



Available as a complete solution or in component form the Covert Operation Camera Kit provides a comprehensive solution for mobile or fixed covert surveillance requirements. Utilising COFDM video and UHF telemetry transmission with AES128 digital encryption you can be assured of clean secure video reception.

The small size of the cameras, especially the mini-prism, camera, ensure your cameras are easily concealed for both indoor and outdoor operations. Its integrated pan tilt mechanism can be controlled remotely by wireless or link cable.

Cameras

Both cameras feature an integrated pan tilt head mechanism. They be used both indoors and outdoors. Both allow wireless or wired remote control and video transmission.

New Mini Prism Camera has been developed for covert and mobile applications where a miniature pan tilt camera is needed.

Standard Prism Camera a light weight, modular, remote control camera.

Hand Held Controller remotely controls and views the prism cameras by wireless or cable link.

Control Case receives up to 4 signals in the same or different frequencies and provides telemetry control of the prism Cameras. It has an integral 10.4" LCD monitor and 160GB HDVR and can operate on 240v AC , 12v DC or internal rechargeable batteries.

Remote COFDM Transceiver a wireless COFDM video transmitter and remote control receiver built into IP65 housing, ensuring reliability whatever the conditions. The prism camera is connected to the transceiver unit and the video signal can then be transmitted and the camera controlled with a wireless hand-held controller via the telemetry transmitter. (458MHz, 433 MHz, 868 MHz).

Applications

- Covert video observation
- Observation of aviation fields and public area
- Ideal for mobile monitoring

Remote COFDM Transceiver

Video transmission power

100mW / 1 W / 5W

Frequency

1.3 GHz/ 2.4 GHz /5.8 GHz (L/S/C BANDS Available)

Channels 8/16/32

Telemetry control frequency

458MHz/ 433 MHz/868MHz/customised

Receive Sensitivity 115dBm

COFDM 2k Carrier, QPSK

Compression / Bandwidth

H264 (1mHz / 2 mHz B/w), MPEG4 (2mHz /4mHz B/W), J2000 (8mHz B/W)

Resolution 4CIF (25 FPS) / D1 (30FPS)

Latency approx 100ms

Power Consumption 12v @ 1A

Dimensions 157mm x 93mm x 60mm

Prism Camera

Camera 1/4" type Sony Ex-view

Resolution 480 TV lines

Zoom

36 x optical, 8 x digital / MINI, 10x Optical, 10x Digital

Sensitivity 0.7 lux

Color/mono Auto switch (IR Cut Filter)

Pan angle 360°

Tilt angle +20°/-40°

Power 12 V DC @ 200mA

Dimensions

Standard - Diameter 90mm x 200mm

Mini - Diameter 70mm x 150mm

Control Case

Frequency 1.3 GHz/2.4GHz/5.8 GHz
(L/S/C BANDS Available)

Telemetry Power 100 mW/1 W

Telemetry frequency 458MHz/433 MHz/868
MHz/customised

Compression / Band Width

H264 (1mHz / 2mHz B/w), MPEG4 (2mHz /4mHz B/W), J2000 (8mHz B/W)

Resolution 4CIF (25 FPS) / D1 (30FPS)

Latency approx 100ms

Recording

160 Gb HDVR USB /Composite Video output

Operation time approx 4 hours on internal Battery

External antenna connection

N Type / BNC

Case Dimensions 400mm x 170mm x 300mm

Battery packs with battery level indicator and charger

Remote Control Functions

Pan/tilt, Zoom in/out, Camera on/off, Transmitter on/off, Focus far/near, Channel Select