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Video

Audio

Data

Mini-size One-channel (IM) Video Transmission System

The MMV-110 Mini is an Intensity Modulated (IM), LED-based fiber optic Video transmission system with Automatic Gain Control (AGC) and an LED for status monitoring. It is NTSC, PAL and SECAM compatible, ideal for the extension of a B&W or color CCTV camera.

System Design

All units come in a small module form factor. They can sit on a flat surface or can be surface mounted with the flanges provided. The regulated switching power supply has short circuit protection, and an input operating voltage of 85-265 V_{AC}. All MMV-110 Standard, Mini and Micro models are link compatible.



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
- Loss of Signal Alarm

865	1310	1550	Type	Mode	Wavelength Suffix	Fiber Type	Output Power	Receiver Sensitivity	Optical Loss Budget	Range*	Conn Type
•			LED	MM	L0	50/125μ 62.5/125μ	-18 dBm	-25 dBm	7 dB	2.5 km	ST

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

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Opticomm reserves the right to change specifications without notice

Composite Video, Audio & Data

Video

Video in/out impedance	75 Ω
Video in/out level	1 volt peak to peak, 1.5 volts max
Video bandwidth	10 Hz to 15 MHz @ -3dB
Differential gain	< 1.5 % typical
Differential phase	< 1.5° typical
Linearity	\pm 1.1 % typical
Tilt	\leq .05 % typical
Compatibility	NTSC, PAL, SECAM, RS-170, RS-170A
Connector type	BNC

General

Dimensions & Weight	2.25" L x 1.25" W x 0.75" H	3 oz
Operating temperature	-20° C to +70° C	
Storage temperature	-30° C to +85° C	
Humidity	0 to 95% non-condensing	
Operating voltage	12 V _{DC} (200mA) or 24 V _{AC} (300mA)	
Optical Dynamic Range	9 dB	
Vibration	Up to 5 g's	
Shock	Up to 12 g's	

Diagnostics

Status monitoring	LED indication
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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

10 **ISO**
YEAR **9001:2000**
WARRANTY **CERTIFIED**

CE

FCC PART 15
COMPLIANT

MADE IN THE USA

Sample Configuration

