

Tough sensors for an insensitive planet

# OmniWatch®

*Your Eyes on the World*

## OmniWatch® DESIGN

OmniWatch® has been designed to operate under difficult environmental conditions to provide high resolution video to the user. OmniWatch® is a battery operated RF wireless IP video solution that is ideally suited for quick set up in remote areas and for easy movement from one location to another. The design includes both a daytime 3.1 Megapixel color camera and an uncooled thermal IR camera for nighttime use. The RF wireless IP communications network delivers the video via OmniWatch® RF Repeaters to a Base Station. The OmniWatch® Base Station connects the video to the User Interface either directly at a site or over any conventional IP network. McQ has designed a video network management system that will support a large number of cameras without slowing down the network. The OmniWatch® User Interface is a map based GIS display showing where the video camera is located and with a pop up video window when target activity is occurring. The user controls the OmniWatch® system from the User Interface.

High resolution motion video in remote areas is sent over an IP wireless network. OmniWatch® is integrated with our map based user interface to automatically provide video when target activity is detected.

- Remote Area Viewing Using Wireless Communications
- Facility Perimeter Security
- High Resolution Video Day and Night
- Automated Target Detection
- Slew to Sensor Detection Cue
- All Video Stored on a Server
- Complete DVR and System Control
- Map Based User Display



# OmniWatch® Features

## OmniWatch® OPERATIONS

OmniWatch® provides the user with high resolution video that is triggered by target activities of interest to the user. The system is integrated with intelligent unattended ground sensors that discriminate targets by their type, such as people or vehicles, and their direction. This unique capability means video is triggered as a target of interest approaches so the target is not missed and the operator is alerted to the activity. The OmniWatch® video cameras also detect target activity in the field of view that enables the camera to automatically end video when the target is not present. A Pan and Tilt option automatically slews the cameras to a target detected by the sensors. This combination of video triggering means the user knows when activity is taking place, receives video for the entire event, stores the video for easy review, and does not need to watch a display constantly to see activity.

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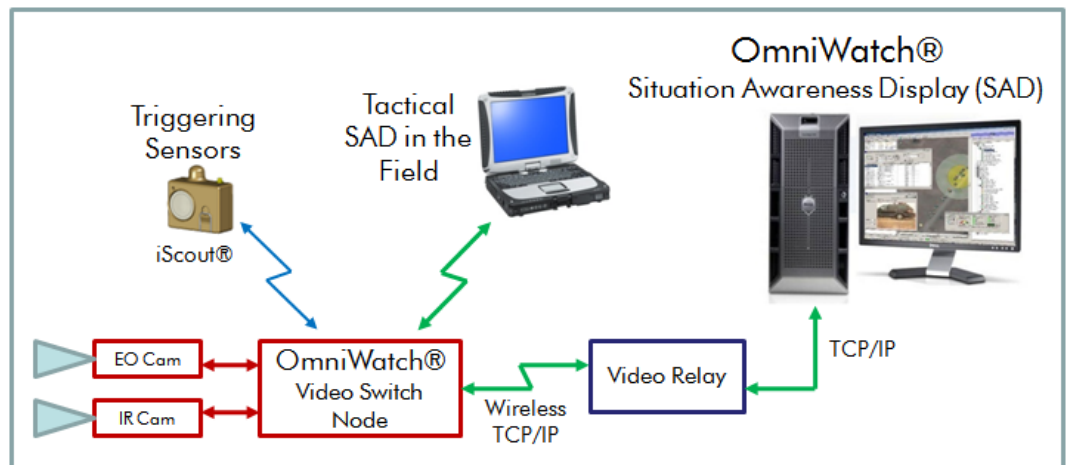
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OmniWatch® transports you into remote areas giving your eyes a high resolution view. OmniWatch® technology combines RF wireless communications, image processing, remote camera control, automated activity detection, and IP network connectivity to bring you live video on a map based Situation Awareness Display (SAD). OmniWatch® is easy to set up anywhere to detect activities of interest and watch what is happening. Day and night video cameras bring you excellent quality imagery. Low power consumption along with automated camera cueing provides long term persistent surveillance. Easy DVR style control replays target video while live video remains available for viewing.

OmniWatch® is an integral part of the McQ family of sensors. Cueing sensors can be placed in the area of the video cameras to detect activities and then turn on the high definition imager. The OmniWatch® system has a Pan and Tilt platform that will slew the cameras to the sensor location when it detects a target. The operator can also manually pan and tilt, as well as, set up a sentry mode that will slew to preset locations to monitor points of interest. Users can be great distances from the area under surveillance and gain a full understanding of any activity. Remote camera pan, tilt, and zoom can be provided as part of the full command and control available to the operator. The IP connectivity of OmniWatch® allows many users to have access and the information can be sent real time via a network to any location in the world. The system is compact, lightweight, battery powered, and can be easily set up in remote areas.



### OmniWatch® Perimeter Security Systems for Facility Protection Provide High Performance Intrusion Detection With Excellent Video Imagery Resolution of Targets Day or Night.



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