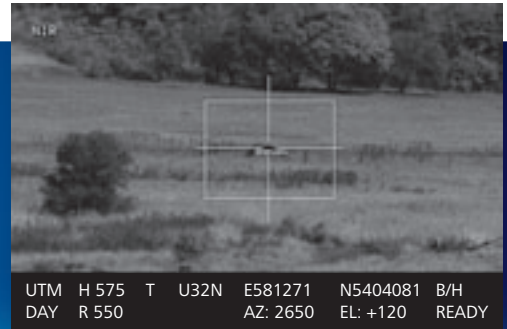
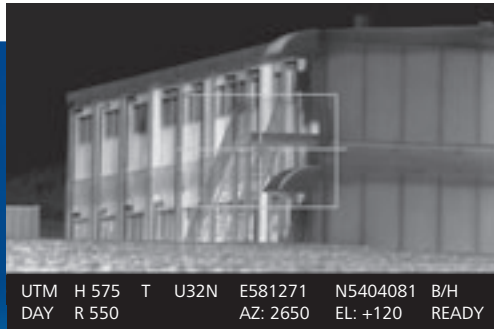


OPUS-H

Laser Target Localisation System



- Uncooled IR channel
- Direct view optical channel
- Laser rangefinder
- Digital compass
- GPS
- Digital camera
- Composite video output
- High-speed serial port



We make it visible.

OPUS-H

The OPUS-H is a world leader in its class of all weather target acquisition systems. It includes a direct view day optical channel and an uncooled IR channel which are both view-able through a binocular eyepiece, a eyesafe laser rangefinder, GPS, digital magnetic compass and a near infrared digital camera. All features have been integrated into a compact, lightweight system.

The direct view optics permit crystal clear day images even if the unit has no power. The rangefinder combined with the integrated digital compass and GPS system enable precise target location. The near infrared and IR cameras provide day or night target images that can be transmitted via a high-speed serial interface to command and control and to digital mapping systems together with the target position data for verification and mapping. The system is compatible with GPS systems such as PLGR when it needs it to be interfaced with an external GPS system.



Technical Data

Observation

Type	Direct view
Magnification	7x
Typical ranges (NATO standard)	Detection 7 km Recognition 5 km

Thermal imager

Detector	Uncooled micro-bolometer
Resolution	640 x 480
Typical ranges (NATO standard)	Detection 4.5 km Recognition 1.9 km

Laser rangefinder

Laser type	OPO shifted ND:YAG
Class	Class 1 (IEC60825-1 Ed 1.2 of 2001-08)
Range	80 – 20,500 m

Digital compass/GPS

Azimuth accuracy	1.0 °
Elevation accuracy	0.5 °
Integrated GPS	C/A type

Power

Battery /external	8x AA Batteries / 10-32 VDC
Battery life	approx – 4 hours@RT*

Interfaces

Mechanical interface	Standard 3/8" BSW tripod mount
Electrical interface	RS 232, RS 422, USB Video out PAL/CCIR
Other interfaces	External GPS (e.g. PLGR Garmin) Goniometer

Physical

Size	300 mm x 220 mm x 110 mm
Weight	<3.3 kg (without batteries)
Operating temperature	-32 °C to +63 °C
Storage temperature	-33 °C to +71 °C

* Depending on user profile and battery technology

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