

Surveillance Towers

Long-range sensors are required for effective surveillance of large areas such as border regions.

The multi-sensor platform (consisting of a sensor head with a thermal imaging device, CCD camera and laser rangefinder integrated into a pan and tilt head) from Carl Zeiss Optronics is installed on unmanned 50m towers. It enables day and night surveillance with an observation angle of 360°. Data is transmitted to headquarters either via fiber optic cable or radio link (depending on the distance between the tower and headquarters).

The multi-sensor platform is operated via the control console (BSAE) installed at headquarters. Transmitted images are displayed on a monitor. An electronic map with detected targets can be viewed on the second monitor (optional). Videos from the thermal imager or from the CCD-camera are recorded on a video recorder.

This system, which can be flexibly used for a variety of missions, consists primarily of standard components (industry standard).



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