

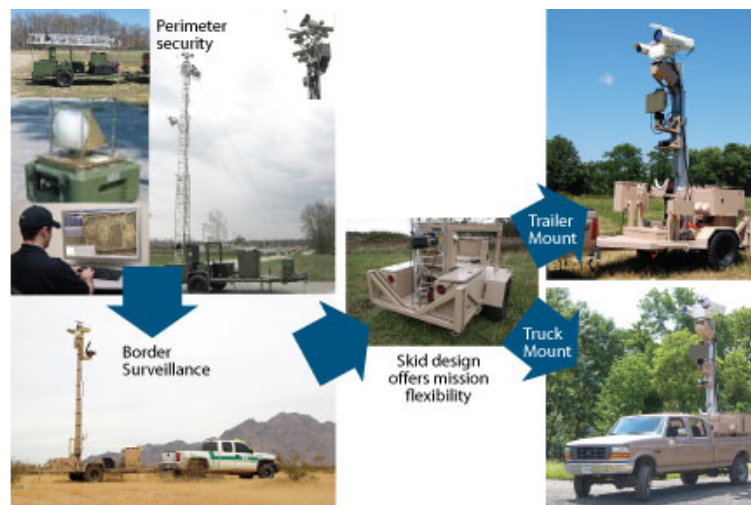
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CERBERUS

FORCE PROTECTION SENSOR SUITE

Description: Tower-mounted sensor suite for outward looking perimeter security and border surveillance. Employs multiple detection and assessment technologies for a variety of terrain applications. Each self-contained suite is mounted on a skid w/ trailer for ease of deployment and relocation. Range is determined by the detection and imaging sensor selection, however the sensor control architecture remains constant allowing mixed sensor suites to network together via wireless Local Area Network (LAN) for control and annunciation on a common display. - **MISSION SCALABILITY**-

Detection Sensors: One ground surveillance radar is used for each tower. The system provides continuous tracking of all targets in the detection area. The target positions are indicated on a screen and have user definable areas of detection in both range and azimuth. Processed target range and bearing steers a day/night camera for pop-up video on screen with camera direction overlay.



Each tower may contain up to four video motion detectors that operate through day/thermal cameras. User definable sensitivities and active area to reduce nuisance alarms. Such alarms are indicated on screen with pop-up video outlining the intruder and direction of motion.

Up to sixteen unattended ground sensors (UGS) and the family of tactical CBRN point sensors may be used on each tower. Alarm and location are indicated on screen while the location is forwarded to the slew day/night camera with pop-up video on screen for assessment. Each tower can also use up to two Imaging UGS. The Imaging UGS incorporate concealed day/night video cameras that include a transmitter for real time pop-up imagery in non-line-of-sight locations.

Assessment Technologies: The slew-to-cue platform consists of both day and night imagers that are mounted on a pan/tilt platform. The imagers are sized for the detection sensors. In all configurations the pan/tilt is automatically slewed by alarm input, can be clicked to slew or manually driven to the alarm location on the display. Slews occur from ground surveillance radar (GSR), programmed UGS or other alarm modalities' inputs.

The video motion detection cameras use color video cameras with low-light capabilities and an integral 18X zoom, as well as an optional un-cooled IR bore-sighted camera to color camera if required. This camera uses a fixed mount that is positioned during tower setup. The display is on a large panel plasma monitor with extended graphics array (XGA) resolution.