RE-DTX-K1D

Digital transmitter and receiver

Product description
Transmitters and RE-DTX-K1D receivers are used to transmit the audio / video signal via radio to an analog camera-wired and adopt 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 to be connected to any hard-wired camera and receiver connectable to any TV set or monitor,
- Each piece is equipped with RCA video cable for connecting the RX to the TX monitor or towards the camera.
- A 'omnidirectional antenna.

Installation and wiring
- On the back of the modules are present the two cables for the connection of a 12VDC power supply input to be connected to a power supply.
- In the TX of the video cable is connected to the camera. In the RX of the video cable is connected to the TV, monitor or DVR.

The connectors are RCA type male (1xVideo). If the device has to be connected BNC connector, very common in the CCTV, you need a RE-BNCRCA1 adapter.
- Both the transmitter and the receiver are equipped with power output. The transmitter can use this connection to power the camera. In the receiver you can use it to power the connected device (eg DVR)
- The antennas are screwed to the SMA connectors. The antenna type is omnidirectional and does not require to be oriented.
- Apply power to the transmitter and the receiver using the 12VDC power supplies 1A (not included)
- The containers are sealed

First Turn
After connecting the power, in both devices the LED POWER red. Immediately after the LED LINK green when the two devices are paired and ready for the transmission of images. Transmitter and receiver are supplied already paired factory so there is no need any operation because they connect with each other. If the LINK LED does not light up 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 three pairs of transmitters / receivers without causing interference.

Pairing button (RESET)
TX and RX communicate with each other in an encrypted way to which they must be coupled together to function properly. However the RESET present on TX and RX rule button 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 RESET button on either the transmitter or receiver and hold it down until the green LINK LED begins to flash. Then release the RESET button.
- Perform the same operation on the other module to pair
- Wait until the coupling TX-RX without powering down the equipment.
- After the procedure the two LINK LED green will light up fixed
- Each transmitter can be paired to a single receiver. If it manually to appear to another receiver module, it automatically disconnects from the receiver to which it was previously connected. It is, therefore, possible to connect a transmitter to multiple receivers.

The transmission range
RE-DTX-K1D allow free air of about 100 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 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	12VDC
Max consumption.	1.4W
Video Input Output	1 Vp-p 75 Ohm
Audio Input Output	-
Connectors	1 x RCA male
Antenna	3dB omni
antenna Attack	type SMA
Frequency	Bandwidth 2.400 GHz
dimensions	90x44x18 mm. IP66
Temperature	-10 ° ... + 50 ° C
Weight	68 gr. per module

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