



LOW LIGHT SENSOR NIGHT VISION MONOCULAR



NIGHT VISION MONOCULAR

General Features

The night vision monocular is an optical device designed for nighttime observation. Equipped with a built-in illuminator, it provides clear imaging even in complete darkness. It delivers high-quality visuals in low-light conditions without relying on traditional intensifier tubes. Its lightweight and energy-efficient design makes it ideal for various applications.

- High-sensitivity sensor
- Clear imaging even in dim light conditions
- Compact structure, lightweight body
- All-weather use, suitable for various environments



OLED Micro-Display



Video Output



Rain-Proof



High Dynamic Range



NIGHT VISION MONOCULAR

Device Specifications	
Image sensor dimension	1"
Spectral response range	400nm - 1100nm
Image resolution	800×600
Minimum Illumination (No light compensation)	0.0001Lx
OLED resolution	800×600
Frame rate	50Hz/100Hz
Optical Specifications	
FOV	> 40° ×30°
Exit pupil	8mm
Exit relief	20mm
Magnification	1×
Min. focus distance	250mm
Diopter	-5D ~ +3D

Specifications	
Operation time	> 5 hours
Size	83×57×66 (mm) (with CR123A Battery)
Helmet interface	Can be adjusted for various helmet types
Battery	CR123A (Optional 18650)
Immersion	IP67
Weight	<260g (Peek, with CR123A Battery) (<290g with optional 18650 battery, peek)
Environmental adaptability	Operating Temperature -20° 65° (Expandable to -20° 70°)
	Storage Temperature -25° 65° (Expandable to -25° 70°)