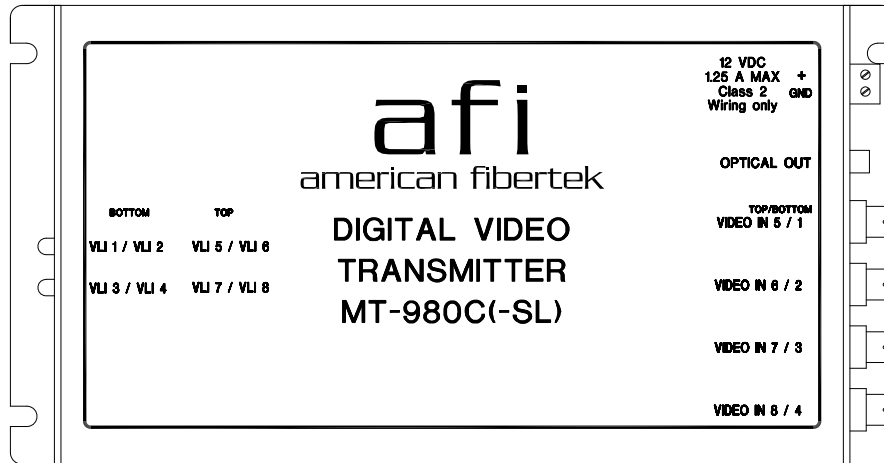


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120 Belmont Drive
Somerset, NJ 08873-1204

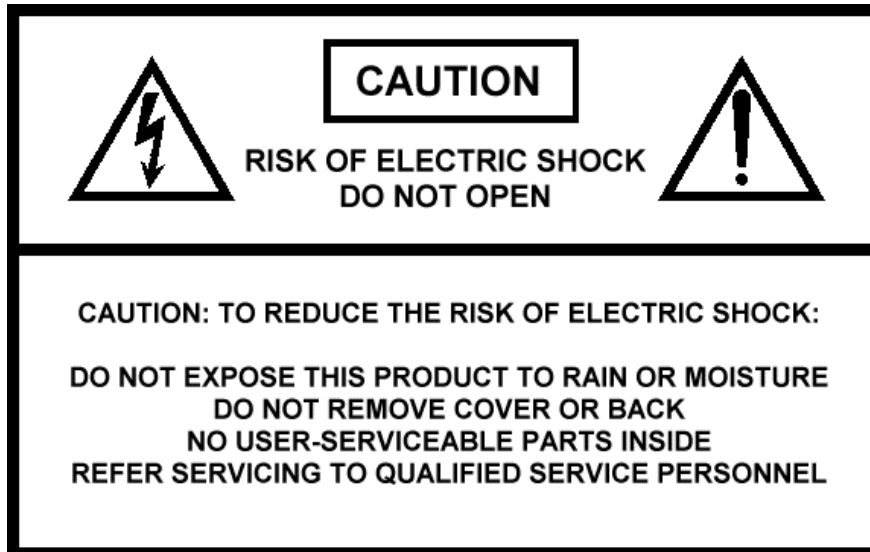
american fibertek

Phone: 732.302.0660 Fax: 732.302.0667



Instruction Manual

MT-980C-SL Eight Channel Video Transmitter



**This unit complies with 21 CFR
1040.10 and 1040.11**

INSTALLATION AND OPERATION INSTRUCTIONS

INTRODUCTION

Thank you for purchasing your American Fibertek MT-980C-SL singlemode eight channel video transmitter. Please take a few minutes to read these installation instructions in order to obtain the maximum performance from this product.

FUNCTIONAL DESCRIPTION

The MT-980C-SL operates as half of a transmitter / receiver pair for the transmission of eight channels of high performance 10 bit digital NTSC, PAL, RS170, or RS343 video signals. The MT-980C-SL is designed to operate with the MR or RR-980C-SL video receiver over one singlemode fiber optic cable. The 980C-SL Series product is designed to operate over an optical loss budget range of 0 to 15 dB. Refer to the data sheets for detailed performance specifications.

INSTALLATION

THE INSTALLATION OF THIS UNIT SHOULD BE MADE BY A QUALIFIED SERVICE PERSON(S) AND MUST CONFORM TO ALL LOCAL CODES.

POWER SOURCE

THIS PRODUCT SHALL BE POWERED BY A LISTED CLASS 2 POWER SUPPLY ONLY.

This unit requires a +12VDC power source with a current rating of 1.25amps for proper operation. The DC input is diode protected. The negative side of the power input is directly connected to ground. ANSI/NFPA 70 Class 2 wiring is recommended. An American Fibertek PS-12D is supplied with this unit.

POWER CONNECTION

Power is supplied to the unit via a two pin terminal connector on the right side of the unit. Follow the label on the unit for proper orientation of +12 volt dc and ground.

FIBER CONNECTION

The fiber optic connection is made via a FC/PC connector located on the right side of the unit. Be sure to allow sufficient room for the required minimum bend radius of the fiber cable used.

VIDEO INPUT CONNECTIONS

The video input connections are made via BNC connectors on the right side of the unit. The video input should be connected to an appropriate 75Ω baseband video source such as a camera or a video recorder output. For optimum performance the video cables should be the shortest length of coax practical

MT-980C-SL STATUS INDICATORS

The MT-980C-SL transmitter provides the LED status indicators to aid in installation and troubleshooting:



VIDEO 1 THROUGH VIDEO 8

A bi-color LED indicator is provided for each of the eight video inputs of the MT-980C-SL. DC power and video status associated with each of these LED's are summarized below.

Video Presence LED	DC Power Status	Video Status
Green	On	Proper Input Video Present
Red	On	Input Video Not Detected
Off	Off	Check Power Supply

LIFETIME WARRANTY INFORMATION

American Fibertek, Inc warrants that at the time of delivery the products delivered will be free of defects in materials and workmanship. Defective products will be repaired or replaced at the exclusive option of American Fibertek. A Return Material Authorization (RMA) number is required to send the products back in case of return. All returns must be shipped prepaid. This warranty is void if the products have been tampered with. This warranty shall be construed in accordance with New Jersey law and the courts of New Jersey shall have exclusive jurisdiction over this contract. **EXCEPT FOR THE FOREGOING WARRANTY, THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, EXPRESSED OR IMPLIED, WHICH EXTENDS BEYOND THE WARRANTY SET FORTH IN THIS AGREEMENT.** In any event, American Fibertek will not be responsible or liable for contingent, consequential, or incidental damages. No agreement or understanding, expressed or implied, except as set forth in this warranty, will be binding upon American Fibertek unless in writing, signed by a duly authorized officer of American Fibertek.

SERVICE INFORMATION

There are no user serviceable parts inside the unit.

In the event that service is required to this unit, please direct all inquiries to:

American Fibertek, Inc.
120 Belmont Drive
Somerset, NJ 08873

Phone: (877) 234-7200

Phone: (732) 302-0660

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