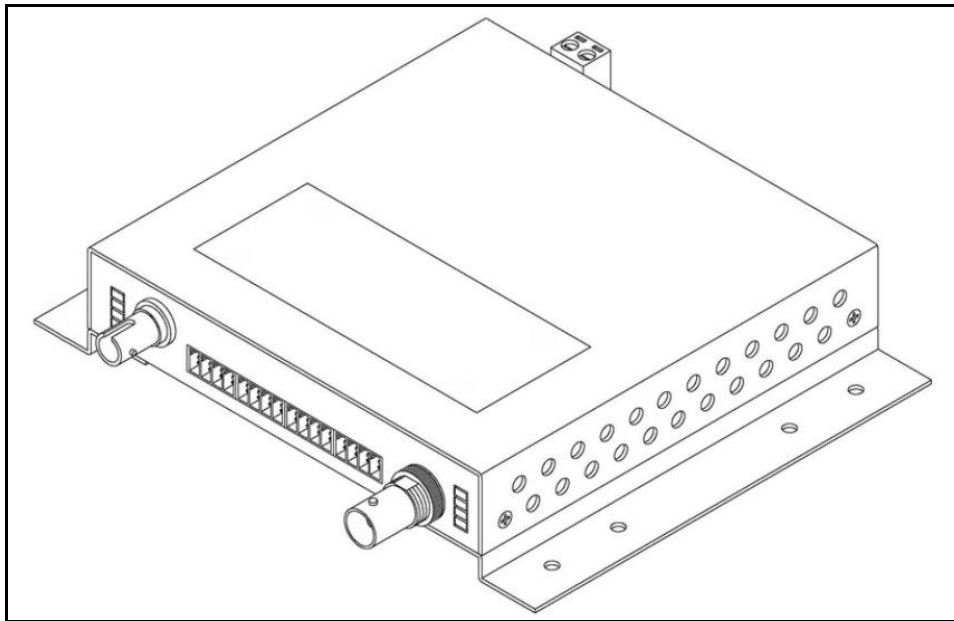


## VDM- VIDEO WITH DIGITAL TRANSMISSION



The OPTRAL series VDM1 allows the transmission of one standard video signal over multimode optical fibre using a digital transmission with high quality coding and decoding. The installation "Plug and Play" makes easier the installation and it does not need any type of adjustment. The basic system consists in one transmitter and one receiver with one optical fibre per transmission channel.

The complete family combines the video transmission with RS485, RS422 or RS232 and audio.

All the models comply with the requirements according to the Electromagnetic Compatibility and Low Tension Standards (CE Marking).

### **FEATURES**

- Multimode Optical Fibre.
- Modular units and Rack cards.
- Optical connectors: ST

### **POWER / TEMPERATURE / SIZE**

- Temperature = -20° ÷ +60°C
- Humidity = 10% ÷ 95%
- 12 Vdc / 1000 mA
- Modular units
  - Box SX = 140 x 129 x 24 mm
- Rack cards = 1 Slot Rack

### **ACCESORIES**

- Modular units:
  - Power supply included
    - Vin: 220v / 50Hz
    - Vout: 12v / 1000mA
- Rack cards
  - Card charge 3.5U (Not included)
  - Power supply (Not included)

### **VÍDEO**

- Impedance IN/OUT : 75 Ω
- Bandwidth = 8 MHz
- Differential Gain < 1,5 %
- Differential phase < 2°
- In/Out Video Connector = BNC
- Video Resolution: 8 bit

### **RS485 DATA**

- Protocol: RS485 (2H), RS422 or RS232
- Max Speed: 128Kbps
- Bit error < 10<sup>-9</sup>

### **AUDIO**

- Type: Stéreo Bidirectional
- Audio Max I/O level: 3,5Vpp
- Audio Input: High Impedance
- Audio Output: 10Ω
- Audio bandwidth: 0.07 to 14KHz

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## VDM- VIDEO WITH DIGITAL TRANSMISSION

### AVAILABLE MODELS

REFERENCE	DESCRIPTION	FORMAT	NUMBER FIBRES	MAX ATTENUATION	WAVELENGTH
VDM10-TB5	1 Tx Video	Box SX	1	3Km	1300 nm
VDM10-TR5	1 Tx Video	Rack			
VDM10-RB5	1 Rx Video	Box SX			
VDM10-RR5	1 Rx Video	Rack			
VDM15-TB5	1 Tx Video + TX/RX Data	Box SX	1	3Km	1300 nm
VDM15-TR5	1 Tx Video + TX/RX Data	Rack			
VDM15-RB5	1 Rx Video + TX/RX Data	Box SX			
VDM15-RR5	1 Rx Video + TX/RX Data	Rack			
VDM20-TB5	1 Tx Video + TX/RX Data + TX/RX Audio	Box SX	1	3Km	1300 nm
VDM20-TR5	1 Tx Video + TX/RX Data + TX/RX Audio	Rack			
VDM20-RB5	1 Rx Video + TX/RX Data + TX/RX Audio	Box SX			
VDM20-RR5	1 Rx Video + TX/RX Data + TX/RX Audio	Rack			

Box SX = 140 x 129 x 24 mm

### ACCESORIES

REFERENCE	DESCRIPTION
PRD02	Card charge 3.5U for 15 cards of 1CH or 7 of 4CH + power supply Vin: 100-220Vac, Vout: 12v 8.5A

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