RW-TCC4D

Camera dome with digital transmitter

Product description

RadioEye ™ is a closed circuit television system that allows you to see and hear what is happening in an environment without the need for connecting cables. It can be installed in minutes even by inexperienced personnel.

Cameras with a digital transmitter of the RW series are equipped with integrated transmitter and receiver include an RX be used to receive wireless audio / video signal. The RW series cameras use a brand new digital technology that allows total immunity to interference. The input analog video signal is encoded digitally in the transmitter and sent by radio with FHSS modulation and coding encrypted to prevent unauthorized reception. In the receiver the signal is again converted into an analogue to be able to connect to a TV, monitor or video recorders.

Product Composition

The product includes:

- a camera with a transmitter (TX) integrated, a receiver (RX) connectable to any TV set,
- VCR or monitor, a power supply 12VDC 1.0A (for the camera), a power supply 5VDC 1.2A (for the receiver), a cable Audio / Video RCA to connect the RX to the monitor,
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- omnidirectional antenna to receiver.

Audio output

The RW cameras have no audio microphone

Camera attachment

The RW-TCC4D camera is fixed to the ceiling tassellando the base in correspondence of the three holes present.

Installation and wiring

- The RW-TCC4D camera requires no other connection that the 12VDC power supply that must provide with the present power supply in the package

- With regard to the receiver, on the back of the receiver are present to connect a power supply of power input provided and a miniplug input to which is connected the Audio / Video cable which allows to connect the device

downstream, such as a TV monitor or DVR.

The receiver connectors are RCA type male (+ 1xVideo 2xAudio stereo). If the device has to be connected BNC connector, very common in the CCTV, you need a RE-BNCRCA1 adapter.

- Screw the antenna to the SMA connector screw. The antenna type is omnidirectional and does not require to be oriented.

First Turn

Power to the camera and then the receiver. After connecting the power, the receiver turns on the POWER LED red, then goes out to switch on only when the two devices are paired and ready for the transmission of images and sounds. Camera and receiver are supplied already paired factory so there is no need any operation because

linking between their. This operation recognition, however, requires several seconds, even up to a minute, during which the LED is turned off and can give the impression that the system is idle. patiently wait for the LED to

rekindle once carried out the coupling.

If the LED turns on again means that the modules can not communicate with one another, presumably because in places too far away or because of the presence of too many obstacles between antennas.

Pairing button (PAIR)

Camera and receiver communicate with each other in an encrypted way to which they must be coupled together to function properly. However, the **PAIR button on the receiver as a rule should not be used** as the two devices are already delivered factory coupled with each other.

If for reasons of maintenance should be necessary re-pair the devices you need to do the following

- Powering 3-5 meters placing devices.

- Press the PAIR button on the receiver and hold it down until the LED starts flashing. Then release the PAIR button.

- Wait for the completion of pairing without powering down the equipment.
- After the procedure the LED is lit.

The transmission range

The RW series of cameras allow a flow rate in free air of about 150 m. The flow value is given in free air, since the presence of obstacles, such as walls or other reduces the flow rate drastically, but in highly variable manner.

E 'can use directional antennas in replacement of standard antennas, to increase to about twice the flow rate of the system.

Tips

- Locate the camera and receiver in a position as detected possible.

- Position the camera so that the imaginary line joining the two antennas there are less obstacles as possible.

In particular, try to avoid the presence of obstacles very close to the transmitter.

- Avoid the interposition of metal obstacles (eg. Metal gates etc.) as highly shielding.

Main technical data Camera

Camera Type	Wireless
Color or black and white	colors
video standards	PAL
Type CCD sensor	SHARP
CCD Size	1/4 "
Number of pixels in the CCD	512 (L) x582 (H)
horizontal Resolution	420 TV lines
Video Signal Process	Digital - DSP
Video Signal Synchronization	internal
Minimum required illumination for shooting	1 Lux (F2.0)
gamma correction	0.45
Signal / Noise (S / N ratio)	More than 46dB
Automatic Gain Control (AGC)	Yes
Auto white balance (AWB)	Yes
Automatic electronic shutter	1 / 50..1 / 100,000 s.
Electronic System autoiris	Yes
Backlight Compensation	No
Day / Night function (color day / night bn)	No
infrared lighting compatible	Not compatible
video Output	composite Video
the camera power supply	12VDC
Power consumption	100 mA
Attaching the	S (mini-lens)
Objective supplied as standard with the camera	None (RE - .. X)
Compatible lenses can be supplied as an alternative	All mini goals to RE-RE-025S to 250S
Operating temperature	- 5 ° ... + 40 ° C

Main technical data receiver

Supply	5VDC
Max consumption.	1.9W
video Output	1 Vp-p 75 Ohm
audio Output	1 Vp-p 600 Ohm stereo
Connectors	3xRCA male
Antenna	3dB omni
antenna Attack	type SMA
Frequency	2400MHz band
dimensions	76x73x24 mm.
Temperature	- 10 ° ... + 50 ° C
Weight	82 gr. per module