



Recon® V OverWatch – R50™

About Recon V OverWatch – R50

The Recon V OverWatch Kit (R50) pairs Sigma's OverWatch™ system with the Teledyne FLIR Recon V thermal binocular to deliver long-range detection, identification, and alerting in the most demanding environments. Designed for dismounted teams or fixed observation posts, the R50 can be backpacked or mounted for persistent surveillance, giving commanders extended reach and precise situational awareness beyond line of sight. Fully integrated with Tactical Assault Kit (TAK) and Mission Command Host (MCH), it allows operators to stream live video, snapshots, and sensor metadata across any tactical network—instantly transforming the Recon V into a shared, networked surveillance asset.

How R50 Supports the Mission

Surveillance and Reconnaissance — Long-range thermal and visible detection with live streaming, recording, and change-detection alerts for persistent overwatch.

FOB Perimeter Security — Provides 24/7 standoff surveillance, cueing operators to movement or approaching threats before they breach the perimeter.

Asset Monitoring — Enables remote observation of key assets or terrain features, transmitting stabilized, geolocated imagery to commanders through TAK networks.

Force Protection — Extends the team's visual reach, detecting and identifying threats from a distance to give operators critical seconds of advantage.

Change Detection and Alerting — Built-in analytics highlight motion and scene changes automatically, allowing unattended monitoring with immediate notification of new activity.

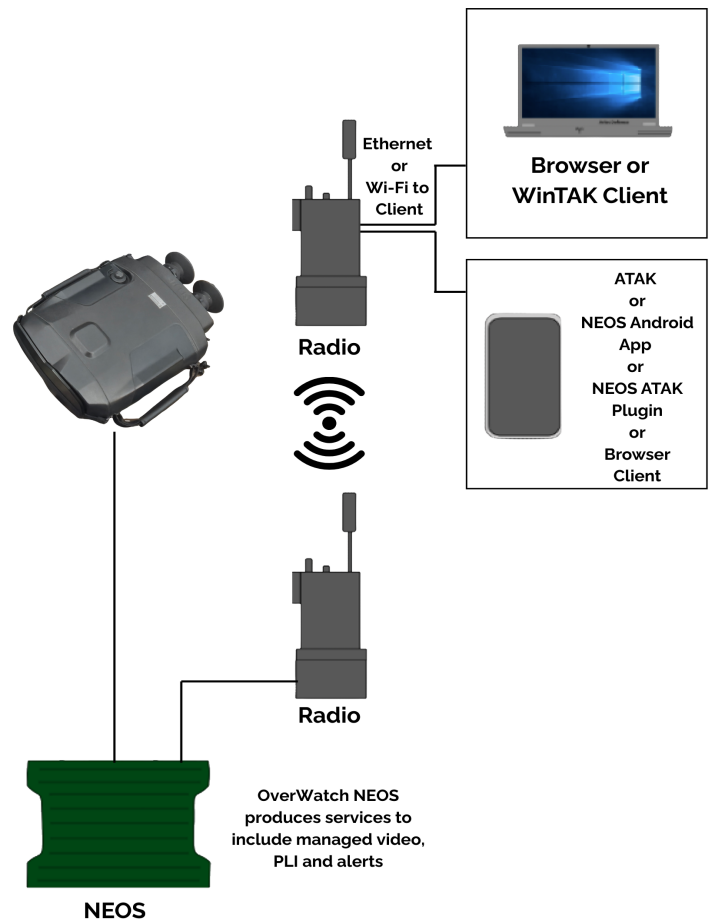
Situational Awareness — Integrates Recon V sensor data and video directly into Android Tactical Assault Kit (ATAK) or MCH for a shared, real-time operational picture across the team.

The R50 allows team to detect, identify, and track threats long before they're visible—turning standoff distance into decision advantage. It extends a commander's reach, delivering precise, real-time awareness that shapes the fight before it begins.



R50 Features

EMCON — Avoids detection with zero Wi-Fi or Bluetooth emissions.



Operating Temp: -40C to 105C