

## ROSS

### *The Latest Generation of Compact Remote Surveillance Solutions*

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

Instro's latest generation Remote Observation Support System has been reconfigured with the addition of a new compact, lightweight controller with enhanced capabilities. The ergonomics and aesthetics of the controller have been significantly improved for handheld use.

The large 8.4" TFT screen and an all new advanced OSD (On Screen Display) is used in conjunction with a thoughtfully configured control panel to ensure that the user interface is both intuitive and effective in even the most demanding of environments.

The system is deployed from padded backpacks. One backpack contains the core system components for immediate use as a wired system (25m). The second backpack contains all of the additional equipment needed to achieve distant remote surveillance via wireless link. Rugged transit cases are provided for storage and transportation.



## Applications

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

## Compact controller



# ROSS (Remote Observation Support System)

## *The Latest Generation of Compact Remote Surveillance Solutions*

### Main Advantages & Features

- Configurable to use in-service sensors
- Available as a complete remote surveillance solution including sensor if required
- Supplied in two tough transit cases for storage and transportation
- System accommodated in convenient backpacks
- Lightweight two man carry (one man carry for wired only use)
- Rugged durable and easy to use
- Remote surveillance via cable or wireless communication link
- 1000m clear line of sight wireless control capability (under ideal conditions)
- High precision motorised pan and tilt unit for accurate sensor line of sight positioning
- Compact control console-
  - ◇ Compact rugged design, configured for optimal handheld use
  - ◇ Intuitive software
  - ◇ Features full size joystick and switches
  - ◇ Offers full remote control of mounted sensor and precision pan and tilt head
  - ◇ Large colour TFT display for video feed & OSD
  - ◇ State of the art video streaming, eliminates video lag
  - ◇ Integral Digital Video Recorder
  - ◇ Solid state video storage (6 hours)
  - ◇ USB2 connectivity to PC
- Low system power consumption
- Operates from a wide range of power sources-
  - ◇ AC mains via adapter (included)
  - ◇ Vehicle power
  - ◇ Battery packs\*

### System Modules

#### Backpack 1

- Precision pan and tilt unit
- Lightweight Tripod
- Compact remote control unit
- System cable
- Cable - mains adapter
- Cable - quad battery interface
- Cable - vehicle power
- Space for battery packs\*

#### Backpack 2

- Power and communication unit
- Antenna cables
- Antennas and antenna supports
- Cable - mains adapter
- Cable - twin battery interface
- Cable - vehicle power
- Space for battery packs\*

\*Instro's Remote Observation Support System is configured to operate from commercially available rechargeable battery packs. Provision is made within the system backpacks to accommodate these battery packs and in so doing to provide a fully self contained surveillance system solution. Battery packs and chargers can be supplied as an option or alternatively purchased independently by the user/integrator.



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