

The Eagle 1-2x85 thermal imaging multi-functional binocular is a technically advanced device for observation and perimeter security. Utilizing a high resolution and advanced uncooled FPA infrared detector(Gen3) 384x288 pixels, it allows users to observe the heat signatures of people and objects in daytime or at night and through smoke, fog or camouflage. It can detect people within a range of more than 2000m.



Features

- Gold-standard BST image quality with clear 384 x 288 resolution.
- Longest viewing range in its class detects standing person 2000meters and recognize them beyond 1000m , with a 2x digital zoom and automatic brightness control with adjustment .
- Built-in GPS, compass, safe laser rangefinder and visible light observation.
- Image record and review. Video output CCIR analog video image, digital image.
- High capacity, commercially available camera battery.
- Onboard, adjustable position viewfinder.
- One-hand, direct-view operation.
- Fixed, tripod-mount, remote video capable.
- Shock protected precision optics.
- Video/image polarity selection, white-hot or black-hot .

Specification

Magnification	1-2 x
Field of view	8.7 x 6.5°
Objective lens system	85mm / F=85 mm
Material & Structure (UFPA)	384 x 288px @ 25µm
NETD	≤100mk @30°C
Spectral Response	8~12um
Detection Range	≥2000m@ Person 170cm x40cm
Focus Method	Electric Motor(electric focus lens)
Monocular Viewfinder	Monochrome (black & white)
Visible light Camera Magnification	Continuous adjust zoom
Visible light Camera FOV	34°x26° (Max)
Visible light Camera Range	≥ 3km
Laser rangefinder	≥ 2.5km
Laser wavelength	1.55um
GPS accuracy	15m
Digital compass accuracy	<1°
Video image output	CCIR
External power	12V
Power	≤7W@25°C
Weather Resistant	IP66
Operating / Storage Temperature	40°C~+50°C /-50°C~+70°C
Weight (including battery)	less than 2.8kg

