 12 slots with power
EPS5000-120	External power supply, IRU, 120w x 2
RK5001B-3U	Blank filler panel, single width
RK5002B-3U	Blank filler panel, double width



## MODEL NUMBER SELECTION GUIDE

Choose from a wide range of Pelco fiber optic transmitters and receivers to best fit your application.



PELCO WORLDWIDE HEADQUARTERS

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CLOVIS, CALIFORNIA 93612 USA

800/289-9100

800/289-9150 Fax

559/292-1981 INTERNATIONAL

559/348-1120 INTERNATIONAL FAX

PELCO.COM

WORLDWIDE LOCATIONS:

UNITED STATES

CANADA

UNITED KINGDOM

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SINGAPORE

SPAIN

SCANDINAVIA

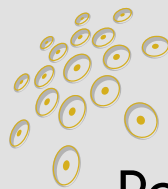
FRANCE

MIDDLE EAST

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