

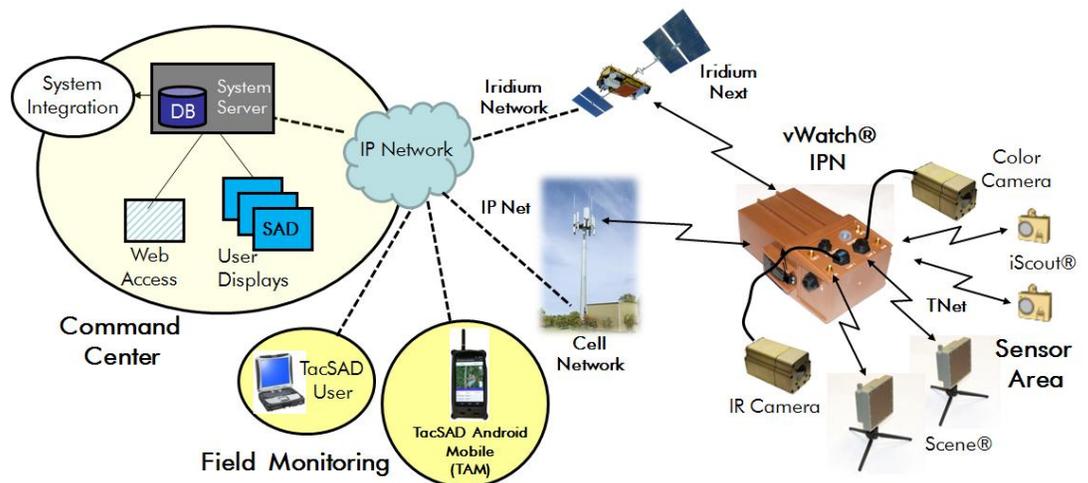
# vWatch® ISR Tactical Video Kit

## Tactical Surveillance in a Small Kit

### PORTABLE vWatch® ISR VIDEO KIT DESIGN

The Portable vWatch® ISR Tactical Video Kit has been designed to provide very long operating life in a small battery powered kit. The long operating life is provided by using McQ sensors to trigger an Image Processing Node (IPN). The IPN system power remains in a very low consumption state listening for an iScout® or rScene® target detection event. When a target is detected, the video cameras and the image processing are turned on. The video kit begins operation storing video until communications are established over cellular, terrestrial, or Satcom networks. When the connection to the user is established, the IPN streams the live video so that no target imagery is lost when a detection occurs. The Portable vWatch® ISR Video Kit can provide persistent video surveillance of a target area long periods of time on one small battery with a small solar panel. The video is compressed using vWatch® processing to integrate the data with many different low data rate comms links.

Sensors detect targets and wake up the wireless video to provide real time target imagery from remote areas.



The Portable vWatch® ISR Tactical Video Kit is networked with triggering sensors and User Interface displays.



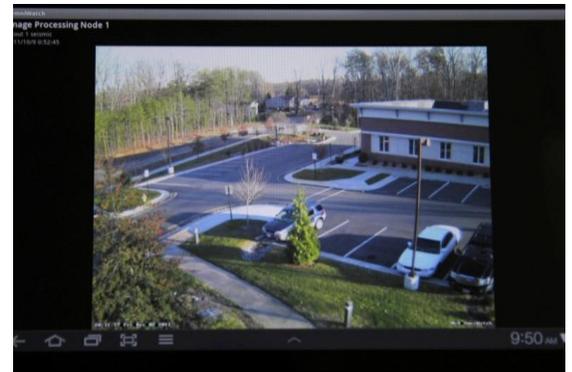
# vWatch® ISR Tactical Video Kit

## Features and Specifications

### PORTABLE ISR VIDEO KIT OPERATING USAGE

The Portable vWatch® ISR Tactical Video Kit provides the capability to autonomously detect targets, classify them, capture target video in real time, and communicate the information to distributed users over an RF wireless network. The kit can provide persistent surveillance of a target area. Advanced vWatch® video compression and video management provides high quality video at low data rates. The target detection and the video information is stored on a database and displayed in real time on a map based user interface. The small size and weight of the video kit means it can be deployed by one person and easily camouflaged in a target area of interest. The kit provides the information to immediately identify hostile or illegal activities. The user can play back any video event using DVR controls at the User Interface. The video kit is compatible with commercial smartphones and tablet devices. The user can command and control the system from any user interface.

The vWatch® small Tactical Video Kit, provides day and night surveillance video. The video resolution can clearly identify hostile activities. Very importantly, the video cameras are triggered by McQ's small iScout® and rScene® target detection sensors in a significant power saving architecture. The video surveillance can operate for long periods on a small battery. The cameras and wireless video link to the user remain in a very low power sleep mode until the iScout® sensor cues the camera. The live video begins streaming immediately over a wireless communications network to the user. The vWatch® Image Processing Node (IPN) compresses the video to match the throughput of the communications network. The Network can be cellular, Satcom via Iridium Next, or terrestrial over IP links. The cameras, the electronics unit, the communications units, and the triggering sensors are all very small meaning they can be easily hidden. The small size and light weight means one person can carry and quickly install the video kit. The kit therefore provides persistent, reliable, and effective real time imagery while remaining virtually undetected.



The Portable vWatch® ISR Video Kit is easily carried to a remote site, can be set up in minutes, and there are a variety of user displays like Smart Phones and Tablets to view video. vWatch® video is easily distributed to many users over networks.

- Battery Operated Surveillance
- Wireless Communications
- Day and Night Cameras
- Persistent Surveillance
- Small Size & Weight with Battery
- Video on Smartphones and Tablets
- rScene® Triggering Sensor
- Map Based User Display
- Video Storage and Replay
- User Interface System Control
- User Interface Map Display
- iScout® Seismic, Magnetic, Acoustic, and Passive IR Triggering Sensors

Specifications may change due to product enhancements.

For more information on any of our products or services please visit us on the Web at: [www.mcqinc.com](http://www.mcqinc.com)

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