

SCOUT MK 3

INTELLIGENT REMOTE IMAGER



WIRELESS INTELLIGENT
MOTION CAMERA

EXENSOR





SCOUT MK3

PART OF THE FLEXNET PLATFORM

The Scout Mk3 is an intelligent camera with motion detection capability that can provide pictures or videos using a variety of camera heads or lenses. Highly configurable, easy to use and rapidly deployable, the Scout Mk3 offers high quality imagery in a lightweight, compact form.

The built-in image processing detects movement and activates the camera to take images or video, compresses them and either transmits them back to the base using encrypted (AES 256) communications, or stores the pictures in the device for later retrieval. The Scout Mk3 has a storage capacity of several thousand images.

The advanced motion detection algorithms detect any movement in the user defined areas of interest. The camera can take single or multiple images before, during and after an event has occurred within these areas. The Scout Mk3 camera applies sophisticated compression

technology to allow fast transmission of data over the low bandwidth network.

The Scout Mk3 can be equipped with 2 different types of camera heads: single TI camera or a dual head combining the TI camera with a low light B&W camera. The camera heads can be mounted directly on the camera body or be remotely deployed via a cable. The camera heads can be supplied with various TI lenses to suit operational requirements.

The Scout Mk3 is activated by other sensors wirelessly over the radio network or by a PIR sensor attached via a cable. After activation, the motion control sequence starts for a pre-set time which can be configured by the operator.

The Scout Mk3 camera operates as an individual node in the mesh network, relaying data from all the other sensors (Mini Mk 3 / Scout Camera / Mesh PIR) back to the Command and Control system.

Technical specifications

Size	<ul style="list-style-type: none"> 62mm x 62mm x 210mm (19mm single head option) 62mm x 69mm x 220mm (19mm Dual head option)
Weight	1.3kg (19mm single head option) 1.5kg dual head
Battery	30 days with integrated rechargeable battery (1 year battery as option)
Temperature	-32 to +71 degrees Celsius in operation
Environmental	MIL-STD-810
EMC	MIL-STD-461
Tamper alarm	Built in anti-tamper with GPS
Position	GPS for self-location

Performance

Camera type	Thermal	Black and white
Resolution	640 x 512	752 x 582
Camera FoV	18° x 14° 25° x 20° 32° x 26°	30°
Sensitivity	50 mK	0.002lx

Thermal Lens Options

	Detect (m)	Recognise (m)	Identify (m)
19mm	570	144	72
25mm	820	210	104
35mm	1140	250	142
60mm	1750	450	225

Capabilities

- Real time snapshot images and videos over the secure network
- Highly configurable
- Day and night capability
- Silent mode
- Rapid deployment and recovery
- Multiple camera head and lens options