



**M301CE  
SERIES  
MULTIMODE**

**Single Channel FM Video Transmission System  
Low Profile**

**FEATURES:**

- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- Full Color Transmission
- Small Profile
- PFM Video Transmission

**SPECIFICATIONS:**

**Video:**

I/O Level..... 1 Vpp  
 I/O Impedance..... 75 Ohms  
 Bandwidth ..... 8 MHz  
 Differential Gain..... 5%  
 Differential Phase ..... 5°  
 SNR ..... 60 dB  
 Connector..... BNC

**Optical:**

Wavelength ..... 1310 nm  
 Loss Budget (9/125μ)..... 12 dB  
 Connector..... ST

**Temperature (Operating):**

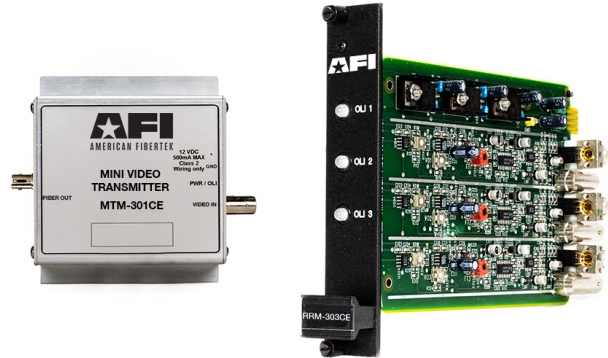
-40°C to +74°C, non-condensing

**Power Supply:**

Stand Alone - 12 VDC@500mA..... AFI Part #: PS-12  
 Power Consumption..... 2.5 Watts  
 Rack Card Power Consumption  
 M-301CE ..... 2.5 Watts  
 M-302CE ..... 4.8 Watts  
 M-303CE ..... 7.2 Watts

**Size:**

Low Profile Stand Alone..... 3 1/8" x 3.5" x 1 1/8"  
 Rack Card..... 6 1/2" x 1" x 5"



The American Fibertek M-301CE Series transmits one channel of high- quality FM video on one multimode optical fiber. All units operate at 1310 nm for extended range applications and are compatible across the series.

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.

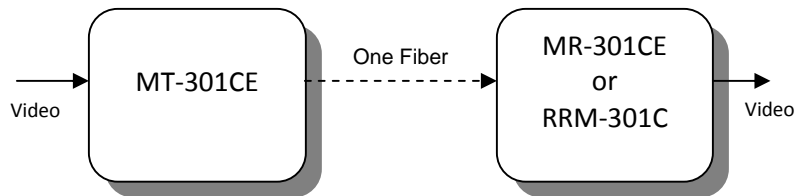
The M-301CE Series may be ordered as stand-alone low profile units or rack cards for one or three videos that are mounted in the SR-50/5 or SR-50H/5 American Fibertek Card Cages. Also available is an R3 rack card format for one or two video channels per card.

**ORDERING INFORMATION:**

MTM-301CE	Module Transmitter
MRM-301CE	Module Receiver
RRM-301CE	Rack Card Receiver
RRM-303CE	3 Video Rack Card Receiver
RRM-301CE-R3	R3 Rack Card Receiver
RRM-302CE-R3	R3 2 Video Rack Card Receiver

**Example:**

MTM-301CE transmits to RRM-301C



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