RE-RE-DTX1

DRX1

Digital transmitter and receiver

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.

The RE-DTX1 transmitters and associated receivers RE-DRX1 are used to radio transmit the audio / video signal of a hard-wired camera and take a 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:

- Transmitter (RE-DTX1) to connect to any hard-wired camera or receiver (RE-DRX1) connectable to any TV set or monitor, a power supply 5VDC 1.2A,
- an audio / video RCA cable to connect the RX to the monitor or the TX at the camera. an omnidirectional antenna.

Installation and wiring

- On the back of the RE-DTX1 modules, RE-DRX1 are present a 5V DC power supply input to be connected to the power supply included and a miniplug input to which is connected the cable Audio / Video minijack / RCA.

In TX the other end of the cable A / V will be connected to the camera. RX In the other end of the cable A / V will be connected to the TV, monitor or DVR. The 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.
- Apply power to the transmitter and the receiver using the 5V DC power supply provided in the packaging

First Turn

Once connected the power supply, both the devices the LED POWER red, then it goes out to switch on only when the two devices are paired and ready for the transmission of images and sounds. Transmitter and receiver are supplied already paired factory so you do not no operation because they connect with each other. This operation recognition, however, requires different seconds, even up to one minute, during which the two LEDs are off and can give the impression that the system is idle. patiently wait for the LEDs to rekindle to coupling occurred.

If the LEDs do not switch means that the two modules are not able to communicate with each other, presumably because in places too far away or because of the presence of too many obstacles between antennas. On the same site you can install up to 10 cameras each with their own RE-DTX1, RE-DRX1

Pairing button (PAIR)

TX and RX communicate with each other in an encrypted way to which they must be coupled among them for work **correctly. However, the This button pairs of TX and RX 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 TX and RX must do the following

- Food TX and RX placing them at 3-5 meters away.
- Press the PAIR button on either the transmitter or receiver and hold it down until the LED starts flashing. Then release the PAIR button. It is not necessary to press the button on both devices.
- Wait until the coupling TX- RX without powering down the equipment.
- At the end of the two LEDs light up procedure is fixed

The transmission range

DTX1-RE, RE-DRX1 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 transmitter 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 features

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