



## microwapp™ 1021PM

Microwave link on 10,3 GHz, simplex, one-channel, CCTV

Microwapp 1021PM is a simplex one-channel microwave link with direct FM modulation, that suits the closed-circuit TV systems. It is designed for transmitting video signals up to maximum distance of 15 km at a direct visibility. Microwave link 1021PM can transmit one audio and one video signal at a time.

Usually it is supplied with dish antennas of 350 mm diameter with radome. For longer distance transmissions is possible to order dish antennas of 1200mm for receiver.

Microwapp 1021PM comprises transmitter and receiver unit. With both units, dish antennas of 350mm diameter are provided. Modulator is integrated in outdoor TX unit. Microwave links are supplied with operating parameters set by manufacturer and burnt-in.

Systems comply with declaration of conformity based on NV 426/2000 Sb. Regulation for radio and telecommunication equipment.

Use: in urban camera systems or generally for transmitting the A/V signals (CCTV). Microwapp 1021 K is suitable for final routing within the implementations of cable TVs and TV studios.

### Specifications

Frequency Range:	10.3 - 10.6 GHz	complies with VO-R/14/08.2005-26, no fees
Channels:	1 to 4, factory installed	Description 1021-x, where "x" is number of channels
Transmitted channels:	Video: 1 V pp/75 Ohms, PAL, 625 lines Audio: 0.755 Vef, mono (stereo as an option) Tamer: NC logic (optional)	
Modulation:	FM, 14 MHz deviation, 28 MHz bandwidth	
Transmitter Power:	2 mW (+3 dBm), (under no-license agreement)	
Frequency Stability:	better than 50 ppm	
Polarization:	H or V	
Operation Temperature:	-25 to +50 deg.C outdoor unit, 0 to +40 deg.C indoor heating optional	
Radio Range (one channel):	350 mm parabolic antenna, 2.5 km (1.5 km for 2 ch) Standard equipment 650 mm parabolic antenna, 8 km (5 km for 2 ch) 900 mm parabolic antenna, 12 km (8 km for 2 ch) 1200 mm parabolic antenna, 15 km (10 km for 2 ch) 30 mm dia. Dielectric rod antenna, 300 m	
AC Power:	230 V, 50 Hz, 35 W,	
DC Power:	TX unit, 12-18 VDC, 900 mA, RX, 12-18 VDC, 110 mA	
Sizes:	TX 380x380x330, weight 5kg RX 380x380x330, weight 5kg or customizable	
Indoor units:	TX 510x410x250 RX: demodulator 260x32x115, source 260x60x115	

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