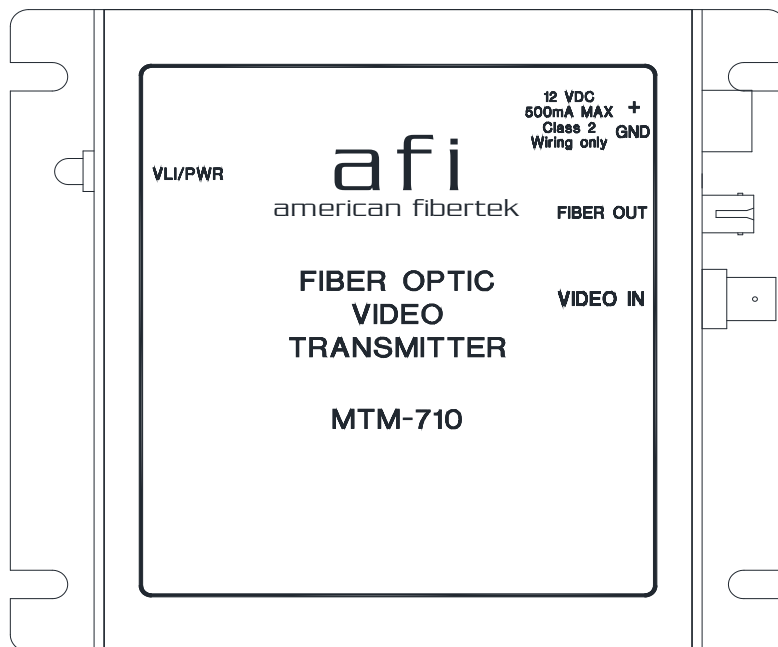


# afi

120 Belmont Drive  
Somerset, NJ 08873-1204

american fibertek Phone: 732.302.0660 Fax: 732.302.0667



## Instruction Manual

### Series-M710/M720 Video Links

# INSTALLATION AND OPERATION INSTRUCTIONS

## INTRODUCTION

Thank you for purchasing your American Fibertek Series M710/M720 Series video link. Please take a few minutes to read these installation instructions in order to obtain the maximum performance from this product.

## FUNCTIONAL DESCRIPTION

The Series M710 transmitter converts a single NTSC video input signal into an optical output using a 1310 nm wavelength source. The Series M710/M720 receiver converts a single optical input into an NTSC video output using a 1310 nm detector. The M710/M720 Series is available in either singlemode or multimode and with a choice of SC or ST optical connectors.

The Series M710 is a single channel transmitter and receiver and is available as a modular stand alone unit and a rack mounted version.

The Series M-720 is a two channel transmitter and receiver and is available in a rack mounted package.

## INSTALLATION

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

Mount the unit to a secure surface using #8 (3mm) hardware in four places. See the drawing on the next page for mounting dimensions. Be sure to allow sufficient room for the required minimum bend radius of the fiber cable used.

## POWER SOURCE

This module unit requires a +12VDC power source for proper operation. The DC input is diode protected. In the USA and in Canada an American Fibertek PS-12 is supplied with this unit. The negative side of the power input is directly connected to ground. ANSI/NFPA 70 Class 2 wiring is recommended. Power is supplied to the unit via a two pin terminal connector. Follow label on unit for proper orientation of +12 volt dc and ground.

The rackcard is powered from a subrack. Refer to the SR-20 and PSR-2 instructions for further details.

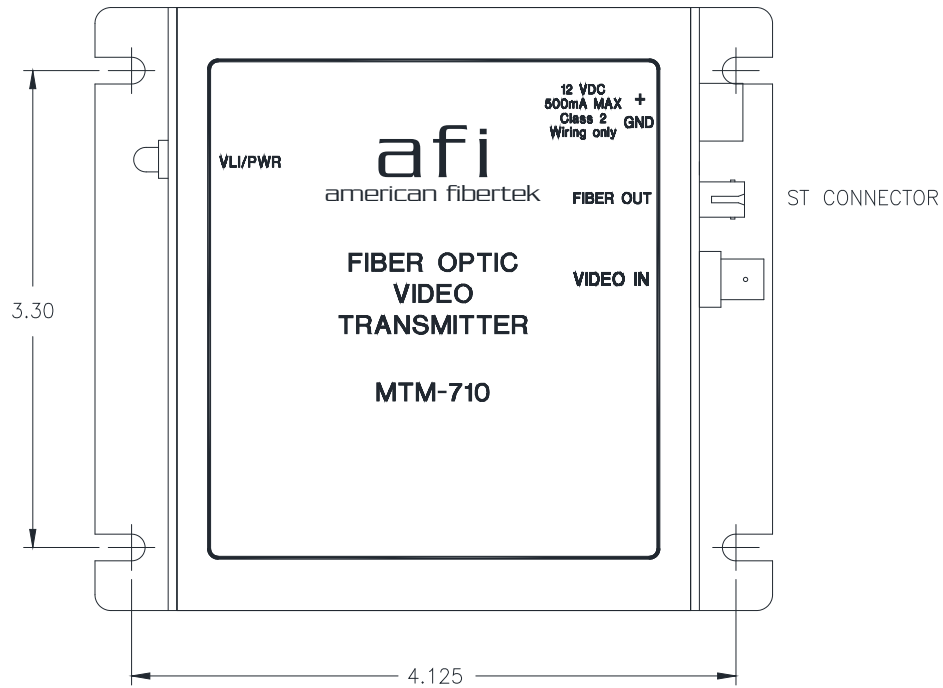
## FIBER CONNECTION

The fiber optic connection is made via an SC or ST optical connector.

## VIDEO INPUT / OUTPUT CONNECTIONS

The video input/output connections are made via 75 ohm BNC connectors. For optimum performance the shortest length of coaxial cable practical should be used.

The Series M710 module is shown below:



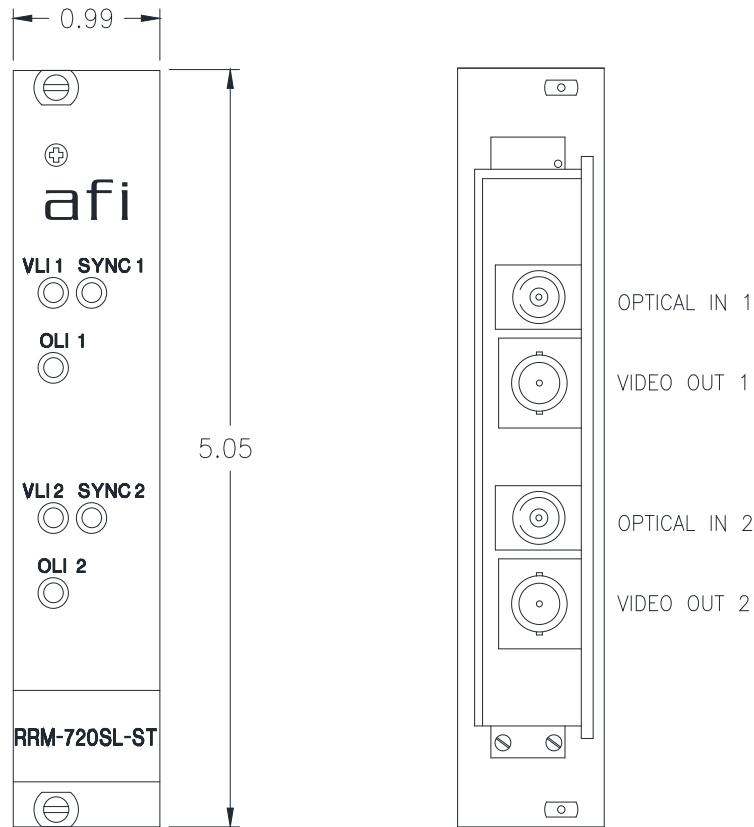
### Series M710 Module Transmitter Status Indicator

The Series M710 module provides the following LED status indicator to aid in installation and troubleshooting:

#### VLI/PWR

- Green : Indicates DC power is on and the video input signal is present.
- Red : Indicates DC power is on and the video input signal is not present.
- Off : Indicates DC power is not present.

The Series M720 rack card is shown below:



### Series M710/M720 Rackcard Receiver Status Indicators

The Series M910/M920 rackcard provides the following LED status indicators to aid in installation and troubleshooting:

#### OLI

- Green : Indicates DC power is on and the optical input power is within the acceptable range.
- Red : Indicates DC power is on and the optical input power is not within the acceptable range.
- Off : Indicates DC power is not present

#### VLI

- Green : Indicates DC power is on and the video output signal is present.
- Red : Indicates DC power is on and the video output signal is not present.
- Off : Indicates DC power is not present.

#### OLI

- Green : Indicates DC power is on and the video output signal is properly synchronized.
- Red : Indicates DC power is on and the video input signal is not properly synchronized.
- Off : Indicates DC power is not present.

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

#### 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

FAX (732) 302-0667

E-mail: [techinfo@americanfibertek.com](mailto:techinfo@americanfibertek.com)