



Representative Skyblazer 360° image

WIDE AREA SENSOR

SKYBLAZER

C-UAS & GROUND BASED AIR THREAT DETECTION

TAKING RESPONSIBILITY IN A CHANGING WORLD

 **RHEINMETALL**

Skyblazer provides continuous, passive wide area surveillance in the Long-Wave Infrared and Visible bands with high performance detection, tracking and wider network communication of threats. Skyblazer addresses a multitude of Short-Range Air Defence applications including Counter Unmanned Air Systems and Counter Small Air Targets suitable for a wide range of installations including fixed infrastructure, mast mounted and dismounted.

KEY FEATURES

- Configurable frame rate up to 30 Hz
- Excellent detection performance
- Automated object detection, tracking, recognition and range estimation
- Versatile and modular size, weight and power configurations to suit mission requirements
- Overhead threat detection with 3-9 configurable sensors
- Standalone GUI on rugged user device
- Support for direct integration into 3rd party C2 systems
- Designed for integration with networks of C-UAS and air defence systems
- SAPIENT Interface DEFSTAN 23-009, 00-082
- Modular approach: persistent fields of view from 90 to 360 degrees horizontal, and up to 90 degrees vertical



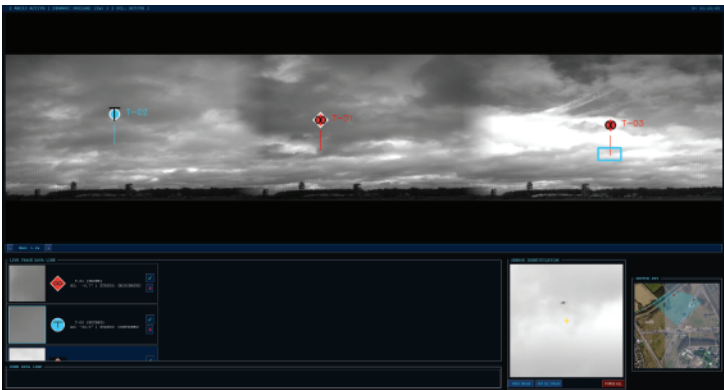
PRODUCT SPECIFICATION

PROPERTY	VALUE
Sensor technology	CMOS (high-horizon); LWIR (horizon); LWIR (top attack)
Simultaneous tracked threats	200
Track update rate	10Hz
Power requirement sensor array (per camera enclosure)	Up to 65W including overhead module
Power requirement processing	200–750W depending on sensor count
Environmental and qualification	MIL-STD-810G, MIL-STD-883G, Temperature –40°C to +70°C Def Stan 00-035, Def Stan 59-411, MIL-STD-461G
Weight	10 - 20 kg per module depending on configuration (e.g. mounted/dismounted)
Cleaning system	Optional solid state screen clearing technology

APPLICATIONS

Available as a modular non-rotating sensor system, users can select their field of detection supporting a wide range of fixed infrastructure, dismounted and unmanned applications.

- Dismounted applications for Counter Unmanned Air Systems (CUAS)
- Short and Medium Air Defence (SHORAD) - can be intergrated with other Active Sensors and GBAD C2 systems
- Dismounted, mast mounted perimeter defence, border and infrastructure surveillance



DETECTION RANGE AND INDICATION

