

Analog, video fiber optic converter

APP MVT3/MVT4/MVT5

The devices of series APP MVT3 / MVT4 / MVT5 are miniaturized versions of APP V300T / V330T / V500T enable transmission of the full video signal via multi-mode or single-mode fiber.

APP MVT3 / MVT4 / MVT5 are fully compatible with APP V300T / 330T / 500T and are able to cooperate with receivers series APP V300AR, APP V330AR i APP V500AR to compose a parts of Brabancja 2000 monitoring system.

Miniature dimensions and male BNC connector allows to instal the device directly on camera's BNC or inside its housing.

The miniature transmitters are equipped with AGC, enable to accept 0,5 – 2 Vp-p input signal giving output signal 1 Vp-p and are able to switch off optical output signal in case of shortage of CVBS electrical signal.



- **miniature housing**
- **PAL, SECAM, NTSC compatible**
- **AGC**



Application diagram:



www.elektronikart.pl

tel: + 48 81 446 51 52
fax: + 48 81 446 51 53

80 Mełgiewska Str., 20-234 Lublin

info@elektronikart.pl
marketing@elektronikart.pl

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Technical parameters:

Video interface:

standard: PAL / SECAM / NTSC
input/output level: 0,5 - 2 Vp-p / 1 Vp-p
connector type: BNC 75 Ω
bandwidth: 6 MHz (- 0,5 dBm)

Optical interface:

	MVT3	MVT4	MVT5
optical medium:	50 or 62,5/125 μ m	50 or 62,5/125 μ m	9/125 μ m
wavelength:	LED 850 nm	LED 1300nm	LD 1310nm
connector type:	ST	ST	FC
typical optical budget:	12 dB (62,5/125 μ m)	12 dB (62,5/125 μ m)	20 dB (9/125 μ m)

Operating temperature range: - 30 to + 60 $^{\circ}$ C

Power supply: 8 - 15 VDC

Dimensions: 33 x 40 x 23 mm

Housing: clear anodised aluminium

Device versions:

Multi-mode system (MM)			
APP MVT3	1 x V \rightarrow	LED 850 nm, 1 x MM	up to 4 km
APP MVT4	1 x V \rightarrow	LED 1300 nm, 1 x MM	up to 10 km
Single-mode system (SM)			
APP MVT5	1 x V \rightarrow	LD 1310 nm, 1 x SM	up to 40 km

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