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Video

Audio

Data

One-channel One-way (FM) Video in 10 and 30 MHz Bandwidths

The MMV-120 A and C versions are simplex Video transmission systems with a single channel of Video in either 10-MHz or 30-MHz bandwidth. The MMV-120 is ideal for CGA, EGA or CCTV extensions. Power status is monitored via LED.

System Design

All units come in a small module or Insert Card version. The cards can be inserted into our 18-slot, 19" rackmountable card cage (CC-18), or one of our smaller Desk Top Card Racks (DTCR series).

The Desk Top Card Racks can handle one, two, four, or seven cards, allowing for greater flexibility and future expansion. They can sit on a flat surface as a larger stand-alone unit, or can be surface mounted with the flanges provided. Each one of our card housings operates with an appropriate power supply. The regulated switching power supply has short circuit protection and an input operating voltage of 85-265 V_{AC}.



Rack Mount version into analog chassis is also available.

Features

- Multimode or singlemode operation over one fiber
- 10-MHz or 30-MHz video bandwidth
- True DC restoration
- Flat frequency response
- Complies with RS-170 and RS-170A EIA video standards
- Compatible with NTSC, PAL and SECAM
- No EMI or RFI and no ground loops
- Stand Alone or Rack Mount
- Ideal for CCTV CGA, EGA or CCTV extensions



865	1310	1550	Type	Mode	Wavelength Suffix	Fiber Type	Output Power	Receiver Sensitivity	Optical Loss Budget	Range*	Conn Type
•			LED	MM	L0	50/125μ	-16 dBm	-34 dBm	18 dB	3 km	ST
•						62.5/125μ					
	•		LED	MM	L1	50/125μ	-16 dBm	-34 dBm	18 dB	4 km	ST
	•					62.5/125μ					
		•	Laser	SM	L2	09/125μ	-10 dBm	-36 dBm	26 dB	25 km	FC
		•	Laser	SM	L3	09/125μ	-10 dBm	-36 dBm	26 dB	40 km	FC

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

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 (120-A)	5 Hz to 10 MHz @ -3dB
Video bandwidth (120-C)	5 Hz to 30 MHz @ -3dB
Differential gain	< 1.0 % typical
Differential phase	< 1.0° typical
Linearity	\pm 1.1 % typical
Tilt	\leq 0.5 % typical
Compatibility	NTSC, PAL, SECAM, RS-170, RS-170A
Signal to noise ratio	>67 dB using RS-250C standards @ 1 km
FM carrier frequency	70 MHz
Connector type	BNC

General

Dimensions & Weight	Stand Alone (SA): 3.5" L x 2.3" W x 1.0" H	3 oz
	Insert Card (IC): 6.3" L x 0.8" W x 4.0" H	16 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} (200 mA) or 9-24 V _{AC} (6W)	
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**



FCC PART 15
COMPLIANT

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

MADE IN THE USA

Sample Configuration

