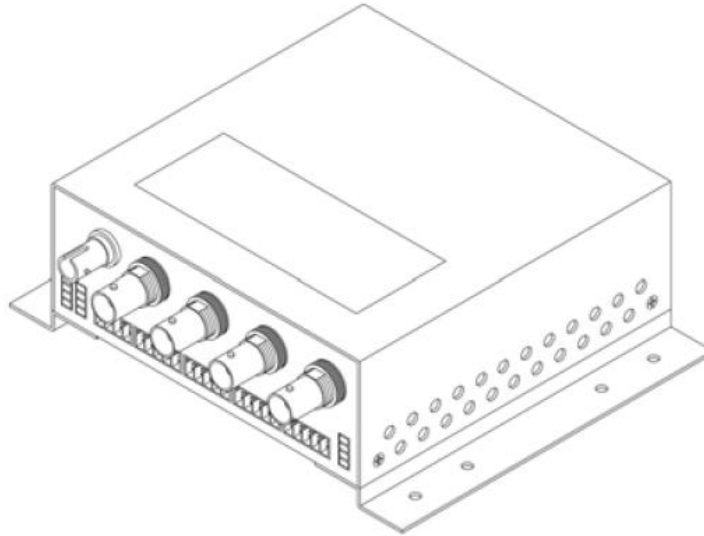


# VDS4 – VIDEO MULTIPLEXER



The OPTRAL series VDS4 allows the transmission of four (4) video signals (PAL, NTSC), two (2) bi-directional audio channels, two (2) data signals (RS232, RS422 or RS485), and one ON/OFF signal to connect one alarm. All the signals are transmitted over one singlemode optical fibre using a digital transmission with high quality coding and decoding. The installation “Plug and Play” makes the installation easier and it does not need any type of adjustment. The basic system consists of one transmitter and one receiver with one optical fibre per transmission channel.

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

## **FEATURES**

- Singlemode Optical Fibre.
- Wavelength 1310 and 1550 nm.
- Modular units and Rack cards.
- Optical connectors: FC <sup>(1)</sup>
- <sup>(1)</sup> For other optical connectors consult us

## **POWER / TEMPERATURE / SIZE**

- Temperature = 0° ÷ +80°C
- Humidity = 10% ÷ 95%
- 12 Vdc / 1A
- Modular units
  - Box SY = 145 x 122 x 42 mm
- Rack cards = 1 Slot Rack

## **ACCESORIES**

- Modular units:
  - Power supply included  
Vin: 220v / 50Hz  
Vout: 12v / 1A
- 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: RS232, RS422, RS485-4H (Full duplex) or RS485-2W (Half-duplex)
- Max Speed: 128Kbps
- Bit error < 10<sup>-9</sup>

## **AUDIO**

- Impedance IN/OUT: 600Ω
- Audio level: 0dBm
- Sampling: 14KHz
- Audio Resolution: 24 bit

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## VDS4 – VIDEO MULTIPLEXER

### AVAILABLE MODELS

REFERENCE	DESCRIPTION	FORMAT	NUMBER FIBRES	MAX AT-TENUATION	WAVE-LENGTH
VDS40-TB6	4 Tx Video + Alarm	Box SY	1	25Km <sup>(2)</sup>	1310/1550 nm
VDS40-TR6	4 Tx Video + Alarm	Rack			
VDS40-RB6	4 Rx Video + Alarm	Box SY			
VDS40-RR6	4 Rx Video + Alarm	Rack			
VDS42-TB6	4 Tx Video + 2 TX/RX Data + Alarm	Box SY	1	25Km <sup>(2)</sup>	1310/1550 nm
VDS42-TR6	4 Tx Video + 2 TX/RX Data + Alarm	Rack			
VDS42-RB6	4 Rx Video + 2 TX/RX Data + Alarm	Box SY			
VDS42-RR6	4 Rx Video + 2 TX/RX Data + Alarm	Rack			
VDS46-TB6	4 Tx Video + 2 TX/RX Data + 2 TX/RX Audio + Alarm	Box SY	1	25Km <sup>(2)</sup>	1310/1550 nm
VDS46-TR6	4 Tx Video + 2 TX/RX Data + 2 TX/RX Audio + Alarm	Rack			
VDS46-RB6	4 Rx Video + 2 TX/RX Data + 2 TX/RX Audio + Alarm	Box SY			
VDS46-RR6	4 Rx Video + 2 TX/RX Data + 2 TX/RX Audio + Alarm	Rack			

Box SY = 145 x 122 x 42 mm

<sup>(2)</sup> Consult if more optical power is required

### 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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