

Eagle Eye Target Acquisition Binocular



V I S I O N O F T H E F U T U R E I S H E R E . . .

Vision of the future is here...Eagle Eye is the target acquisition binocular solution for the digital battlefield. This innovative product combines a long-range laser rangefinder, observation binocular, GPS, digital compass, digital camera and digital voice recorder, integrated in a compact and lightweight package.

The class 1 eyesafe laser rangefinder is safe under all conditions, yet effectively achieves measuring ranges of up to 20km. Single-pulse laser technology increases probability of ranging to distant targets without the need for tripod stabilization. The rangefinder will detect and display up to three multiple targets, at any range, and provides for user adjustable minimum range gate.

The superb observation capability offered by the 7 x 42 binocular eliminates the need to carry in-service binoculars, thereby reducing the impact of any additional mass. The high-resolution data display is projected in the lower section of the field of view, thereby allowing un-obscured vision of target observation area. The aiming reticle is automatically illuminated in low-light operating conditions.

At the press of a button, Eagle Eye will acquire and display target range, bearing, elevation and GPS location. If required by the user, an image of the target and voice description may also be captured. Eagle Eye is equipped with a high-speed external interface port to enable effective transfer of target information to digital mapping system or mission command via radio transmission. The target image and voice description facilitates target verification and mission planning, thereby reducing the risk of collateral damage.

Eagle Eye features a fall-of-shot function, which provides fire correction data for artillery and mortar forward observer applications. The system is compatible with a wide range of external GPS systems including, PLGR I, PLGR I+96, PLGR II and Garmin.

Eagle Eye`s ergonomic design and rugged construction will withstand the harshest military environments. Its user-friendly two-button operation and menu-guided display contributes to its ease of use.

Eagle Eye is at the forefront of target acquisition technology for the digital battlefield.



**TARGET
ACQUISITION
BINOCULAR**



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TECHNICAL DATA



Observation:

Type:	Binocular 7 x 42
Field of View:	7°
Independent Eyepiece Adjustment:	-4 to +4 Dioptre
Inter-pupil Adjustment:	60mm to 72mm
Laser Filter:	Against 1064 nm
Reticle Illumination:	Adjustable

Laser Rangefinder:

Laser Type:	OPO shifted Nd:YAG
Laser Class:	Class 1 Eyesafe (IEC60825-1 [2001-08])
Measuring Range:	80m to 20km
Range Resolution:	5m
Standard Measuring Rate:	1 measurement every 6 sec
Fast Measuring Rate:	1 measurement 3 sec
Multiple Target Detection:	3 targets
Target Discrimination:	50m
Adjustable Range Gate:	Yes

Digital Compass:

Azimuth Accuracy:	0,6° (2sigma)
Elevation Accuracy:	0,2° (2sigma)
Elevation/Bank Range:	± 45°

GPS:

Type:	SPS
Receiver Antennae:	Integrated, with option for external antennae

Digital Camera:

Type:	Colour, VGA Quality
Field of View:	1,6° x 1,2°

Voice recorder:

15 seconds of audio stored per photo

Power Supply:

Battery Power:	Commercial 3 x 3.6V Lithium AA
External Power:	7 to 15 VDC

Interface:

Mounting Interface:	Standard 1/4" Tripod Mount
Electrical Interface:	RS232, RS422 / RS485 and USB
External GPS Compatibility:	Rockwell Collins PLGR I, PLGR I+96, PLGR II+96 & Garmin

Physical:

Size:	180mm (L) x 175mm (W) x 85mm (H)
Mass:	<2kg
Operating Temperature:	-30°C to +65°C
Storage Temperature:	-40°C to +70°C

Specifications subject to change without notice.