

# OMNIWATCH

## INTELLIGENT C2 & SENSOR MANAGEMENT PLATFORM

INTEGRATED SENSOR MANAGEMENT,  
AUTOMATED CUEING,  
AND C2 DATA INTEGRATION.

McQ OmniWatch® is the common software platform for managing McQ sensors, processing sensor events, and integrating data with external C2 systems.

Built to consolidate multi-domain ground sensors, micro-radars, and optical payloads into a common operating picture, OmniWatch turns raw edge data into immediate, actionable alerts without overwhelming operator bandwidth.

## RESULTS

- Unified Command & Control
- Automated Target Cueing
- Direct TAK & C2 Integration
- Data Export via CoT, XML, and JSON

# McQ OMNIWATCH®

## CENTRALIZED COMMAND & C2 INTEGRATION

McQ OmniWatch is the central command and control software interface powering McQ's entire line of advanced ISR technology. By unifying real-time ground sensor alerts, micro-radar tracking, and automated video capture into a single map interface, OmniWatch delivers immediate, actionable alerts while seamlessly pushing critical target data directly into TAK servers and common operating pictures.



### FULL-SPECTRUM SENSOR CONTROL

Complete configuration, device control, and automated target cueing for RANGER® sensors, rScene® micro-radars, vWatch® cameras, and OWL® payloads through a map-based interface.



### OPEN C2 & TAK SERVER INTEGRATION

Seamlessly exports target tracks, sensor alerts, and visual evidence directly into TAK servers and common operating picture (COP) systems via McQ OmniPush.

## OPTIONS & OPERATIONAL FIT

### OMNIWATCH TACTICAL

Purpose-Built for Dismounted & Forward Edge Operators

- Platform:** Android OS (Tablet / Mobile)
- Comms:** 900MHz Wireless Link (WMR), Bluetooth, USB, Cellular
- Integration:** Native Android App & TAK Plugin Compatibility
- Deployment:** Lightweight mobile UI for squad-level operations.

### OMNIWATCH

Single-Node Command & Control for Fixed or Mobile Operations

- Platform:** Windows 11 Desktop / Rugged Laptop
- Comms:** IP Network, McQ Base Station, 900MHz TNet
- Storage/Database:** On-board archival database for local target logging & playback.
- Deployment:** Dedicated local workstation command hub.

### OMNIWATCH ENTERPRISE

Distributed Intelligence Across Multi-Server & Global Networks

- Platform:** Windows 11 Desktop / Rugged Laptop
- Comms:** IP Network, McQ Base Station, 900MHz TNet
- Storage/Database:** On-board archival database for local target logging & playback.
- Deployment:** Dedicated local workstation command hub.

| CHARACTERISTIC       | CAPABILITY & SPECS                                                                                                  |
|----------------------|---------------------------------------------------------------------------------------------------------------------|
| Primary Capabilities | Target Detection Display, Audio/Vibration Alarms, Map Overlays, rScene Radar Track Rendering, vWatch Video Replay   |
| Sensor Configuration | Full remote parameter control for base stations, repeaters, detection algorithms, and health report intervals       |
| Supported OS         | Android (Tactical) / Windows 11 (Standard & Enterprise)                                                             |
| System Integrations  | TAK, Multiple 3rd Party via McQ OmniPush                                                                            |
| Network Protocols    | Standard & Enterprise use TCP/IP with Optional SSL Encryption; Tactical uses 900MHz TNet                            |
| Hardware Link (WMR)  | 900 MHz Spread Spectrum (10 Channels), Bluetooth & USB Connectivity; BSR for Standard & Enterprise that uses TCP/IP |

## MAXIMIZING THE McQ ISR ECOSYSTEM

A standalone sensor detects a threat, but OmniWatch unifies your entire force protection net into a synchronized defense engine.

- Centralized Sensor Data:** Brings data from Ranger, rScene, vWatch, and other connected sensors into a common operating picture, allowing operators to visually correlate detections and activity across sensor types.
- TAK Integration via OmniPush:** Delivers McQ sensor data to TAK environments through OmniPush, McQ's proprietary software integration, providing tactical users access to relevant sensor information.
- Prioritized Data Delivery:** McQ's TNet delivery protocol prioritizes critical detection messages from sensors to the backend, with acknowledgments and retries designed to support reliable delivery across tactical communications networks.
- Unified Fleet Configuration:** Adjust detection sensitivity and configure communications settings across deployed field assets from a centralized software interface.