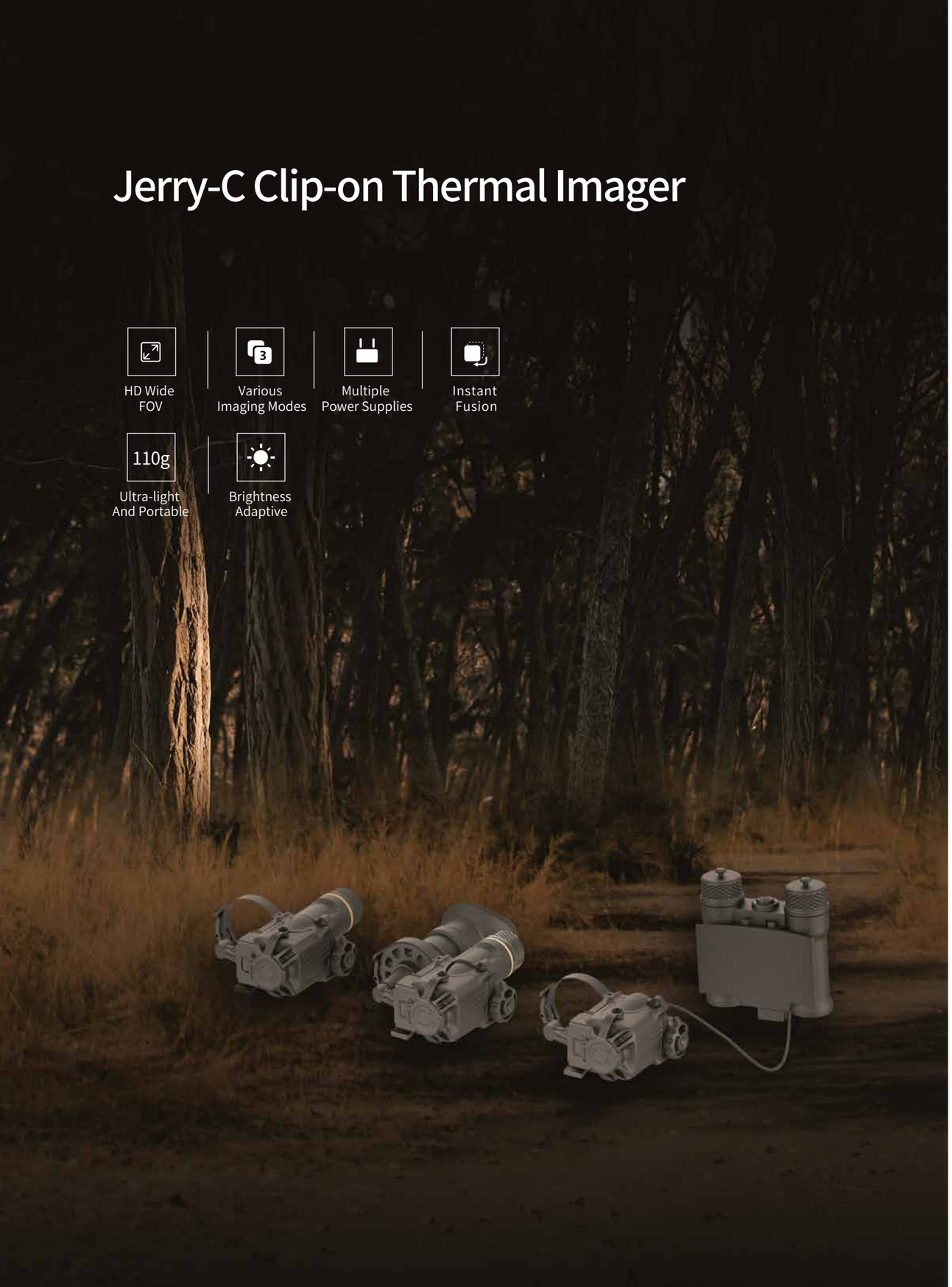
INTERNATIONAL ARMOUR

www.armour.gr

ENFORCEMENT & RESCUE THERMAL / NV / IR IMAGING

PRODUCTS

- JERRY-C CLIP-ON THERMAL IMAGER
- JERRY-14 MONOCULAR NIGHT VISION GOGGLE
- JERRY-31 BINOCULAR NIGHT VISION GOGGLE
- JERRY-F ENHANCED NIGHT VISION GOOGLE
- J-FB ENHANCED NIGHT VISION BINOCULAR GOOGLES
- JERRY-YM MONOCULAR HEAD MOUNTED THERMAL IMAGER
- TYKE-M6 MIDDLE TYPE THERMAL SIGHT
- TYKE-H6 HEAVY TYPE THERMAL SIGHT
- TYKE-CH6 HEAVY TYPE CLIP-ON THERMAL SIGHT
- PORTABLE THERMAL FUSION BINOCULARS
- TOM-HDB THREE OPTICAL CHANNELS HD BINOCULARS
- TOM-B FIVE OPTICAL CHANNELS MULTI FUNCTION BINOCULARS
- TOM-E COOLED INFRARED MULTI FUNCTION BINOCULARS
- SCOUTER LASER FINDER (LRF)



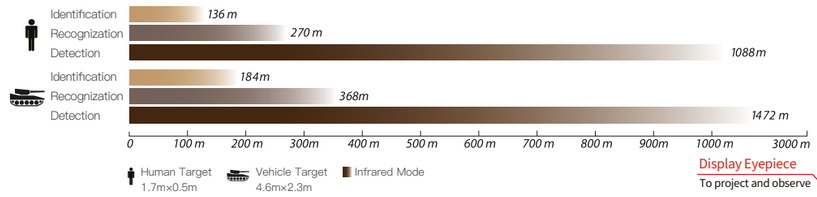
Jerry-C Clip-on Thermal Imager

Jerry-C Clip-on Thermal Imager is developed for the harsh environment that restricting the use of I^2 and CCD night vision devices. As a thermal imaging enhancing attachment, it quickly upgrades your existing device with the clip-on fusion function and multiple imaging modes. Jerry-C can improve the user's night vision awareness ability and ensure the absolute tactical advantage of prioritizing the identification of potential targets.

Specifications

Model	C5	CE5
	Infrared Specifications	
Resolution	640×512	640×512
Pixel Pitch	12μm	
Spectral Band	8~14μm	
	Optical Specifications	
Lens Focal Length	f11.52mm	
FOV	ϕ30.5°	ϕ30.5°
	Functions	
Display Mode	White hot/Highlight/Outline	
Display Functions	Normally on/Breathing	
Brightness Adjustment	Support	
Auto Brightness	Support	
Shutter Correction	Support	
Contrast Adjustment	Support	
Threshold Adjustment	Support	
Menu rollover Chinese and English	Support	
	Interfaces	
Data	RS232	
Video	PAL	
Power supply mode	17335\18650	External power supply (3~5.5V)
	Environmental Adaption	
Operating Temperature	-40℃~+60℃	
IP Encapsulation	IP67	
Weight	110g	78g

Operating Distance



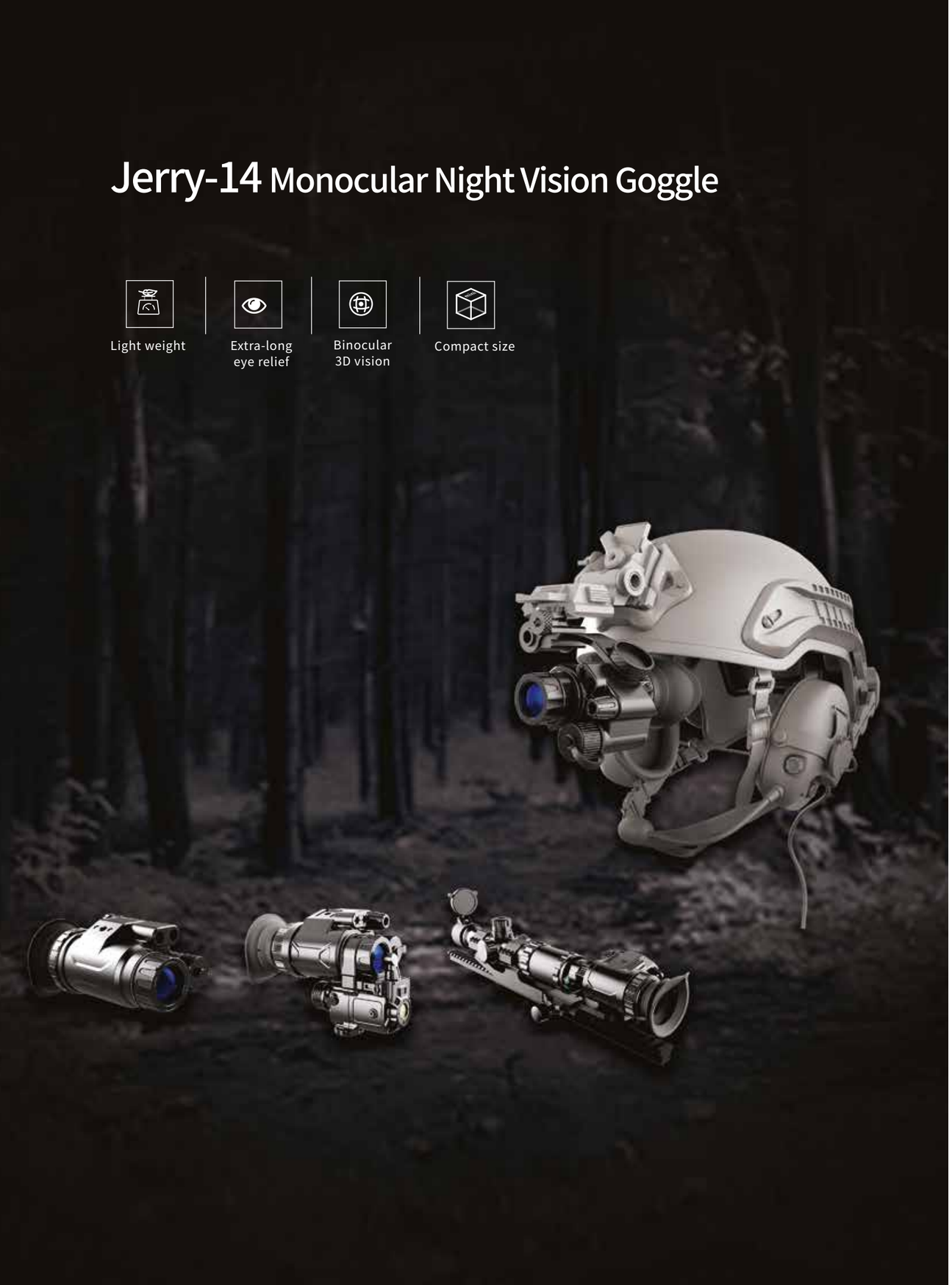
Features

- **Low loading, fast installing** Ultra-light weight, pendant for fast front mounting
- **Fusion display, fast recognition** Direct fitting fusion without adjustment, various modes to improve the recognition performance
- **Multiple power supplies** Support various batteries and external power supply

Low Light Mode

Highlight Mode

Outline Mode



Jerry-14 Monocular Night Vision Goggle

Light weight | Extra-long eye relief | Binocular 3D vision | Compact size

Jerry-14 Monocular Night Vision Goggle

Jerry-14 monocular night vision goggle adopts super second-generation low light tubes. With reliable and superior performance, compact size, and ultra-light weight, it provides high-definition images to effectively improve situational awareness and self-protection capabilities.

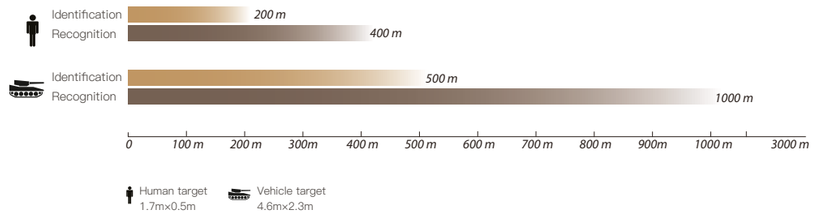
Specifications

Model	Jerry-14
Optical Specifications	
Focal Length of Objective Lens	f25mm
F#	F1.2
Focal Length Range	250mm~∞
Eyepiece Diopter	+2/-4
Magnification	1×（5%）
FOV	40°（±2%）
Eye Relief Diameter	15mm
Eye Relief	25mm
Performance Specifications	
Battery	AA
Battery Life	55h
Fill-in Light	940IR
High Light Protection	Supported
Power-off by Upturning the Support	Supported
Indicator Light	Supported
Overall Unit Information	
Dimension	128×68×69
Weight	270g
IP Grade	IP67
Interface	J ARM
Image Intensifier	
Limiting resolution	64
Signal to noise ratio	21
Phosphor	P43(White photosphorus is optional)

Low light mode

Low light mode

Operating Distance



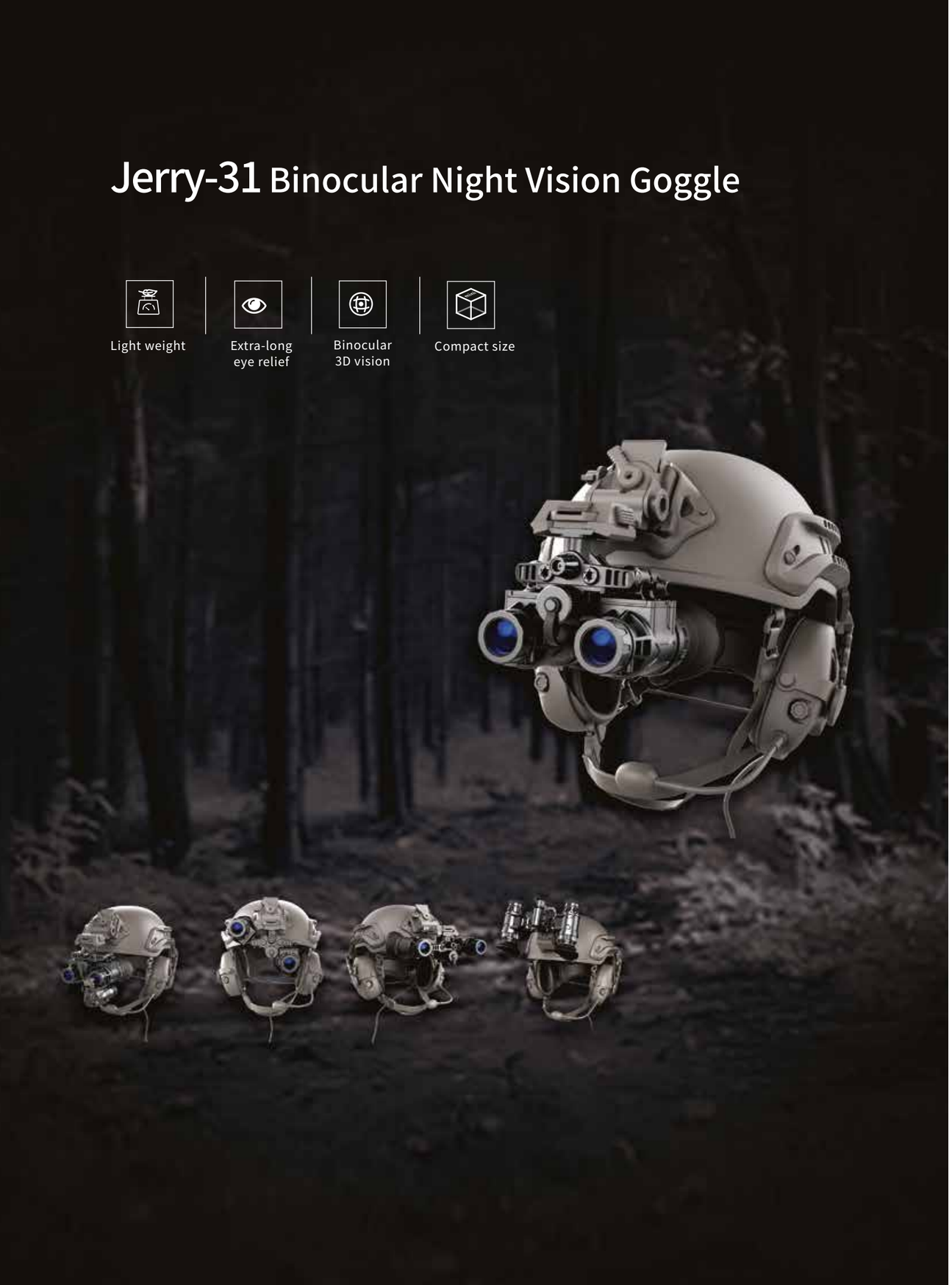
Jerry-31 Binocular Night Vision Goggle

Light weight

Extra-long eye relief

Binocular 3D vision

Compact size



Jerry-31 Binocular Night Vision Goggle

Jerry-31 binocular night vision goggle adopts super second-generation low light tubes. With reliable and superior performance, compact size, and ultra-light weight, it provides high-definition images to effectively improve situational awareness and self-protection capabilities.

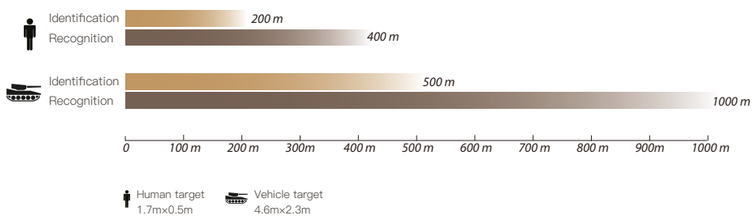
Specifications

Model	Jerry-31
Optical Specifications	
Focal Length of Objective Lens	f25mm
F#	F1.2
Focal Length Range	250mm~∞
Eyepiece Diopter	+2/-4
Magnification	1×（5%）
FOV	40°（±2%）
Eye Relief Diameter	15mm
Eye Relief	25mm
Performance Specifications	
Battery	AA
Battery Life	20h
Fill-in Light	940IR
High Light Protection	Supported
Power-off by Upturning the Support	Supported
Indicator Light	Supported
Power-off by Side-Turning the Support	Supported
IPD Adjustment	55-75mm
Overall Unit Information	
Dimension	100×89×112
Weight	470g
IP Grade	IP67
Interface	L4G24
Image Intensifier	
Limiting resolution	64
Signal to noise ratio	21
Phosphor	P43(White photosphorus is optional)

Low light mode

Low light mode

Operating Distance



- **Compacter size, lighter weight**
- 10mm shorter than the competing products
- 70g lighter than the competing products

Jerry-F Enhanced Night Vision Goggle

Rapid Target Acquisition

Multiple Fusion Modes Switchable

12μm Thermal Imaging

Low Power Consumption

Combat Information Input (HUD)

Light Weight (360g)

Extra Large Exit Pupil Diameter (15mm)

Jerry-F Enhanced Night Vision Goggle

Jerry-F Enhanced Night Vision Goggle combines I^2 and thermal imaging technologies to make up for the shortcomings of the former in detecting targets, suitable for a wider range of applications. With corresponding sighting tools, the FOV and the reticle of the sighting tool can be precisely matched to the image of Jerry-F, so as to realize the fast capture and concealed aiming of the target.

Outline Mode

Highlight Mode

PIP Mode

Specifications

Product Specifications

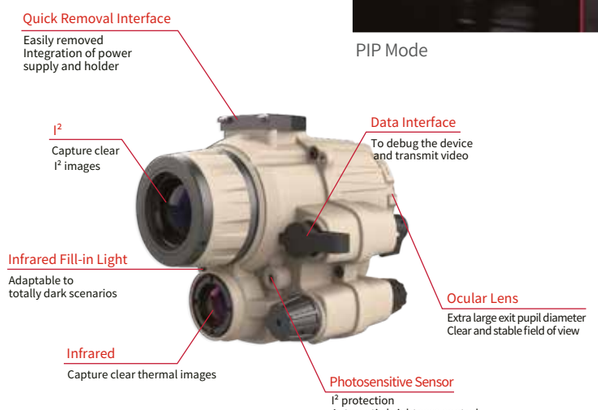
Model: Jerry-F
Visual Amplification: 1×
Exit Pupil Diameter: 15mm
Exit Pupil Distance: 25mm
Diopter: -3.5~+2.5
Weight (Without Battery Pack): ⩽380g
Operating Temperature: -40°C ~ +60°C
Battery Life (All Functions): ⩾8h
Battery Life (I^2 Only): ⩾60h
Display Mode: Black-hot/ White-hot/ Orange-hot, Outline, Target highlight, Breathing alert
Compass indication: Azimuth/ Pitch angle/ Inclination angle

I^2 Specifications

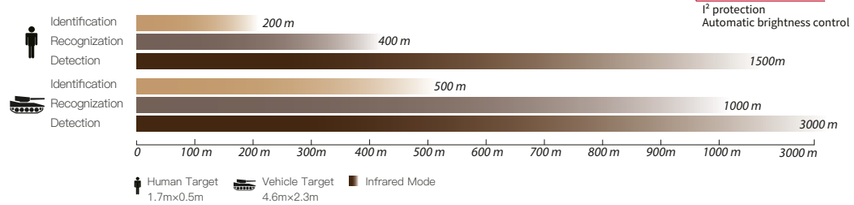
I^2 Focal Length: 25mm
Focal Length Range: 0.25m ~ +∞
I^2 FOV: 40°
Gain Adjustment: Support

Infrared Specifications

Detector: 12μm 640×512
Infrared Focal Length: 16mm
Infrared FOV: 25.8°×19.1°
Gain Adjustment: Support
Contrast Control: Support



Operating Distance



J-FB Enhanced Night Vision Binocular Goggles

Binocular Three-dimensional Vision

3rd Generation High-definition I^2 Night Vision

12μm Thermal Imaging

Rapid Target Acquisition

Combat Information Input (HUD)

Multiple Fusion Modes Switchable

Extra Large Exit Pupil Diameter (15mm)

J-FB Enhanced Night Vision Binocular Goggles

J-FB is equipped with a new generation of night vision fusion technology, by which the binocular three-dimensional imaging and thermal imaging technology make it possible for users to recognize targets and distinguish threats quickly. Matched with external devices, it can realize the functions of rapid target acquisition (RTA) and augmented reality (AR) so as to increase the ability of situational awareness and self-protection.

Specifications

Optical Specifications

Magnification: 1×
Infrared Focal Length: 16mm
Focal Length Range: 25cm ~+∞
I^2 FOV: 40°
Infrared FOV: 25.9°×20.9°
Eye Relief: 25mm
Diopter: +2/-3

Performance Specifications

I^2 Camera Tube: GEN 2+ / GEN 3
Limiting Resolution：＞64lp/mm
Signal To Noise Ratio：22
System Gain：1408
Infrared Thermal Imaging: 640×512-12μm
Display Mode: White-hot, highlight, outline
Display Adjustment: Brightness
Rapid Target Acquisition: Support
Induction Information Display: Support
Up-turning Shutdown: Support
IPD adjust：Support
Positioning: GPS/GONLNASS Dual Band
Navigation: Fixed Point Navigation - Double Point
Compass: Digital Compass

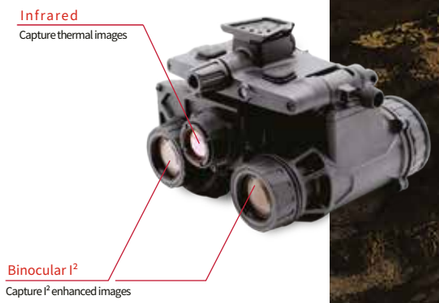
Binocular Goggles Information

Dimensions:107×115×85mm
Weight: 570±5% (goggles)/320g (battery+cables)
Battery Life: 8H (infrared fusion), 100H (I^2 only)
Power Supply Type: External battery
Bluetooth control：Support
Interface Type: L4G24
Degree Of Protection：IP67

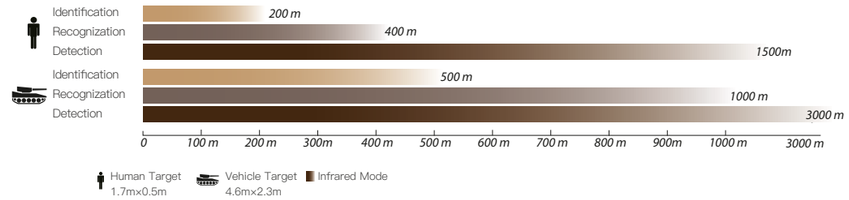
PIP Mode

Rapid Target Acquisition Mode

Night Vision Enhancement Mode



Operating Distance



Jerry-YM
Monocular head-mounted thermal imager

Monocular head-mounted thermal imager is a high-performance infrared thermal image observation equipment, which is used for individual soldiers' head mounted investigation and observation at night

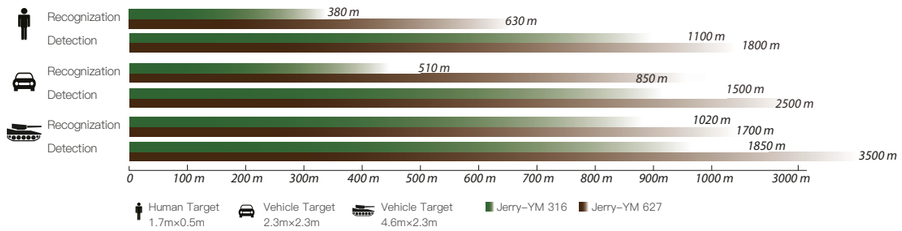
Specifications

Item		Jerry-YM	
	Name	Jerry-YM 316	Jerry-YM 627
Thermal	Pixel Pitch	12 μm	
	Resolution	384×288	640×480
	Frame Rate	50 Hz	
	Display(OLED)	1024 × 768	
Optical	Focal Length F1.0	16mm	26.7mm
	FOV	16.3° X 12.3°	
	Optical Magnification	1 x	
	Diopter Adjustment	-5 , +2	
	EYE Relief	＞20mm	
Physical Interface	Type-C	power input, serial port, video output	
Display Mode	Polarity	blackhot, whitehot, iron, color palettes	
	Mode	default, outdoor, polar, rainforest	
Functional Parameters	E-zoom	1-4×	1-8×
	Electronic Compass	azimuth, pitch, roll	
	Wi-Fi	support	
	Video/Image Capture	support	
Power Parameters	Battery	1 x 18650 (3.7V)	
	Max. Battery Capacity(w/o Wi-Fi)	＞6h	
Identification Distance	Identification Distance(human)	380m	630m
	Detection Distance(human)	1100m	1800m
Weight & Volume	Weight(w/o battery)	＜300g	＜300g
	Volume(mm)	113×70×48	
Use Method		handheld, head-mounted	
Environmental Requirements	Encapsulation	IP67	
	Operation Temperature	-10°C-50°C	
External Interface	Type-C	Power supply, serial port, analog video output	
Necessary Accessories		Cables (USB2.0 & BNC) Helmet support, well-matched support Carrying Bag User Manual Cleaning Cloth	

Main Features

- Small volume
- Light weight
- High concealment
- Photo storage
- Video storage
- App application
- Electronic compass
- 64G storage

Operating Distance



Tyke-M6 Middle-type Thermal Sight

Wireless Image Transmission

IP67
Water And Dust Proof

Single Roller Operating

Eye Cup Preventing Light Leaking

High Reliability

Ultra-Far Vision

Low Power Consumption

Reticle ranging

Tyke-M6 Middle-type Thermal Sight

Tyke-M6 Middle-type Thermal Sight is equipped with a 640×512 infrared detector and a 45mm lens. It has a wide field of view and a very long observation distance while providing excellent thermal images.

Tyke-M6 adopts compact and concise design. It is waterproof and dustproof with excellent shock resistance. In addition, it is reliable and functional to work in any weather, terrain, and meteorological conditions.

Specifications

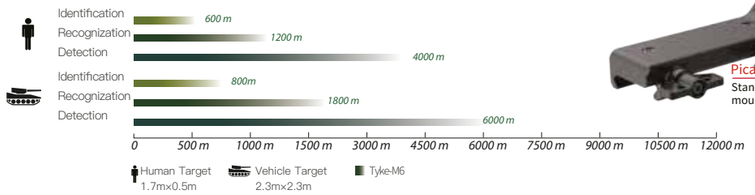
Item		Mid Type
		Tyke-M6
Module		640×512
Spectral Band		8~14μm
Pixel Pitch		12μm
Frame rate		25HZ
NETD		⩽40mk
Focal length		45mm
FOV		9.8°×7.8°
Imaging distance		30m~+∞
Screen		0.5’ OLED 800×600
Diopter Adjustment		-5~+5
Eye Relief		43mm
Reticle adjustment accuracy		⩽0.4mil
Observation accuracy		⩽0.5mil (Including repeated mounting)
Power Suply		2×18650
Weight（with battery）		⩽0.7kg
Battery Life		⩾12h
Dimensions(With EyeCup and Lens Hood)		181×73.5×105mm
Interface		External Power Supply/Analog Video (PAL) /RS232/WIFI
Operating Tempurature		-40°C~+55°C
Encapsulation		IP67
Reliability		Shock 400g/10Hz or 6000J
Altitude		⩾5000m
Environmental adaptability		All day and all weather
HumanTarget 1.7m×0.5m	Identification	600 m
	Recognition	1200 m
	Dection	4000 m
VehicleTarget 2.3m×2.3m	Identification	800 m
	Recognition	1800 m
	Dection	6000 m

Infrared Mode

Infrared Mode

Infrared Mode

Operating Distance



Tyke-H6 Heavy-type Thermal Sight

Wired and wireless image transmission

Ultra-long distance detection

Heavy-duty shock absorption high impact resistance

Manual reset preset and auto calculation

Auto detection of faults

Reverse polarity protectionand over-discharge protection for battery

Light leaking prevention

IP67 waterproof

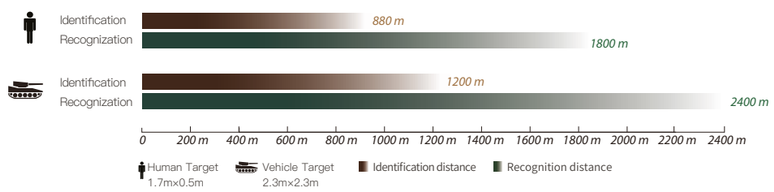
Tyke-H6 Heavy-type Thermal Sight

Tyke-H6 Thermal Sight is mainly used to be equipped on 12.7 mm rifles, machine guns, and sniper rifles with Picatinny rail. It can be used for aiming at single or clustered living targets within 1,800 m or light vehicle targets within 2,100 m. It adopts thermal imaging technology to discover and identify targets. It can also realize the accurate aiming of targets through its built-in ballistic calculation and device. Tyke-H6 incorporates a high-definition OLED screen, easy to learn and operate.

Specifications

	Description	Technical Specifications
Imaging components	Resolution	640 X 512
	Pixel size	12μm
	Spectral range	8~14μm
	Frame rate	25Hz
	NETD	⩽40mk
Objective lens components	Lens	90mm
	FOV	4.9°X 3.9°
	Imaging distance	30m~+∞
	Focusing	Side focus knob
Display components	OLED	800×600（0.5寸）
	Diopter adjustment,D	-3~+3SD
	Eye relief,mm	60mm
	Digital zoom	1-4x
	Optical zoom	5.5x
Physical property	Battery type	18650 lithium battery(Two)
	Battery life	⩾12h
	Weight	⩽1100g
	Switch-on time	⩽10s
	Dimension	220×95×106mm
Device performance	Protection grade	IP67
	Recognition distance	⩾1800m (1.7 X 0.5 human target)
		⩾2100m(2.3X 2.3vehicle target)
	Observation accuracy	⩽0.5mil (Including repeated mounting)
	Reticle adjustment sign	⩾±15mil
	Reticle adjustment accuracy	0.12mil
	Impact	1000G
Application environment	Operatingtemperature	-40°C~55°C
	Storage temperature	-43°C~70°C
	Humidity	95%±3%
	Altitude	⩾5000m
	Operational adaptability	All-weather
	Firingreliability	12,500 rounds of live fire(Half- life)

Operating Distance



Infrared Mode

Tyke-CH6 Heavy-type Clip-on Thermal Sight

Wireless Image Transmission | IP67 Water And Dust Proof | Single Roller Operating | Combined Using | Independent Using

High Reliability | Ultra-Far Vision | Low Power Consumption | Reticle Ranging

Tyke-CH6 Heavy-type Clip-on Thermal Sight

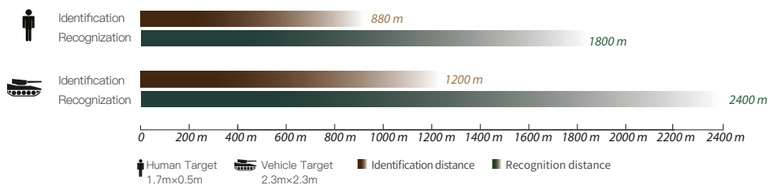
Tyke-CH6 Heavy-type Clip-on Thermal Sight is an economical thermal sight, equipped with a 640×512 thermal detector and matched with 75mm lenses. It can be used alone or in combination with a daylight scope, to provide excellent thermal images.

Tyke-CH6 features a compact and simple design, being water & dustproof, and excellent in shock resistance. It is adaptable to climate and landform changes and able to provide round-the-clock service under all-terrain and all-weather working conditions, delivering reliable and superior performance.

Specifications

Item		Tyke-CH6 Heavy-type Clip-on Thermal Sight
	Name	Tyke-CH6
Detector	Resolution	640×512
	Pixel Pitch	12μm
	Spectral Band	8~14μm
	NETD	⩽40mk
	Frame rate	25Hz
Lens	FOV	5.8°×4.6°
	Focus	75mm
Display	Screen	0.5’ OLED 800×600
	Eyepiece Magnification	3.2×
	System Magnification	1×
	Imaging distance	30m~+∞
	Focusing Method	Knob focusing
Main Functions	Zero Reset	Zero reset, precise shot
	Reticle Ranging	Stadiametric rangefinding based on people and vehicle
	Scene Set	Adaptive and manual settings are available depending on the application scenario
	Digital Zoom	1×、2×、3×、4×
	Image Modes	Black hot、White hot、Red hot、Red face、Rainbow
Physical Parameters	Dimension	144x95x136mm
	Power Supply	2×18650
	Total weight	⩽1.1kg
	Battery Life	⩾12h
	Interface	External Power Supply/Analog Video /RS232/WIFI
Environmental Adaptability	Operating Temperature	-40°C~+55°C
	Encapsulation	IP67
	Reliability	Shock 1800g/2Hz 0.2ms
	Altitude	⩾5000m
	Environmental adaptability	All day and all weather

Operating Distance




Infrared Mode


Infrared Mode


Infrared Mode

Portable Thermal Fusion Binocular

Infrared Detector

- 384×288/640x512@12μm 50Hz

Ultra-low-illumination full-color night vision

- 1920×1080@4μm，50HZ

Laser Rangefinder

- 3~1200m

Ergonomic design

- ±5D diopter, 58~72mm interpupillary distance
- Two fully sealed roller for focusing

Intelligent Image Algorithm

- PIP, hotspot tracking, full color fusion

Mobile APP connection

- Android & iOS versions
- Photo, video, WiFi image transmission, firmware update

Portable Thermal Fusion Binocular

Thermal Fusion Binocular have integrated high-sensitivity infrared detector, laser rangefinder, Wi-Fi, DMC, GPS, microphone, and 1024×768 OLED. The 1920×1080 visible light Min. illumination detectors are available for some models. The binocular can give you a super cool grip experience with its ultra-light body, and it is easy to learn with simple and smart functions. The binocular can be used for 7/24 all-weather observation with high definition, and it is suitable for scenarios such as outdoor adventure, hunting, security protection, etc.

Specifications

Technical Specifications	Portable Thermal Fusion Binocular Parameters
Model	TX650LV
	IR Detector
Resolution @pixel, frequency	640×512@12μm, 50Hz
Focal Length (manual focus)	50mm/F1.0
Zoom	2.48
FOV	8.78°×6.59°
Detection Distance (human 1.7x0.5)	4720m
Recognition Distance (human 1.7x0.5)	1180m
Identification Distance (human 1.7x0.5)	590m
	VL Min Illumination Detector
Resolution @ pixel, frequency	1920×1080@4μm, 50Hz
Focal Length (manual focus)	35mm/F1.1
	Laser Range Finding
Wavelength	905nm
Range	3-1200m
Accuracy	±1m
	System Functions
Image Mode	Visible light, infrared (white hot, black hot, red hot, iron, rainbow), fusion Note: visible light, fusion (only available for models with VL Min illumination detector)
E-zoom	1×~4×
Image Capture and Video Recording	√
Video Playback	√
Wi-Fi Transmission (ios & android)	√
PIP	√
Hot Track	√
Laser range finding	√
	Other Features
OLED Resolution	1024×768×2
Diopter Adjustment	-5D ~ +5D
Interpupillary Distance Adjustment	58~72mm
Storage	64 GB EMMC interface
Type-C interface	Power supply, data export, firmware update, and PAL video output
GPS	√
3D DMS	√
WIFI	√
Microphone	√
940nm IR Flashlight	√
Operating Temperature	-25°C~+55°C
Storage Temperature	-45°C~+70°C
Encapsulation	IP66
Weight (w/o batteries)	< 910 g
Dimension	176mm×143mm×62mm
Battery	18650×2
Operating Time	>6h

•The information is for illustrative purposes only. The pictures and technical specifications are subject to change without prior notice.

Application Fields

Enforcement

Forest protection

Geological exploration

Search and rescue

Fire rescue

Tom-HDB Three Optical Channels HD Binoculars

HD thermal images | HD color day images | Targeting positioning system | Intelligent

⩽1.1kg Lightweight | ⩾7h Long battery life

Tom-HDB Three Optical Channels HD Binoculars

Tom-HDB Three Optical Channels HD Binoculars has two HD observing channels. The color day channel has a resolution of 6,200,000 pixels, and the thermal imaging channel has a resolution of 800,000 pixels. With the built-in positioning module, digital magnetic compass, and laser rangefinder, it can quickly and accurately locate itself and the target. And the target information can be acquired and uploaded. Tom-HDB has small size and low power consumption and is adaptive to various complex climates and environments.

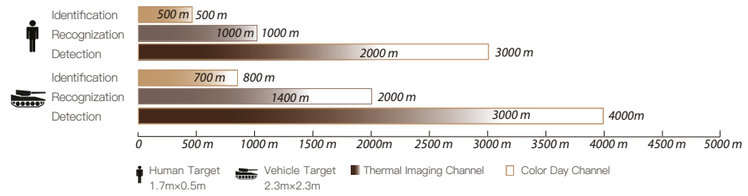
Color Day Mode

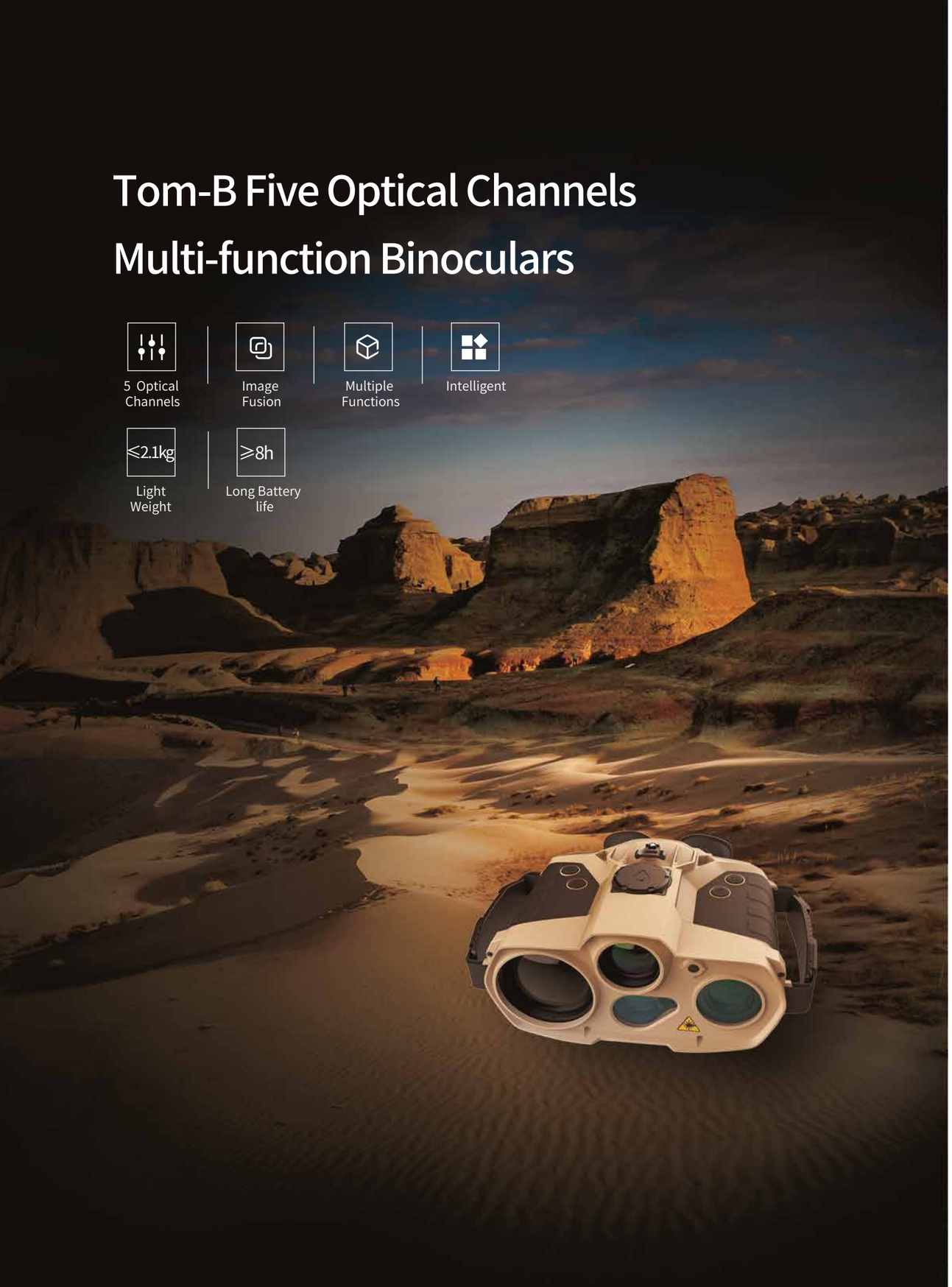
Thermal Mode

Features

Item		Thermal Imaging Channel	Color Day Channel
Detector		1024×768，12μm	2880×2160，2.0μm
Spectral Band		8~14μm	0.4~0.63μm
FOV		15.5°×11.6°	11.0°×8.2°
Laser Rangefinder		Eye Safe：1535nm Max Measuring Range：⩾3km Measuring Accuracy：2m	
Positioning Module		Positioning Mode：BD+GPS Horizontal Positioning Accuracy (CEP)：5m Elevation Positioning Accuracy (PE)：10m	
Digital Magnetic Compass		Azimuth Measurement Range：0°~360° Azimuth Measurement Accuracy：1°(RMS) Pitch Angle Measurement Range：-90°~+90° Pitch Angle Measurement Accuracy：1°(RMS) Inclination Angle Measurement Range：-180°~+180° Inclination Angle Measurement Accuracy：1°(RMS)	
Display		1440×1080 OLED	
Storage		10000 JPG&4h AVI	
Ocular Lens		-4~+4 (Diopter)	
Weight		⩽1.1kg (With battery)	
Battery life		⩾7h	
Dimension		143×164×73mm	
Interface		External Power Supply/USB/PAL/RS232/WIFI	
Operating Temperature		-40°C~+55°C	
Storage Temperature		-55°C~+70°C	
Encapsulation		IP67	
Operating Distance		Thermal Imaging Channel	Color Day Channel
Human Target 1.7m×0.5m	Identification	500m	500m
	Recognition	1000m	1000m
	Detection	2000m	3000m
Vehicle Target	Identification	700m	800m
	Recognition	1400m	2000m
	Detection	3000m	4000m

Operating Distance





Tom-B Five Optical Channels Multi-function Binoculars

Tom-B Five Optical Channels Multi-function Binoculars is a small intelligent observation device integrating infrared, low-light, visible light and laser. It has built-in location module, digital magnetic compass, and laser range-finder. With image fusion function, it can be used for day and night observation and target search. The images and videos can be taken, and the information can be uploaded in time. It is comfortable and portable to use.

Features

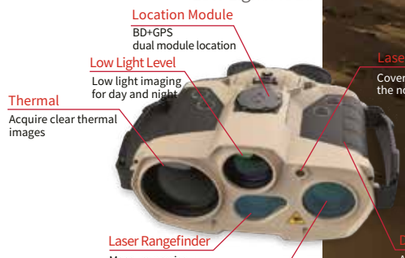
- **Thermal Channel**
  Resolution：640×512，12μm
  Spectral Band：8~14μm
  FOV：6.1°×4.8°
- **Color Day Channel**
  Resolution：4.6 megapixels
  FOV：4.6°×3.7°
- **Low Light Level Channel**
  Resolution：750×600
  FOV：6.8°×5.5°
- **Laser Rangefinder**
  Eye Safe：1535nm
  Max Measuring Range：⩾6km
  Measuring Accuracy：2m
- **Location Module**
  Location Mode：BD+GPS
  Horizontal Location Accuracy (CEP)：5m
  Elevation Location Accuracy (PE)：10m
- **Digital Magnetic Compass**
  Azimuth Measurement Range：0°~360°
  Azimuth Measurement Accuracy：1°(RMS)
  Pitch Angle Measurement Range：-90°~+90°
  Pitch Angle Measurement Accuracy：1°(RMS)
  Inclination Angle Measurement Range：-180°~+180°
  Inclination Angle Measurement Accuracy：1°(RMS)
- **Laser Pointer**
  Wavelength：830nm
  Security level：Class IIIA
- **Display**
  1280×1024 OLED
- **Storage**
  10000 JPG&4h AVI
- **Ocular Lens Diopter**
  -4~+4
- **Weight**
  ≤2.1kg（With Battery）
- **Operating Time**
  ⩾8h
- **Dimension**
  198×210×105mm
- **Interface**
  External Power Supply/USB/PAL/RS232
  HDMI
  WIFI
- **Operating Temperature**
  -40℃~+55℃
- **Encapsulation**
  IP67


Thermal Mode

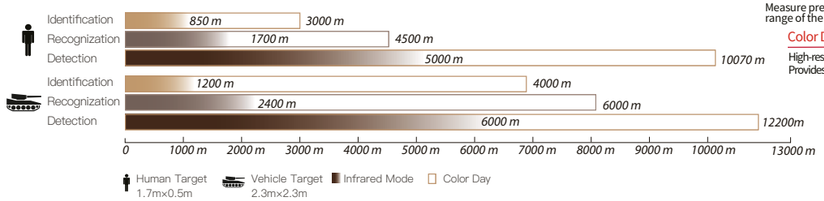

Daylight Mode


Fusion Mode


Low Light Mode



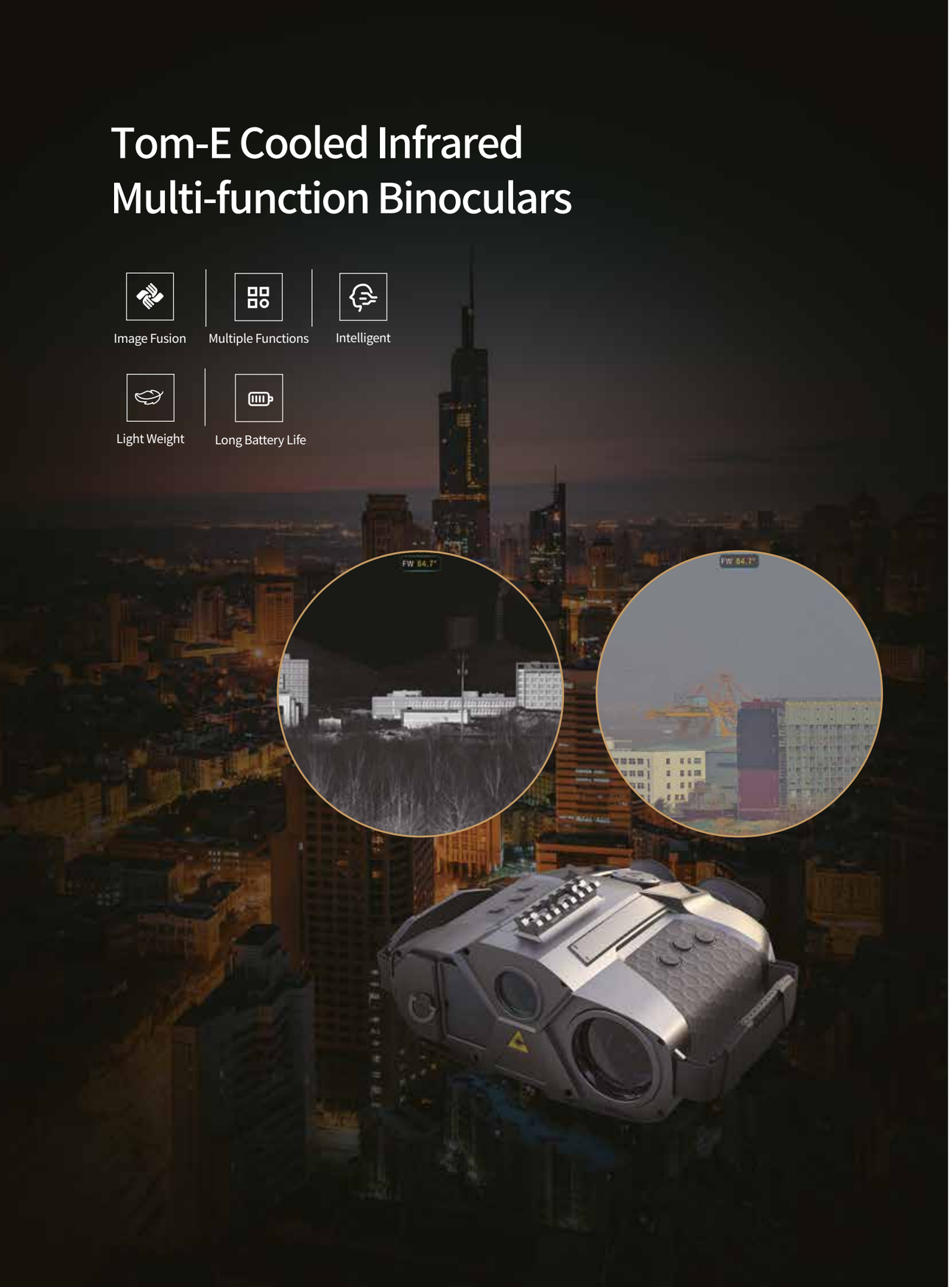
Operating Distance



Tom-E Cooled Infrared Multi-function Binoculars

Image Fusion | Multiple Functions | Intelligent

Light Weight | Long Battery Life



Tom-E Cooled Infrared Multi-function Binoculars

Tom-E Cooled Infrared Multi-function Binoculars is a small intelligent observation device integrating cooled infrared, visible light, and laser. It has built-in location module, digital magnetic compass, continuous zooming infrared lens and visible lens, laser rangefinder, WIFI module. With the functions of self-localization, target location, target labelling, and target identification, it is portable to be used for day and night observation and target searching. Fusion mode supports small field-of-view fusion.

Features

Optical specifications

Item	Infrared Channel	Visible Light Channel
Resolution	640×512, 15μm	2430×1944, 2.7μm
Spectral Band	3.7~4.8μm	0.4~0.63μm
FOV	18.2°×14.6°~2.3°×1.8°	31.3°×25.1°~3.1°×2.5°

Laser Rangefinder

Wavelength：1535nm
Max Measuring Range：50m~10km
Measuring Accuracy：±2m

Location Module

Location Mode：BD+GPS
Horizontal Location Accuracy (CEP)：5m
Elevation Location Accuracy (PE)：10m

Digital Magnetic Compass

Azimuth Measurement Range：0°~360°
Azimuth Measurement Accuracy：1°（RMS）
Pitch Angle Measurement Range：-90°~+90°
Pitch Angle Measurement Accuracy：1°（RMS）
Inclination Angle Measurement Range：-180°~+180°
Inclination Angle Measurement Accuracy：1°（RMS）

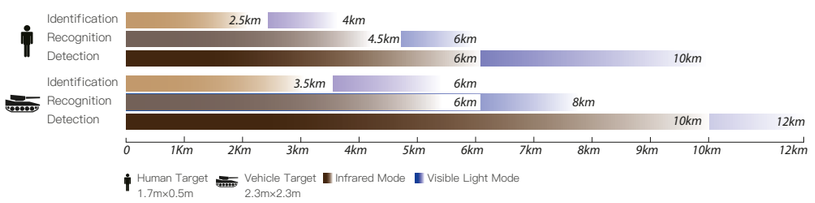
Complete Device Information

Display：1280×1024 OLED
Storage：10000 JPG&4h AVI
Ocular Lens Diopter：-4~+4
Weight：⩽3.4kg (With battery)
Operating Time：⩾6h
Dimension：260×240×120mm
Interface：USB/PAL/RS232/WIFI/BLUETOOTH
Operating Temperature：-40℃~+55℃
Storage Temperature：-55℃~+70℃
Encapsulation：IP67

Infrared Mode

Visible Light Mode

Operating Distance



Scouter Laser Rangefinder

The main functions of Spotter series Pocket Laser Rangefinder include: ranging, ranging the distance between two targets, angle measurement, real-time display of measurement data in the eyepiece, power display, data transmission and other functions（Support extended GPS/Bluetooth/Wi-Fi module）. It is mainly used for single-hand holding and equipped with tripod for long distance target. Besides, It is small size, lightweight and fitting easily into pocket.

Features

Product type	Scouter X	Scouter VI	Scouter III
Magnification	7×		
Field of view	6°/106mil		
Exit-pupil distance	20mm		
Diopter	-5 ～ +5D		
Laser type	1535nm		
range	30 ～ 10000m	30 ～ 6000m	30 ～ 3500m
Accuracy	±1m		
Angle range	Azimuth：0 ～ 360°；Inclination：±90		
Divergence	0.4mrad		0.6mrad
Detection	⩾98%		
Ranging frequency	1Hz		
Power supply	DC 6V		
Connector	Uart(TTL_3.3V)		
Number of repeated measurements (battery powered)	5000 times		
Battery type	CR123A×2		
Dimensions (L×W×H)	141×93×53mm		
Weight(incl. batteries)	460g		
Op temperature	-40~+55°C		
Sto temperature	-50~+65°C		
IP rating	IP67		


Mountaineering / Hunting


Geological Survey

weight：about 1.1kg

www.armour.gr