

# Elevator Surveillance transceiver (SEWT-01)

Securitex Elevator “wireless transceiver” **Model SEWT-01** uses a very high frequency (2.4 GHZ) to transmit real-time wireless video signal to a receiver. This transmitted signal can reach a maximum height of 150 metres this is equivalent to a 40 story building. With this **SEWT-01** installed, installing elevator surveillance camera will never be the same again as coaxial cable is not necessary anymore. This not only save thousand of dollars but system can be implemented in troubled elevator within hours rather than days. Furthermore transmitting voice for recording is possible.

## How is the SEWT-01 installed in the elevator?

The **TX-01** is install at the elevator car top. A dome colour or black & white camera is than install in the lift car ceiling facing the elevator door. The camera and the **TX-01** takes it power from the 12VDC rechargeable power supply unit by plugging the power supply system to the 230VAC power socket which is available on all elevator car top.



The **RX-01** is than install at the lift motor room (a suitable location need to be selected for optimum quality). The **RX-01** takes it power from the 12VDC rechargeable power supply unit by plugging in the power supply system to the 230VAC power socket which is available on all elevator motor room.

A coaxial cable is than plug into the video output and the other end of the cable is plug into a monitor and recorder or a Digital Video Recorder



This elevator wireless transmitter and receiver is house in an IP66 enclosure from Italy with watertight cable inlet. Thus this equipment can be place outdoor under rain and shine. As long as the transmitter and receiver are position is such a way that it face each other, the transmitting range can be achieve up to 150 meters line of sight. It can even penetrate metal surface and concrete walls.

### SEWT-01 specification.

<b>Transmitter (TX-01)</b>	
Power input	12VDC minimum Power adapter used 500mA.
Power output	12VDC maximum 300mA
Power consumption	1.5 watts
Connector	1 RCA video input, 1 RCA (L) audio input 1 RCA (R) audio input
Frequency	ISM Band 2400Mhz ----- 2483Mhz (Audio and Video) on 4 selectable channels
Antenna mode	Dipole (Omni-directional)
Demodulation method	FM Frequency Generating P.L.L
Audio response	300- 3000Hz
Video input system	EIA, CCIR, NTSC and PAL
RF Output power	Follow regulation. (IDA approval)
<b>Receiver (RX-01)</b>	
Power input	12VDC minimum power adapter used 500mA
Power consumption	3.6 watts
Connector	1 RCA video output, 1 RCA (L) audio output 1 RCA (R) audio output
Frequency	ISM Band 2400Mhz ----- 2483Mhz (Audio and Video) on 4 selectable channels
Noise figure	-92dbm
Antenna mode	Dipole (Omni-directional)
Demodulation method	FM Frequency Generating P.L.L
Audio response	300- 3000Hz
Video output	1 Vpp/75ohm composite video

## Securitex Electronic Systems Engineering

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