



TRACK EYE 80/100

TACTICAL DATA. EFFECTIVE ACTION.



SMALL ELECTRO-OPTICAL, INFRARED STABILISED GIMBALLED TACTICAL SYSTEM FOR DRONES AND LOITERING MUNITIONS

The Technology & Innovation TRACK EYE, in 80mm and 100mm diameter versions, is an electro-optical, infrared, stabilised, gimballed tactical system for drones, offering a very small payload of less than 0.4 or 0.6 kg. It delivers precision stabilisation and both day and night capabilities.

While offering real-time data transmission, the TRACK EYE also features a robust design built to withstand harsh environments and weather conditions, ensuring that this subsystem for drones and loitering munitions can support missions in all types of situations.



SPECIFICATIONS

KEY FEATURES

- Small tactical payload for drones
- Precision stabilisation
- Day and night capabilities
- Robust design built to withstand harsh environments
- Real-time data transmission

SPECIFICATIONS

	TRACK EYE 80	TRACK EYE 100
Height	105 mm	128 mm
Diameter (ball)	80 mm	100 mm
Visible camera configuration	Visible resolution: 1920x1080 Optical and digital zoom: WFOV 27°-NFOV 12.5° - DFOV 3.1°	Visible resolution: 1920x1080 Optical and digital zoom: WFOV 27°-NFOV 12.5° - DFOV 3.1°
Thermal camera	LWIR uncooled (8-12 μm wavelength), 12μm Pixel Pitch, 35mm lens, Resolution: 640x480 Digital zoom: FOV 12.5° - DFOV 2.4°	LWIR uncooled (8-12 μm wavelength), 12μm Pixel Pitch, 50mm lens, Resolution: 640x480 Digital zoom: FOV 8.8° - DFOV 1.6 °
Field of regard	Pan: -170° to +170° Tilt: -45° to +135°	Pan: -170° to +170° Tilt: -45° to +135°
Control Interface	RS-232	RS-232
Video Interface	MIPI CSI-2	MIPI CSI-2
Stabilization	Less than 70 micro rad.	Less than 70 micro rad.
Power Consumption	Less than 30 W	Less than 40 W
Weight	Less than 400 g	Less than 600 g
Size	104 mm high and diameter of 74 mm	128 mm high and diameter of
Temperature	-20°C to +55°C	-30°C to +55°C

DRI based on Johnson Criteria Standard human target 1.8 m x 0.8 m

	TRACK EYE 80				TRACK EYE 100		
Type	Detection	Recognition	Identification	Type	Detection	Recognition	Identification
Visible	4054 m	1014 m	633 m	Visible	4054 m	1014 m	633 m
Thermal	2031 m	508 m	317 m	Thermal	2902 m	725 m	453 m