

# 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.

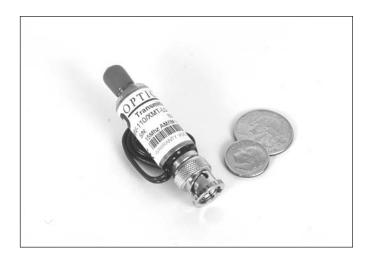
Audio

## 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	Loss Budget	Range*	Conn Type
•			LED	ММ	LO	50/125µ 62.5/125µ	-18 dBm	-28 dBm	10 dB	2.5 km	ST

<sup>\*</sup> Chromatic dispersion and additional losses should be taken into account.

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# Composite Video, Audio & Data

Video

75 Ω Video in/out impedance

> Video in/out level 1 volt peak to peak, 1.5 volts max

Video bandwidth 10 Hz to 15 MHz @ -3dB

< 1.5 % typical Differential gain Differential phase < 1.5° typical Linearity ± 1.1 % typical

> Tilt ≤ 0.5 % typical

Compatibility NTSC, PAL, SECAM, RS-170, RS-170A Signal to noise ratio >67 dB using RS-250C standards @ 1 km

Connector type BNC

General

Dimensions & Weight 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 Operating temperature Storage temperature -30° C to +85° C

> Humidity 0 to 95% non-condensing

Operating voltage  $12 V_{DC} (200 mA)$ Vibration Up to 5 g's Shock Up to 12 g's

**Diagnostics** 

LED indication Status monitoring

Optiva™ Configurable Communication Platform

Network Management

SDI & HD-SDI

Composite Video, Audio & Data

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



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

MADE IN THE USA

## Sample Configuration

