

Tweety-E Family Electro-Optical Payload

Tweety-E Family Electro-Optical Payload can be carried on various UAVs, UGVs, USVs.

The pod adopts a 2-axis gimbal stabilization built in multi-spectral imagers and various laser payloads.

It is used for target search, surveillance, tracking and positioning.

It will be widely applied in military reconnaissance, border patrol, law enforcement, search and rescue, pipeline protection, etc.



Day & night
surveillance



Information
OSD



Scan



Target
search



Target
tracking



System
self-check



Best high-definition image quality, based on infrared leading position

Use the latest generation of Infiray 12 μ m uncooled infrared detector, integrated with the leading image algorithm, and strictly control the selection of infrared lens, strive to image farther and clearer

Modular design for sensor flexibility

Modular design, multiple options of payload for configuration: Uncooled LWIR Thermal Imager / SWIR Camera / Daylight Camera / Laser Rangefinder / Laser Designator / Laser Pointer

Beneficial parent company's industrial chain

The parent company has a relatively complete industrial chain, like ASIC ISP chips and laser modules, so we can effectively circumvent technique barriers to provide extremely cost-effective products.

Extremely SWaP optimized design, ultra-light weight and small size

In the same size and weight pod, the specifications of sensor is better

Service attached to product, customization and free consultation

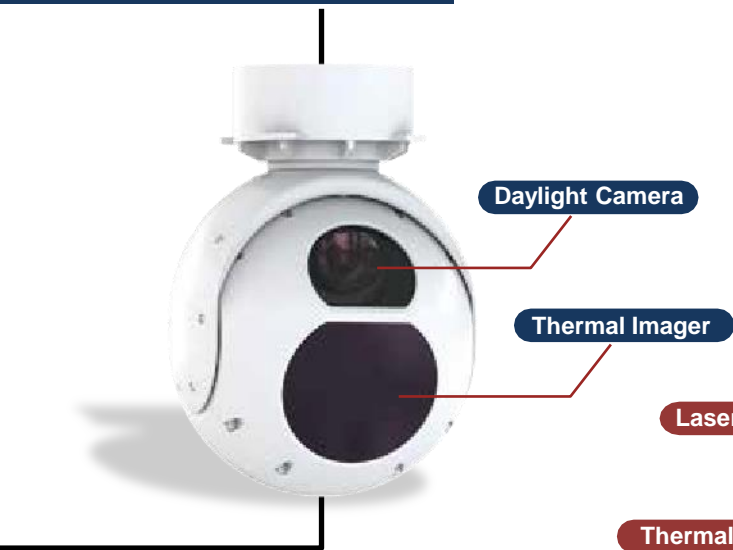
Accept customization, incorporate customer demand into design, to provide more valuable solutions

Tweety-E Family

Electro-Optical Payload

	E 120T	E 150T	E 180TF/TZ
	Surveillance / Targeting / Geolocation		
	1.4 kg	2.2 kg	3.3 kg
 VIS/IR/LRF 2.3m×2.3m	1.9 km / 1.6 km / 2.0 km	3.0 km / 1.7km / 4.0 km	3.0 km / 2.5 (2.4) km / 6.0 km
	≤ 200μrad (RMS)	≤100μrad (RMS)	≤100μrad (RMS)
	≤ 2mrad	≤ 1mrad	≤ 1mrad
	-40°C~+55°C (Operating Temperature) / IP54		

DUAL SENSORS



TRI-SENSORS

