



WIDE AREA SENSOR

SKYBLAZER 360

360° STARRING ARRAY WITH AUTOMATED OBJECT TRACKING AND IDENTIFICATION

Skyblazer 360 provides continuous, passive 360° wide area surveillance in the LWIR band with high performance threat detection and tracking. Skyblazer 360 addresses a multitude of short-range air defence applications including C-UAS and C-SAT.

KEY FEATURES

- Static array of 16 high definition LWIR cameras at 60FPS
- Comprehensive GUI
- 100% probability of intercept
- Panoramic stitching to deliver single stitched view
ROI/threat windows with zoom view
- Automated object detection, tracking, identification and range estimation
- Modular SWaP and HMI configurations
- Powerful processing architecture
- Overhead detection module with additional 4–8 sensors





PROPERTY (STANAG MIXED MODEL)	VALUE
Detection	4700 m
Recognition	1720 m
Identification	870 m

APPLICATIONS

Long-range surveillance, C-UAS, C-SAT, RW, FW and remote towers.

PROPERTY	VALUE
IR sensor technology	LWIR uncooled bolometer
Spectral range	8 to 14 μm
NETD	40 mK
Sensor resolution	1280 x 1024 px
Vertical FoV main array (per camera)	19.9°
Horizontal FoV (per camera)	24.7°
Combined horizontal resolution	Approx. 18.7k pixels
Angular resolution	~52 px/°
Frame rate	Configurable up to 60 fps
Simultaneous tracked threats	200
Track update rate	10 Hz
Power requirement	
sensor array	Up to 65 W including overhead module
Power requirement	
processing	200–750 W depending on sensor count
Environmental	MIL-STD-810G MIL-STD-883G
	Temperature -40°C to +70°C

NOTE: REUK reserves the right to change product parameters without notice.



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