

Scout X



Image and Video Platform

- Adapted to a wide range of lenses and cameras
- Long-range remote surveillance and detection
- Real time snapshot images over secure wireless network



SCOUT-X

PART OF THE FLEXNET PLATFORM

The Scout-X is a high-performance versatile image and video platform fully customizable. Its core release comes with a Nikon Z9 enabling long range surveillance and detection. User friendly and rapidly deployable, the Scout-X is built to be the imaging tool for the advanced and demanding Flexnet user. With the standard Nikon Z9 the user has a huge range of lens options and the Scout-X operates with any lens that the Z9 camera supports. The low light performance of the Z9 is one of the best in the world for DSLR cameras.

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

The built-in image processing function detects motion and activates the camera to capture image data. The high-resolution images and video (up to 45Mpixels and 4k video) are stored locally, then compressed to small previews and transmitted back to the base station using encrypted (AES-256) communication.

Advanced motion detection algorithms detect any motion in the user's defined areas of interest. Before, during and after an event, the camera can take single or multiple images. The Scout-X uses advanced compression technology to allow fast transmission over the low bandwidth network despite the huge size of the original imagery. It has a storage capacity of several thousand images and videos.

Technical specifications

Size	190 x 90 x 60mm (excl. Z9)
Weight	1.3kg (excl. Z9)
Operation time	20 days on integrated rechargeable battery (Standard of 1 wake up of 30s/hour) External battery to be connected for 30 days + of operation
Temperature	-32 to +71° Celsius in operation
Environmental	MIL-STD-810
EMC	MIL-STD-461

Capabilities

- Long range remote surveillance in dead ground
- Real time snapshot images over secure wireless network
- Remote control of Z9 capture functions - Start / Stop / Recording
- 45 Megapixels images and 4K video
- Extended selection of lens options through Z9 support

On-demand adaptations

- Virtual PTZ: Zoom in on an object to get more details of an area. A zoom factor comparable to 300x versus the Flexnet preview can be achieved with the Z9.
- Support for 3G-SDI cameras: The Scout-X can support any camera conforming to the 3G-SDI standard up to resolution of 1080p60.
- The Scout-X platform is built to enable quick integration of function from USB or SDI cameras controllable through USB or UART.