

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)
- 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
- This is a partner-supplied sensor fully integrated into RETIA's architecture.

TACTICAL DATA

Classification 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 1080 pixels 13 – 360 mm Horizontal 1,08° – 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	Azimuth: 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)	

