



microwapp™ 2401

Microwave Radio Link 24 GHz, Simplex, Single-Channel

Microwapp 2401 is a simplex single-channel microwave radio link designed to transmit an A/V signal over a maximum distance of 4 km, line of sight.

One microwave radio link can transmit one audio and one video signal. Versions 2402 and 2403 are also available that can transmit two or three A/V signals, respectively. IR programmer allows to adjust demodulator parameters. To Microwapp 2401 an optional tamper module is available, to obtain a sabotage (tampering) information for the link or camera equipment. If the line of sight is not available between link ends, or to extend the range, a retranslation link arrangement is available, also useful to combine signals arriving from different transmitter locations to one receiver.

As a standard option, parabolic antennas with 350 mm diameter are mounted, with a dielectric radome for weather protection. If a longer range is required, optionally we can provide larger parabolic antennas, 650 or 900 mm diameter, also with radomes.

The complete Microwapp 2401 radio link comprises the transmitting antenna unit, receiving antenna unit (with finely pointable 350-mm dia. antennas), a video modulator and power supply in a separate case, US511 demodulator with a power supply on a DIN mount, MS011. Microwave radio links are factory-set to specifications, and burnt-in. The manufacturer has issued the Declaration of Accordance with NV426/2000 Sb. (The Czech Communications Authority Regulation) by which the specifications of radio and telecom terminal equipment are established.

Applications: for municipal camera security systems, or generally, for CCTV A/V signal transmission without cables. Also offered: Microwapp 2401 K version for studio-quality A/V signal transmission, best suitable to transmit signals from a TV studio to a terrestrial TV transmitter.

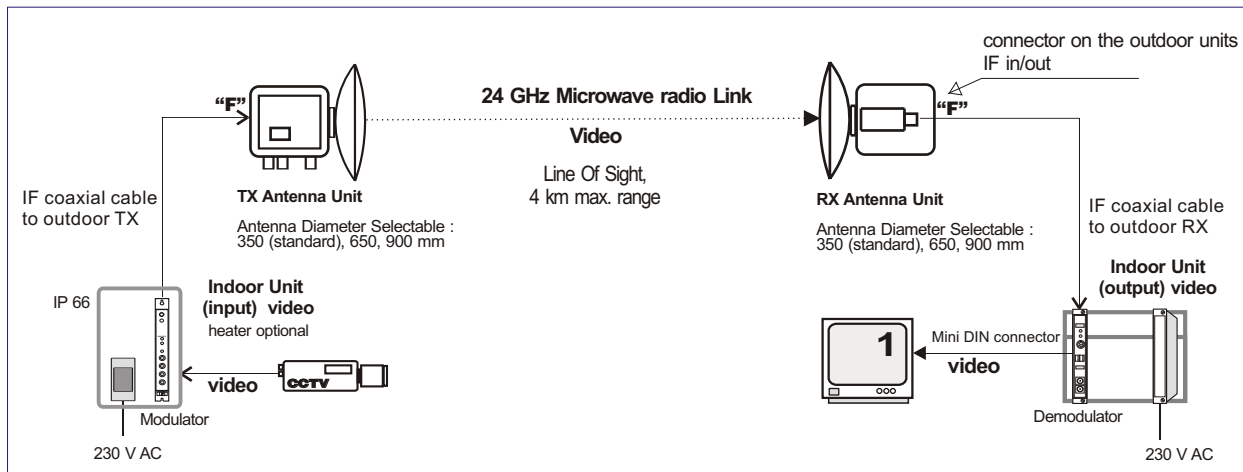
Specifications:

Frequency Band	24.0 to 24.25 GHz	no fee, in accordance with VO-R/10/08.2005-24
Number of Channels	1, channel bandwidth 28 MHz	user-settable
Transmitted Signals	Video	1 Vpp/75 Ohms, PAL, 625 lines
	Audio	0.755 Veff/600 Ohms, mono/stereo, Optional
	Tamper	NC logic signal, Optional
Modulation	FM, 14 MHz deviation	28 MHz channel BW
Transmitter Output	100 mW EIRP Max.	
Frequency Stability	< 5x 10E-5	
Polarization	H or V	
Operating Temperature	-25 to +50 deg.C (outdoor units)	
Radio Link Range	2 km with 350 mm dia. antenna	
	3 km with 650 mm dia. antenna	
	4 km with 900 mm dia. antenna	
Primary Power	230 V AC, 50 Hz, 35 W.	
Secondary Power:	TX 12-18 VDC, 900 mA	
	RX 12-18 V, 110 mA	
Size:	TX 230 x 200 x 140 mm	
	RX 230 x 200 x 140 mm	
Weight:	TX 5 kg, RX 4 kg	

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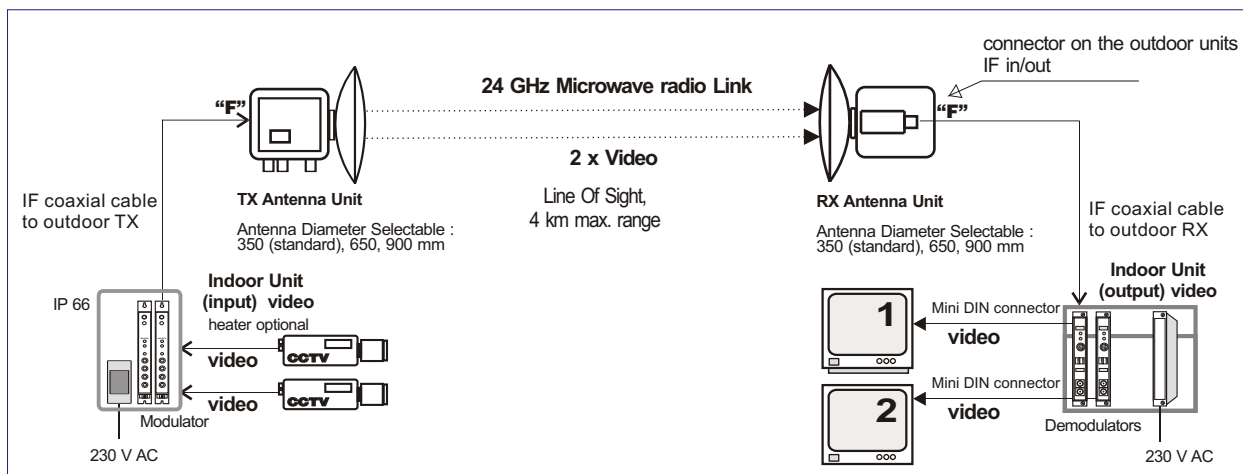
One- Channel Microwave radio Link

microwapp 2401



Two - Channel Microwave radio Link

microwapp 2402



Three - Channel Microwave radio Link

microwapp 2403

