VZS-4/M2

VZS-4/M2
Twisted Pair Transmitter Card, Composite Input,
Composite/TP Output, Amplif. +6dB

Art-Nr. 70567

Main Features

- **Twisted-Pair Video Signal Transmitter**
- **Pre-Amplification: +6dB**
- **Symmetrical and Asymmetrical Outputs**
- **Power and Signal Loss Indication**
- **Adjustable Signal Amplitude 0.7 to 1.3 Vp-p**
- **Black Level Clamping**
- **Bandwidth: 10 MHz**
- **In/Output Short Cicuit and Transient Protected**
- **19˝Rack Mountable (with VZSY-4/19˝)**
- **Modular Built Housings (usable as slide carts)**

Specifications

Video input	0.7-1.3 Vp-p, asymmetrical input (C)VBS, 75 ohms (via 15-pin D-Sub)
Video outputs	1Vp-p, (C)VBS, 75ohms (asymmetrical) 1Vp-p, 124ohms (symetrical), via 15-pin Sub-D plug
Signal amplification	+6 db at 6 MHz, adjustable to 1 Vp-p
Signal clamping	Clamping sets video signal black level to GND
Bandwidth	10MHz
Operations	Video output amplitude
Range	1000 m
Overvoltage protection	Ferrit cores
Signal transmission	Video
Operation mode	Active
LED indication	Input signal loss indication = yellow LED, Power = green LED
Supply voltage	11 ~17 VDC (via 15-pin D-Sub)
Current consumption	125 mA max.

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(Continuation Spezifications)

Temperature range (Operation)	-5°C ~+55°C
Model	Module
Type of unit	Transmitter
Housing	Aluminium
Weatherproof	no
Dimensions (HxWxD)	50x17,5x90mm
Weight	100g

Optional accessories

70584	**VZS-4/M-CB1**	19˝Connector Board for two VZS-4 Modules
70587	**VZSY-4/19˝**	19˝Card Cage Housing for 34 Twisted Pair Cards with built-in Power Supply
70586	**VZSY-4/M-FR**	Rack Mount Front Panel for Twisted Pair Modules VZSY-4

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Product information

Preferably unshielded twisted-pair cables should be used for the signal transmission. Are there already existing shielded cables which have to be used, the shield must only be earthed on one end, e.g. on transmitter side. We recommend cables in a twisted 2-pair wire bundle configuration (n2x2x0.8 mm). The best result will be achieved by using cables with a twist of up to 7-times per meter. By using unshielded cables with 0.8mm wire diam. and standard receiver modules(amplification of +30dB), good results can be expected for a transmission length of approx. 800 meters. Shielded cables, cables with different wire diam., or a connection via patch fields, can considerably reduce the max. possible transmission length.

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