°°°° Opticomm °°°° Opticomm

MMV-110 Micro Micro 1-Channel 15 MHz Video

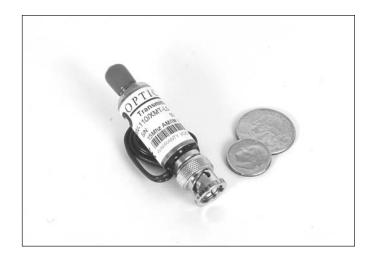
Micro-size One-channel (IM) Video Transmitter

The MMV-110 Micro is an Intensity Modulated (IM), LED-based fiber optic Video transmitter. NTSC, PAL and SECAM compatible, the Micro is ideal for B&W or color CCTV camera transmission.

System Design

The MMV-110 Micro transmitter has a compact, cylindrical casing and features a BNC mount. This unit is also available without the casing, as a hybrid card suitable for soldering. The MMV-110 Micro transmitter is paired with the MMV-110 Standard or Mini receiver, both of which provide Automatic Gain Control (AGC). Please see the MMV-110 Standard or MMV-110 Mini product pages for specific system design features.

The MMV-110 Micro transmitter is also compatible with any of Opticomm's Insert Card receivers, which can be mounted into a Desk Card Rack (DTCR-1, 2, 4 or 7) or the CC-18-80W chassis. This allows for greater flexibility and future expansion. Each of our card housings operates with an appropriate power supply.



Features

- Multimode operation over one fiber
- 15 MHz video bandwidth with AGC
- True DC Restoration
- Flat Frequency Response
- Complies with RS-170, & 170A EIA video standards
- Compatible with NTSC, PAL, and SECAM video signals
- No EMI or RFI and no ground loops
- Stand Alone or Rack Mount
- Ideal for CCTV camera extensions

865	1310	1550	Туре	Mode	Wavelength Suffix	Fiber Type	Output Power	Receiver Sensitivity	Optical Loss Budget	Range*	Conn Type
•			LED	MM	LO	50/125µ 62.5/125µ	-18 dBm	-28 dBm	10 dB	2.5 km	ST

* Chromatic dispersion and additional losses should be taken into account.

Data

Video

Composite Video, Audio & Data

Video

75 Ω

Video in/out impedance Video in/out level Video bandwidth Differential gain Differential phase Linearity Tilt Compatibility Signal to noise ratio Connector type

General

Dimensions & Weight

Operating temperature Storage temperature Humidity Operating voltage Vibration Shock

Diagnostics

Status monitoring

NTSC, PAL, SECAM, RS-170, RS-170A								
>67 dB using RS-250C standards @ 1 km								
BNC								
Micro cylinder: 2.0" L x 0.65 diameter	1 oz							
Hybrid card: 1.8″ L x 0.5″ W	1 oz							
-20° C to +70° C								
-30° C to +85° C								
0 to 95% non-condensing								
12 V _{DC} (200 mA)								

1 volt peak to peak, 1.5 volts max

10 Hz to 15 MHz @ -3dB

< 1.5 % typical

< 1.5° typical

± 1.1 % typical

≤ 0.5 % typical

Up to 5 g's

Up to 12 g's

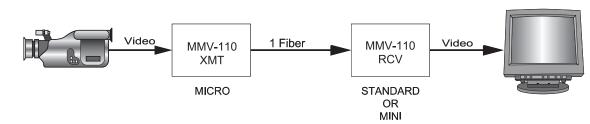
LED indication

YEAR WARRANTY CERTIFIED

FCC PART 15 COMPLIANT

Emissions: FCC Part 15, ICES-003, AS/NZS, 3548, EN55022 Immunity: ENVS0204, EN61000-4-2,3,4,5,6,11 UL1950, CAN/CSA 22.2, NO.950-95 Safety:

MADE IN THE USA



Sample Configuration

SDI & HD-SDI Composite Video, Audio & Data

Optiva[™] Configurable

Network Management

Communication Platform

RGB/VGA/DVI

Audio/FSK/Intercom

Data (Ethernet/Serial/USB)

CATV/RF & L-Band

Optical Switching, Routing & Redundancy

> Passive Multiplexing Solutions

Enclosures, Racks & Frames

> **Power Supplies** & Accessories