

MTVI4 / MRVI4



4 CHANNELS DIGITAL VIDEO MULTIPLEXER

TX DIGITAL VIDEO
MTVI4

RX DIGITAL VIDEO
MRVI4

1 Optic Fiber

(-20° a 70°C) Industrial Range



- *4-Channels Digital Video Multiplexer*
- *Compatible with PAL, NTSC and SECAM.*
- *Provides a wide and dynamic range, no needing adjustments. Plug & Play design.*
- *Multimode MM versions allow links up 6 Km or Singlemode SM up 50Km without repeaters.*
- *Link status and video signal for all channels displayed by led.*
- *New design with increased mechanical strength and insulation to work in extreme environmental conditions.*

Modules TM4/RM4 allow link for 4 video channel over one fiber optic multimode or singlemode, depending of model, always in real time for CCTV applications where is needed a high quality image.

Include led signal to verify video signal/link status and making easy a complete installation.

Designed for two mechanical solutions, Rack (Pawal) and Standalone or Din rail.

As every other Adilec product they allow extended temperature range (-20° a + 70°C) and are designed for working under extreme climate conditions.

Transmissor	Receiver	Wavelenght	Connector	Fiber	Máx. loss1
MTVI4 2N11 MTVI4 2N16	MRVI4 2N11 MRVI4 2N16	1310 nm 1 x MM	SC	1x62,5/125 1x50/125	20dB (6Km)
MTVI4 2M11 MTVI4 2M16	MRVI4 2M11 MRVI4 2M16	1310 nm 1 x SM	SC	1x9/125	21dB (50km)

11 = Rack (Pawal) 16 = Standalone/Carril DIN.

(1) Attenuations: 3dB/Km at 850nm and 1dB Km at 1310nm for 62.5/125. For 9/125 0.4dB/km at 1310nm.

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Electric parameters:

Signal Type	4xVideo PALM NTSC
Output Impedance	75 Ohm
Output Voltage	1Vpp+3dB
Video Conector	BNC
Bandwidth	10 Hz – 6 MHz
SNR	65 dB
Sync error	< 5.0 %
Differential gain	< 2.5 %
Differential phase	< 2°
C/L gain	< 5 %
Power consumption	1,4W
Power supply system.	PAWAL, 8Vdc to 24Vdc

Mechanical parameters:

Dimensions MTVI/MRVI 412x11 (Chassis PAWAL)	35.5x129x160 mm Sub-chassis 7TE,3U
Weight	470 gr
Dimensions MTVI/MRVI412x16 (Standalone/ Din Rail)	128x39x160 mm

Environmental parameters:

MTBF	100.000 hours
Storage temperatura range	-55 a 85 °C
Operating temperatura range	-20 a 70 °C
Relative humidity	95% without condensation

Application:

