

NOXIS-MAIR

DIGITAL NIGHT VISION MONOCULAR



OLED MICRO
DISPLAY



USER-FRIENDLY
INTERFACE



COMPACT AND
LIGHTWEIGHT



SUPERIOR VISIBILITY IN
ADVERSE WEATHER CONDITIONS



ERGONOMIC



HIGH FRAME
RATE



LOW
DELAY



HIGH DYNAMIC
RANGE (HDR)



CAN BE USED
UNDER LIGHT

GENERAL FEATURES

NOXIS-MAIR, a digital night vision monocular, adopts 2/3 inch second-generation high-performance sCMOS solid-state image sensor with super sensitivity and high reliability. It's capable of low-latency, high-speed, clear and continuous imaging under starlight conditions. By well-functioning also in strong light environment, it works day and night, and can output low-light images in real time.

TECHNICAL SPECIFICATIONS

DEVICE PARAMETERS

Image sensor dimension	2/3 inch
Spectral response range	400nm ~ 1100nm
Image resolution	800 x 600
Pixel size	10.8μm
Minimum illumination (No light compensation)	0.0001Lx
OLED resolution	800 x 600
Frame rate	50Hz/100Hz (Chinese Menu) or 60Hz/120Hz (English Menu)

OPTICAL PARAMETERS

Objective lens focal length	12mm
F/#	F1.2
FOV	> 40° x 30°
Exit pupil	8mm
Exit relief	20mm
Magnification	1×
Min. Objective focus	250mm
Diopter	-4D ~ +4D



THE PARAMETERS OF THE ENTIRE MACHINE

Boot time	< 4s
Battery	One 16340 rechargeable lithium battery compatible with CR123A disposable lithium battery and 18650 rechargeable lithium battery
Operation time	> 14hours
Size	105 x 57 x 66 (mm) Battery 18650 87 x 57 x 66 (mm) Battery 16340/CR123A
Mechanical interface	1/4-20 Inch screw thread (Attachment: Dovetail bracket connecting the whole machine)
Extensible electrical interface	9-core aviation socket
Degree of protection	IP67
Weight (Including battery, excluding holder)	< 286g (Magnesium-Aluminum Alloy, Battery 18650) / < 250g (Magnesium-Aluminum Alloy, Battery 16340/CR123A)
Environmental adaptability	Operating Temperature: -20°C ~ 55°C (Expandable to -40°C ~ 60°C) Storage Temperature: -25°C ~ 55°C (Expandable to -45°C ~ 70°C)
DRI for Human	633m (Detection) / 312m (Recognition) / 156m (Identification)
DRI for Vehicle	843m (Detection) / 422m (Recognition) / 211m (Identification)