

MMV-120A3/C3 Simplex FM Video

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

simplex Video transmission systems with three channels of Video in either 10-MHz or 30-MHz bandwidth. The MMV-120 is ideal for CGA, EGA or CCTV extensions. Power status

Audio

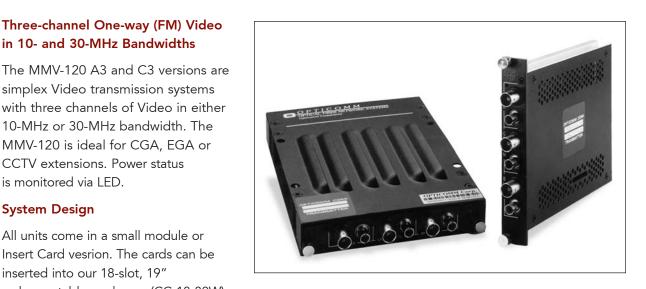
Video

System Design

is monitored via LED.

All units come in a small module or Insert Card vesrion. The cards can be inserted into our 18-slot, 19" rackmountable card cage (CC-18-80W), 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} .



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	Туре	Mode	Wavelength Suffix	Fiber Type	Output Power	Receiver Sensitivity	Loss Budget	Range*	Conn Type
•			LED	MM	LO	50/125μ 62.5/125μ	-16 dBm	-34 dBm	18 dB	3 km	ST
	•		LED	MM	L1	50/125μ 62.5/125μ	-16 dBm	-34 dBm	18 dB	4 km	ST
	•		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.

Ontical

Composite Video, Audio & Data

Video

Video in/out impedance 75Ω

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 ± 1.1 % typical

Tilt ≤ 0.5 % typical

Compatibility NTSC, PAL, SECAM, RS-170, RS-170A
Signal to noise ratio >60 dB using RS-250C standards @ 1 km

FM carrier frequency 150 MHz
Connector type BNC

General

Dimensions & Weight Stand Alone/DTCR-1: 7.16" L x 5.21" W x .94" H 39 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

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





C PART 15

Emissions: FCC Part 15, ICES-003, AS/NZS, 3548, EN55022 Immunity: ENVS0204, EN61000-4-2,3,4,5,6,11

afety: UL1950, CAN/CSA 22.2, NO.950-95

MADE IN THE USA

Sample Configuration

