



ROS 3

Compact Remote Surveillance Solution

Key Features

- Lightweight one-man carry
- Scalable and modular architecture
- Intuitive to use control software
- Split-screen video streaming and recording
- Full remote control of up to four sensors
- Digital map integration
- Wired and wireless ethernet comms
- Fast and simple deployment
- Low system power consumption

Instro's ROS (Remote Observation System) provides a complete 'off the shelf' wired or wireless solution for users who wish to add a highly portable rapidly-deployable and self-contained remote surveillance capability to traditionally handheld sensors.

ROS 3 system architecture features Ethernet for high speed data and video transmission, along with an all new communications / power hub which greatly reduces system deployment time.

Split-screen display capability enables a single operator to monitor live digital video and record footage for review later from up to four remote stations simultaneously, switching sensor line of sight control to an individual station to focus on particular events or threats.

A digital map display (using industry standard map formats) enhances situational awareness by showing the location of the controller and remote stations in addition to objects of interest.

ROS 3

Compact Remote Surveillance Solution

ROS 3 Wireless



Directional Antenna

Mini Motorised Pan & Tilt

Lightweight Tripod

Mission Computer

Hub and Battery

ROS 3 Wired



Sensor Agnostic

NOTE: A system can be formed of both wired and wireless interconnects

Outline Specification

System Weight	From 8kg
Wired Capability	Up to 100m
Wireless Capability	Up to 1000m
Pan & Tilt Accuracy	0.1 mil (Both Axis)
Mission Computer	Rugged Tablet
Communications	Ethernet
Deployment Time	< 10 minutes
Power Source	BB 2590 (7.5 Ah)
Run-Time	~6hrs per battery
Camera Streams	Up to 4 per system
GIS Map Engine	Esri

Applications

- Dismounted Reconnaissance
- Rapid Deployment Perimeter Surveillance
- Remote Forward Observation
- Rapid Deployment Covert Surveillance
- Border Surveillance
- Coastal Surveillance
- Police and Customs



instro

Instro Precision Limited

Tel : + 44 (0) 1843 604455 Fax : + 44 (0) 1843 864143
Email : marketing@instro.com Web : www.instro.com