



TRVG-28 HIGH PERFORMANCE E/O SURVEILLANCE SYSTEM



TRVG-28 FALCON TRACER HIGH PERFORMANCE E/O SURVEILLANCE SYSTEM

General Features

Stable Electro Optical System that has Cooled Thermal/Day-Night Cameras. Designed for UAV and helicopter platforms.



20kg



280mm



4X

Digital Magnification



CMOS 1945x1225
VNIR 0.002Lux



MWIR Thermal Camera (Optional HD)
VNIR Day/Night Camera
Laser Range Finder
Laser Target Pointer (Compatible STANAG 3733)
GEO-LOC/GEO TRACK (Optional)
Embedded Video Record
Multiple Target Tracking

Thermal (MWIR) Channel



Day (VNIR) Channel





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Technical Specifications		TRVG-28
GIMBAL SPECIFICATIONS	Stabilisation	< 20 µrad rms (4-axis)
	Weight	< 20 kg
	Dimensions	280x365mm
	Field of Regard Azimuth	360°, continuous
	Field of Regard Elevation	-120° / 15°
	Video Output Resolution	Analog (Optional HD)
DAYLIGHT CAMERA	Field of View Horizontal	1.4° to 15°
	Digital Zoom	4X
	Sensor Type	CMOS 1945x1225 VNIR 0.002Lux, Global shutter
INFRARED CAMERA	Spectral Band	< Cooled MWIR 3 – 5 µm detector
	Field of View	WFOV 1.8°, NFOV 15° motorized athermalised optical zoom lens
	Resolution	640x512 pixel (Optional HD)
EYE SAFE LASER RANGE FINDER	Wavelength	Class 1 - Eye safe
	Resolution	5m
	Range Measurement	50m to 20km (2.3m x 2.3m NATO Target=8.9km)
ENVIROMENTAL	Compatibility	MIL STD 810
	Operating Temperature	-20/+55 °C
	Storage Temperature	-55°+85°
	Interface	RS-232, RS-422, STANAG 3350 B HD-SDI
	Video	3350B, NTSC or PAL
OTHER SPECIFICATIONS	Power Supply	18-36 VDC, 150-watt nominal (peak 300W)
	System Features	Operator Control Unit
	System Options	ND capability, LD capability, Consult factory

Additional Software and Options

- Laser Target Designator
- MTT
- MTI
- GEO-LOC/GEO-TRACK
- Image Optimisation
- Embedded Photo/Video Record

