



# 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

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## ROS 3 Wireless



## ROS 3 Wired



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



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