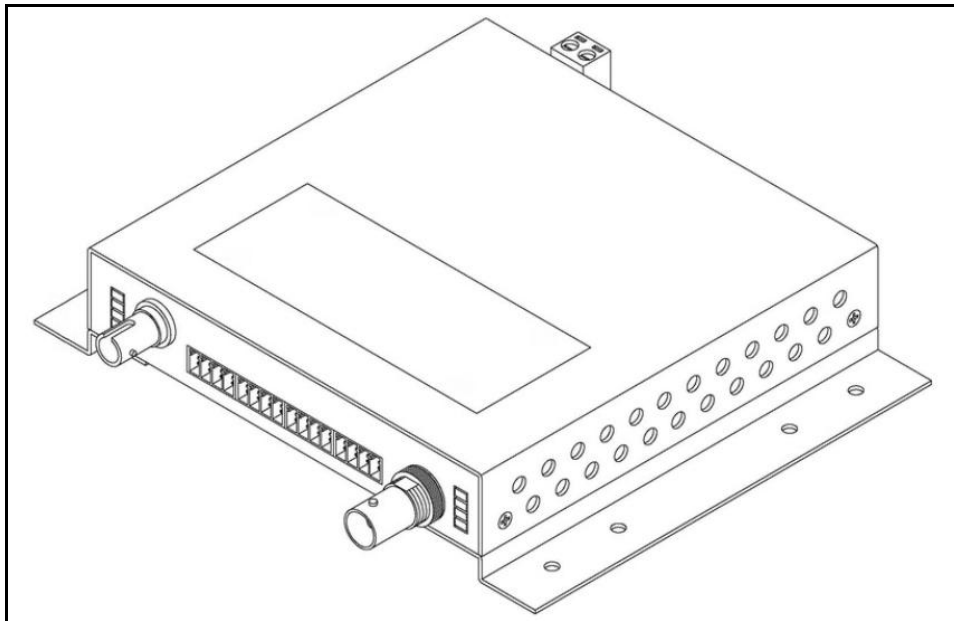


VDS – VIDEO WITH DIGITAL TRANSMISSION



The OPTRAL series VDS1 allows the transmission of one standard video signal over singlemode 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

- Singlemode Optical Fibre.
- Modular units and Rack cards.
- Optical connectors: FC

POWER / TEMPERATURE / SIZE

- Temperature = $-20^{\circ} \div +60^{\circ}\text{C}$
- 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 : 75Ω
- Bandwidth = 8 MHz
- Differential Gain < 1,5 %
- Differential phase < 2°
- In/Out Video Connector = BNC
- Video Resolution: 8 bit

DATA

- Protocol: RS485 (2H), RS422 or RS232
- Max Speed: 128Kbps
- Bit error < 10^{-9}

AUDIO

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

.....

VDS – VIDEO WITH DIGITAL TRANSMISSION

AVAILABLE MODELS

REFERENCE	DESCRIPTION	FORMAT	NUMBER FIBRES	MAX ATTENUATION	WAVELENGTH
VDS10-TB6	1 Tx Video	Box SX	1	30Km	1310/1550 nm
VDS10-TR6	1 Tx Video	Rack			
VDS10-RB6	1 Rx Video	Box SX			
VDS10-RR6	1 Rx Video	Rack			
VDS15-TB6	1 Tx Video + TX/RX Data	Box SX	1	30Km	1310/1550 nm
VDS15-TR6	1 Tx Video + TX/RX Data	Rack			
VDS15-RB6	1 Rx Video + TX/RX Data	Box SX			
VDS15-RR6	1 Rx Video + TX/RX Data	Rack			
VDS20-TB6	1 Tx Video + TX/RX Data + TX/RX Audio	Box SX	1	30Km	1310/1550 nm
VDS20-TR6	1 Tx Video + TX/RX Data + TX/RX Audio	Rack			
VDS20-RB6	1 Rx Video + TX/RX Data + TX/RX Audio	Box SX			
VDS20-RR6	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

•••••