

SCM81

ReCAM vision

Twin (EO/IR) AI-POWERED
autonomous camera system
designed for C-UAS, air defence
and coast/border protection.



KEY FEATURES

- AI-Powered EO/IR Cameras
- Highly Modular - Plug and Play Optical Modules and Upgrade Packages
- Cost Effective and Exportable (non-ITAR and Dual-Use)
- Ultra-High Performance
- 1 Easy Integration ALL Cameras
- OTM (On-The-Move) and Vehicle Kits
- Compact size and low weight
- Simple deployment
- Long term support during the product life cycle

TACTICAL DATA

| | | |
|--------------------|--------|---------------|
| Clasification UAV* | 11 km | Orlan-10 |
| | 4.3 km | DJI Inspire |
| | 3.4 km | DJI Phantom 4 |

* This is the maximum range where the SkyAI/Vision Flex system will be able to autonomously find the UAS in the FOV of the camera and will draw a box around the UAS, autonomously tracking the target without any input from the operator. The range of detection is twice as long as the range of classification.

TECHNICAL DATA

| | Properties | |
|-----------------------|--|--|
| Day Camera | Resolution Focal length Field of View | 1920 x 1070 pixels 13 – 360 mm Horizontal 0.35° – 12.5° / Vertical 0.61° to 7.03° |
| Night Camera | Resolution Focal length Field of View | 1280 x 720 pixels HD Cooled Thermal 72 – 900 mm Horizontal 0.81° – 10.1° / Vertical 0.46° to 5.68° |
| Positioning | Coverage Speed Resolution | Azimut: 360°, elevation ±90° 0.008°/s – 120°/s 0.001° (0.018 mrad) |
| Power Supply | 18 - 36 VDC / 110 - 240 VAC / 50 - 500 W | |
| Operating Temperature | -20°C to +40°C | |
| Protection | IP 67 | |
| Weight | Approx. 30 kg – 45 kg (depending on configuration) | |

