



Wireless surveillance system in lifts

Components of the Wireless surveillance system:

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 there is no necessity to use coaxial cables. This not only saves thousand of dollars but system can be installed and commissioned in any lifts within hours rather than days. This system has a voice recording feature as well.



The transmitter **TX-01** is installed on the roof of the lift car. A dome camera (colour or b/w) is mounted on the lift car ceiling facing the elevator door. The camera and the transmitter TX01 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 is needed 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 placed outdoor under rain and shine. As long as the transmitter and receiver are position is such a way that it faces each other, the transmitting range can be achieved up to 150 meters line of sight. It can even penetrate metal surface and concrete walls.

Colour or black/white dome camera

The dome camera is to be mounted on the ceiling of the lift car with the lens facing the door of the lift. Some of these cameras come with a microphone integrated into the unit to facilitate voice recording as an additional feature. The images captured by the camera will be relayed to the TX 01 transmitter to be transmitted by wireless to RX 01 mounted on the lift motor room.

Specifications of the transceiver SEWT 01

Transmitter (TX-01)	
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)
Receiver (RX-01)	
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

Specifications of Everfocus ED 230P dome camera

Everfocus ED230/P 1/3" Color Mini Dome Camera

The color mini dome camera represents art of security. It is distinguished from other dome camera by its compact size -10 cm diameter. It also designs particularly for cost effective purpose. In application, the mini dome camera can be installed to the ceiling or mounted to the wall easily.

- Pickup Device : 1/3 inch inter-line transfer CCD
- Video format : NTSC/PAL
- Picture Element :
 - NTSC : 512 (H) x 492(V),
 - PAL : 500(H) x 580(V)
- Horizontal resolution : NTSC: 380 TV lines
 - PAL : 340 TV lines
- Sensitivity : 2.0 lux/F=1.2
- S/N ratio : 48 dB
- Electronic shutter : Up to 1/100,000
- Back light comp. : Yes
- AGC : On
- Auto white balance : Yes
- Gamma Correction : >0.45



Video output : 1.0Vp-p, 75 ohm_
IRIS : fixed
Power source : 12VDC+/-10%, 200mA
Sync. Mode : Internal Sync.
Lens Mount : M12 xP0.5
Dimensions : 87mm O.D x 59mm H
Operation temperature : 0 C to +50 C

FEATURES

The high sensitivity of 2.0 lux/F=1.2 is achieved by using the advanced 1/3 inch interline transfer color CCD. The electronic shutter and AGC allow the camera to be used in environment with varying light levels. Built-in anti-glazing and IR-cut optical filter, except pinhole modules and Compact size: 87mm O.D .x 59 mm H. System available for NTSC and PAL.

For information and sales please contact: **Kenny 97523165 or email sales@securerus.com**



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