

# SOLO+

## Smart System for Intelligence, Surveillance and Reconnaissance (ISR)

SOLO+ operates solely in critical areas without GSM coverage, waking up upon presence detection to record electro-optic and thermal videos. It performs on-device analysis using edge AI and sends hd photos of humans, vehicles, etc., to relevant units via satellite, making it ideal for surveillance in areas like critical trails where conventional networks are unavailable.

The integration of edge AI is vital, as it minimizes satellite communication bandwidth and costs by filtering data on the device, ensuring only relevant detection events are transmitted. This efficiency reduces the volume of data sent, decreases latency, and lowers communication costs by avoiding false positives.

With its motion detection feature, SOLO+ automatically records and analyzes footage, enabling real-time response to potential threats. This makes SOLO+ a dependable and efficient surveillance system for secure, autonomous operation in remote and sensitive locations.



### TECHNICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS	PARAMETERS	SPECIFICATIONS
Mass <sup>1</sup>	1.2 kg	Wake-up Method	3 x Motion Sensor
Dimension	104x128x108 mm	Wake-up Range	30 m
Power Source	8 x Li-ion 18650 Rechargeable Built-in Batteries (Internal)	Image Sensor	Electro-Optical and Thermal Camera
Operation Time <sup>2</sup>	360 days (with Built-in Batteries) Continuous (with Solar Panel)	Illumination	Infrared (IR) LED (Invisible to human eye)
Operating Temperature	-30 to +60 °C	Image Analysis	Detection on the Edge Device with AI (Person, Animal, Vehicle, Other)
Ingress Protection Class	IP68	Data Encryption	AES-256
Data Transmission <sup>3</sup>	Iridium Certus 100 (IMT)	Coverage <sup>4</sup>	World-wide

### CARRYING CASE

Mass	1.72 kg (empty)	Dimensions	345x302x150 mm
Ingress Protection Class	IP67	Other	MIL-STD-810G

<sup>1</sup> May vary depending on configuration. <sup>2</sup> Operation time depends on detection and transmission count.

<sup>3</sup> Satellite data plan is required. <sup>4</sup> Coverage area varies according to the satellite network and clear view of the sky.