OUTPOST SURVEILLANCE™

Cobra

FRONT

BACK

Eagle Eye

9.875"

360 DEG PAN

4"

EAGLE EYE 360

COBRA DESCRIPTION

Cobra, a laser-based wireless network tripwire capable of detecting targets up to 420 yards, possesses a unique selective range gate feature allowing an operator to designate an active tripwire segment or ray. The Cobra unit is designed to operate continuously for extended periods of time as a primary tripwire. It includes a digital compass for resolving magnetic heading, a 3-axis accelerometer for tamper detection and inclination data, and scope mount to facilitate aiming.

EAGLE EYE DESCRIPTION

The Eagle Eye 360 product developed by Custom Manufacturing & Engineering™ (CME™) for the Outpost Surveillance sensor product line is a 360-degree fully static solid-state pan capable camera module for ISR applications. It is outfitted with a 360-degree array of micro imagers. Eagle Eye 360 micro imagers are microprocessor controlled and provide individual or seamless 360-degree image resolution with no camera movement. The embedded firmware allows modules to be configured for a broad range of system applications.

www.custom-mfg-eng.com
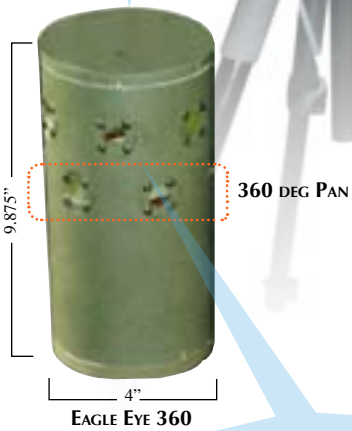
DESCRIPTION

Outpost Surveillance is made up of modular components that are universally applicable in creating any type of tactical operation center sensor system. In regards to Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR), Outpost Sentry VU provides the commander tools and situational awareness to support the battlefield. The plug and play capabilities in both networking and sensor integration facilitate a reduction in training, deployment, and operational time.

Outpost Sentry VU provides a plug and play implementation that reduces the need for support will come from the application of technology at lower echelons and fewer resources. Sentry VU connects over the Ethernet to any TOC and provides an interface between multiple vendor sensor systems and TOCs. Presently CME and L3 BAIS sensors are supported. The concept will be extended to Falcon Watch and other sensor systems, as required.

Outpost Sentry VU is comprised of a military grade server in a fanless, weather resistant enclosure. It includes a Linux operating system, an Apache web server and My SQL database to support the web-based Sentry VU application. Sensor data is collected and stored in the database, including pictures that are taken by cameras. Sensors like PIR and seismic-acoustic can be used to trigger a picture to be taken by any camera on any sensor system regardless of vendor. The database can then be searched for information based on time of day, sensor, location, etc.

Alert notification is sent to the user whenever a sensor detects an intrusion and pictures associated with that event can be viewed. CME's Outpost Sentry VU converts sensor outputs and inputs to a web-based format and is served up as web pages within the user's browser. No application software is required and any standard web browser can be used.