

NOXIS-MAIR

DIGITAL NIGHT VISION MONOCULAR



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.



THE PARAMETERS OF THE ENTIRE MACHINE

Boot time < 4s

Batery One 16340 rechargeable lithium

battery compatible with CR123A disposable lithium battery and 18650

1/4-20 Inch screw thread (Attachment:

rechargeable lithium battery

TECHNICAL SPECIFICATIONS

DEVICE PARAMETERS

Image resolution

Diopter

Image sensor dimension 2/3 inch Operation time > 14hours

Spectral response range 400nm ~ 1100nm **Size** 105 x 57 x66 (mm) Battery 18650

87 x 57 x 66 (mm) Battery 16340/CR123A

9-core aviation socket

machine)

Mechanical Mechanical

800 x 600

Pixel size 10.8µm interface Dovetail bracket connecting the whole

Minimum illumination 0.0001Lx

(No light compensation) Extensible

-4D ~ +4D

OLED resolution 800 x 600 electrical interface

Frame rate 50Hz/100Hz Degree of IP67

(Chinese Menu) or **protection**60Hz/120Hz

Weight < 286g (Magnesium-Aluminum

(English Menu) (Including battery, excluding holder) (Magnetic Alloy, Battery 18650) / < 250g

OPTICAL PARAMETERS (Magnesium--Aluminum Alloy,Battery

16340/CR123A)

F/# F1.2 adaptability $-20^{\circ}\text{C} \sim 55^{\circ}\text{C}$

FOV $> 40^{\circ} \text{ x } 30^{\circ}$ (Expandable to -40°C $\sim 60^{\circ}\text{C}$) Storage Temperature:

Exit pupil 8mm $-25^{\circ}\text{C} \sim 55^{\circ}\text{C}$ (Expandable to -45°C ~ 70°C)

Exit relief 20mm **DRI for Human** 633m (Detection) /312m (Recognition)

Magnification 1× /156m (Identification)

Min. Objective focus 250mm DRI for Vehicle 843m (Detection) /422m (Recognition)

/211m (Identification)

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