

# VZZ-4/M2

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VZZ-4/M2

Twisted Pair Transceiver (Card),

Compos. and TP Input, 2x Composite/1x TP Output

Art-Nr. 70569



## Main Features

Receiver for Symmetrical Video Signals

Signal Amplification up to +30dB

1 Symmetrical Signal Output / 2 Assym. Outputs

Power and Signal Loss Indication

Potentiometer for Frequency Adj. (LF, MF, HF)

Black Level Clamping

Twisted Pair Input Galvanic Isolated

Bandwidth: 10 MHz

In/Output Short Circuit and Transient Protected

19" Rack Mountable (with VZSY-4/19")

Modular Built Housings (usable as slide carts)

## Specifications

Video inputs	0.6-1.2 Vp-p, 124 ohms (symmetrical) 0.7-1.3 Vp-p, 75 ohms, (C)VBS (via 15-pin Sub-D plug)
Video outputs	1.0Vp-p, (C)VBS, 75ohms. 1.0Vp-p, 124ohms (symmetrical)
Galvanic isolation	Due to input transformer 1 kV (only twisted pair)
Signal clamping	Clamping sets video signal black level to GND
Bandwidth	10MHz
Operations	Video output amplitude, Symmetry (balance), HF, MF, NF compensation (+30 dB at range of 3 to 6 MHz)
Range	1000 m
Overvoltage protection	Ferrit cores
Signal transmission	Video
Operation mode	Active
Error output	Open collector, max. 80 mA (On/Off switchable)
LED indication	Input signal loss indication = yellow LED, Power = green LED

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(Continuation Spezifications)

Supply voltage	11 ~17 VDC (via 15-pin D-Sub)
Current consumption	125 mA max.
Temperature range (Operation)	-5°C ~+55°C
Model	Module
Type of unit	Amplifier
Housing	Aluminium
Weatherproof	no
Dimensions (HxWxD)	50x17,5x90mm
Weight	100g
Special features	Sync. signal and signal loss detection

### Optional accessories

70584	VZS-4/M-CB1	19" Connector Board for two VZS-4 Modules
70583	VZZ-4/M-CB1	19" Connector Board for two VZZ-4 Carts
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.



**VIDEOR**