

SOLO - G

Smart Trail Camera/Camera Trap

SOLO-G operates in critical areas, with or without GSM coverage. It records electro-optic and thermal videos upon presence detection, then performs on-device object detection, classification, and tracking using edge AI. In areas with GSM coverage, SOLO-G sends high-quality detection photos and videos of humans, vehicles, etc. In areas without GSM coverage, it can only send cropped object images via satellite.

The integration of edge AI is vital, as it filters data on the device, ensuring only relevant detection events are transmitted.

SOLO-G's design includes camouflage capabilities, allowing it to blend into its surroundings and avoid detection.

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



TECHNICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS	PARAMETERS	SPECIFICATIONS
Mass ¹	1.2 kg	Wake-up Method	3 x Motion Sensor
Dimension	104x128x108 mm	Wake-up Range	30 m
Power Source	12V Battery (External)	Image Sensor	Electro-Optical and Thermal Camera
Operation Time ²	180 days	Illumination	Infrared (IR) LED (Invisible)
Operating Temperature	-20 to +50 °C	Image Analysis	Detection on the Edge Device with AI (Person, Animal, Vehicle, Other)
Ingress Protection Class	IP68	Data Encryption	AES-256
Data Transmission ³	Satellite and GSM	User Interfaces ⁵	Web and Mobile Applications
Coverage ⁴	World-wide		

CARRYING CASE

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

¹ May vary depending on configuration. ² Operation time depends on battery capacity and number. ³ Automatically adjusts based on availability. ⁴ Coverage area varies according to GSM and satellite network. ⁵ Mobile devices with Android and iOS operating system are supported.

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ADDITIONAL REQUIREMENTS

POWER SOURCE

12V external power supply (battery) is required and not included in the box. 12V 24 Ah battery is suggested for up to 2 months of use.

SATELLITE DATA PLAN

Iridium Short Burst Data (SBD) Plan is required. Available from vendors (Ground Control) or directly from us at an additional fee.

GSM DATA PLAN

Customers can use the local GSM Operator's data connectivity plans.

MANAGEMENT and ANALYSIS SYSTEM

For effective data gathering and analysis, each SOLO-G unit must be connected to the CENTRAL (Management and Analysis System) or integrated with the customer's services via API. We provide a complimentary service that relays data to the specified software/service endpoints or email addresses of the customer using API integration. For more information, please refer to the RobotEye CENTRAL Datasheet.

WARRANTY COVERAGE

The product comes with a limited 2-year warranty.

BOX CONTENT

Each SOLO-G set comes in a carrying case containing:

- SOLO-G Device (1 Unit)
- Antenna (2 Unit)
 - Satellite (1 Unit)
 - GSM (1 Unit)
- Connection Strap (2 Units)
- Power and Data Cable (1 Unit)
- Battery Cable (1 Unit)
- User Manual (1 Unit)