TUNAY
DIGITAL NIGHT VISION MONOCULAR

GENERAL FEATURES

TUNAY, 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	60Hz/120Hz (English Menu)

OPTICAL PARAMETERS

Objective lens focal lenght	12mm
F/#	F1.2
FOV	> 40° x 30°
Exit pupil	8mm
Exit relief	20mm
Magnification	1×
Min. Objective focus	250mm
Diopter	-4D ~ +4D9

THE PARAMETERS OF THE ENTIRE MACHINE

Boot time	< 4s
Batery	163040, CR123A and 18650
Operation time	> 14hours
Size	105 x 57 x66 (mm) Battery 18650 87 x 57 x 66 (mm) Battery 16340/CR123A
Mechanical interface	J-Arm and L4G24
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: -32°C ~ 55°C Storage Temperature: -40°C ~ 70°C
DRI for Human	633m (Detection) 312m (Recognition) 156m (Identification)
DRI for Vehicle	843m (Detection) 422m (Recognition) 211m (Identification)

TUNAY
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- 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

NIGHT VISION SYSTEMS

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