PROBLEM: Gaps in Force Protection

A force moves into a temporary position. With no time to set up the elaborate sensors of a base, how can they be protected? How can they receive wide-area surveillance immediately upon arrival? When there is no time for building fixed security measures and the threat is immediate, the gap needs to be filled with a rapidly deployable, integrated surveillance system.

At a Forward Operating Base, the security patterns are closely monitored by asymmetric threats, determined to identify and exploit holes in the security architecture. Defenders need to fill the gap, upsetting the adversary’s calculations with a new and unexpected level of security.

SOLUTION: SRI Sarnoff View 360 Situational Awareness System

A compact, vehicle-mounted module, the View 360 system provides 360-degree surveillance with automatic threat detection and tracking for multiple targets. The integrated HGH™ VIGISCAN™ high-resolution infrared camera uses thermal emissions only—no external light or thermal source is required to provide increased situational awareness in light-obscured environments.

Where the human field of vision covers about 180 degrees, this system embraces a full-circle 360 degrees horizontal by 5 degrees vertical. From a stationary platform, the View 360 system can detect and track crawling and walking persons at ranges up to 1km and vehicles at up to 2 km.

Constant vigilance is stressful and exhausting. To minimize pressure and maximize operator effectiveness, the View 360 system automates threat tracking. Operators can zoom in on areas of interest, while maintaining 360-degree situational awareness via “turnstile drum” display or four 90-degree viewing angle strips.

In addition to the sensor, the system integrates a hatch mount, computer, high definition touchscreen display, trackball controller, and power interface box. The system deploys in less than four hours using same hatch installation pattern as a remote weapon station. A built-in digital video recorder supports operator playback, forensics, and training. A standalone training kit is also available.

The View 360 provides quick and accurate threat assessment with full-circle, intelligent surveillance.