

Enforcement and Rescue Thermal Imaging Products



The product parameters are mainly based on the latest version,
please update the manual in time



KG-31s



KG-F



KG-FB



KG-P



KG-M



KG-H



KG-31



KG-14



KG-RM



KG-C



LRF



KG-HD



KG-HF



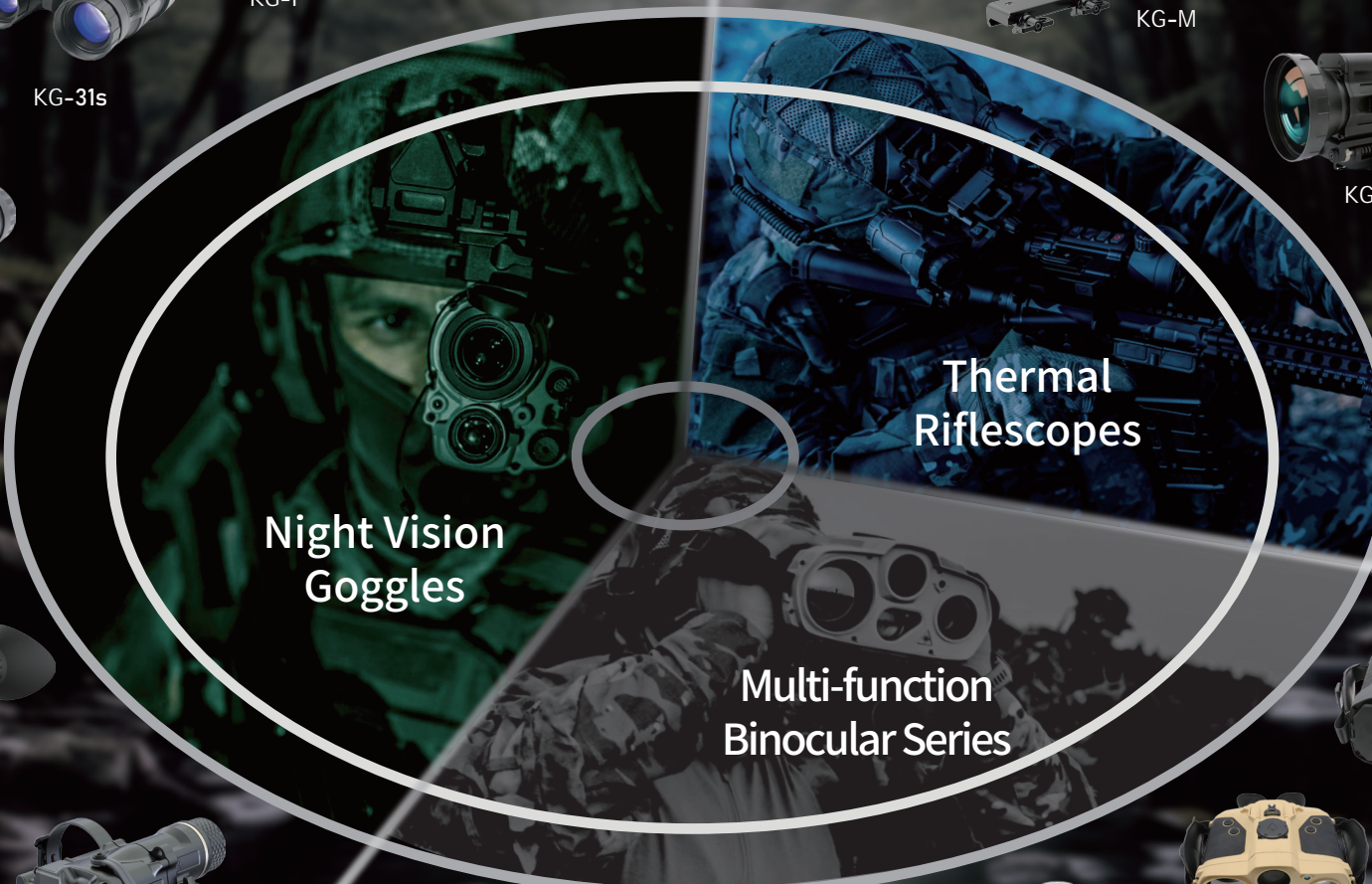
KG-U



KG-G



KG-CH



Night Vision Goggles

Thermal Riflescopes

Multi-function Binocular Series

KG-C Clip-on Thermal Imager

KG-C Clip-on Thermal Imager is developed for the harsh environment that restricting the use of I² 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.



HD Wide FOV



Various Imaging Modes



Multiple Power Supplies



Instant Fusion



Ultra-light And Portable



Brightness Adaptive

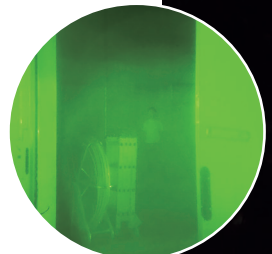


Features

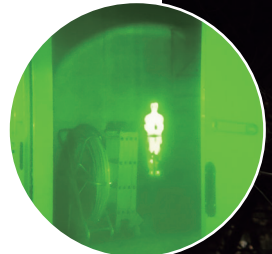
- ◆ Low loading, fast installing Ultra-light weight, pendant for fast front mounting
- ◆ Fusion display, fast recognition Direct fitting fusion without adjustment, various modes to improve the recognition performance
- ◆ Multiple power supplies Support various batteries and external power supply

Specifications

Model	C5	CE5
Infrared Specifications		
Resolution	640×512	
Pixel Pitch	12μm	
Spectral Band	8~14μm	
Optical Specifications		
Lens Focal Length	f11.52mm	
FOV	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	Support	
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°C~+60°C	
IP Encapsulation	IP67	
Weight	110g	78g



Low Light Mode

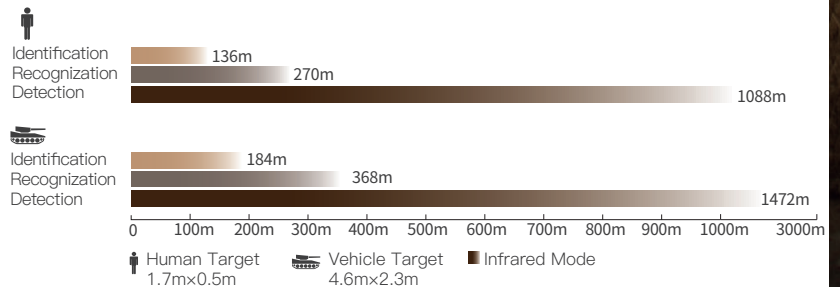


Highlight Mode



Outline Mode

Operating Distance



KG-14 Monocular Night Vision Goggle

KG-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.



Light weight



Extra-long eye relief



110° of Travel
(Left or Right Eye)



Compact size



Specifications

Model	KG-14
Optical Specifications	
Magnification	1×
Range of Fcous	0.25mto+∞
Diopter Adjustment	-4~+2
Lens System	F/1.2
FOV	43° (±2%)
Eye Relief	25mm
Performance Specifications	
Power Supply	AA
Battery Life	55h
IR Illuminator	Yes
Bright Light Protection	Yes
Flip-Up On-Off	Yes
Overall Unit Information	
Dimension	96×58×69mm
Weight	255g
Environmental Rating	IP67
Interface	J-Arm
Image Intensifier Tubes	
Limiting resolution	64
Signal to noise ratio	22
Phosphor	P43 (Green Phosphor) /P45 (White Phosphor)

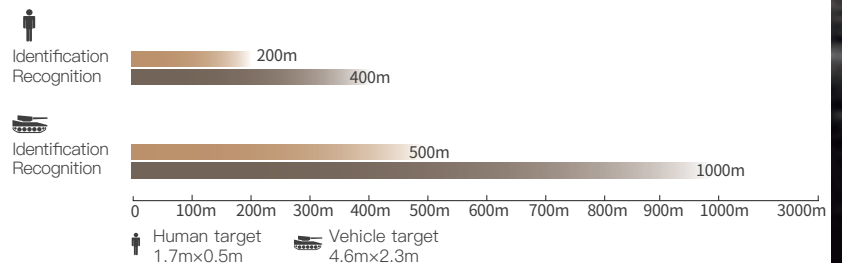


Low light mode



Low light mode

Operating Distance



KG-31 Binocular Night Vision Goggle

KG-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.



Light weight



Extra-long eye relief



Binocular 3D vision



Compact size



Specifications

Model	KG-31
Optical Specifications	
Magnification	1×
Range of Fcous	0.25mto+∞
Diopter Adjustment	-4~+2
Lens System	F/1.2
FOV	43° (±2%)
Eye Relief	25mm
Performance Specifications	
Power Supply	AA
Battery Life	20h
IR Illuminator	Yes
Bright Light Protection	Yes
Flip-Up On-Off	Yes
Side Flip-Up On-Off	Yes
IPD Adjustment	55-75mm
Overall Unit Information	
Dimension	110×97×90mm
Weight	470g
Environmental Rating	IP67
Interface	L4G24
Image Intensifier Tubes	
Limiting resolution	64
Signal to noise ratio	22
Phosphor	P43 (Green Phosphor) /P45 (White Phosphor)



Low light mode



Low light mode

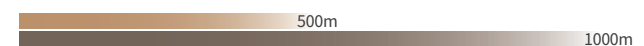
Operating Distance



Identification Recognition



Identification Recognition



0 100m 200m 300m 400m 500m 600m 700m 800m 900m 1000m 3000m

Human target
1.7m×0.5m

Vehicle target
4.6m×2.3m



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

KG-31S Binocular Low Light Night Vision Goggle

The KG-31S Binocular Low Light Night Vision Device features a modular design and standard interfaces for strong compatibility; adjustable interpupillary distance (IDP) and field-of-view (FOV); compact and lightweight with support for multiple power supply methods; and high reliability, suitable for complex weather conditions.



Compatible with Carson & RPO Optics



Manual Gain



IPD (Interpupillary Distance) Adjustment



High-performance PEEK Material



Bright Light Protection



Power-off by Side-Turning the Support



20m Waterproof



CR123A AA Battery



IR Illumination



Specifications

Model	KG-31S
Image Intensifier Tubes	MX-10160&MX-11769
Magnification	1×
Lens System	F/1.2
FOV	40°
Range of Focus	0.25m ~ +∞
Diopter Adjustment	+2to-6 dpt
Image Gain	Manual Gain (FOM1800 Autogating)
LED indicator (in FOV)	IR Illuminator, Low battery indicator
Side Flip-Up On-Off	Yes
Power Supply	1×CR123A & 1×AA
Battery Life	30h
Environmental Rating	Waterproof 2hrs - 20 m
Operating Temperature	-40°C ~ +50°C
Dimensions	108×106×83mm
Weight	490g

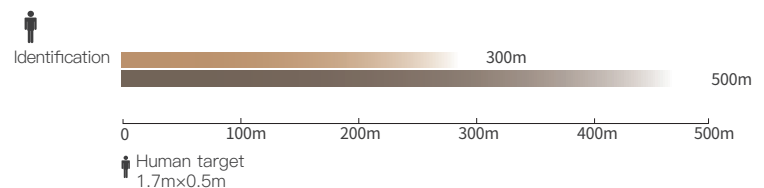


Low light mode










Low light mode

Operating Distance



KG-F Enhanced Night Vision Goggle

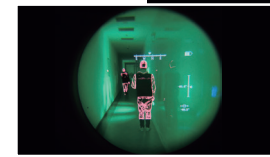
KG-F Enhanced Night Vision Goggle combines I² and thermal imaging technologies to make up for the shortcomings of the former in detecting targets, suitable for a wider range of applications. With corresponding sighting tools, the FOV and the reticle of the sighting tool can be precisely matched to the image of Jerry-F, so as to realize the fast capture and concealed aiming of the target.

 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)	



Specifications

Product Specifications	
Model	KG-F
Visual Amplification	1X
Exit Pupil Diameter	15mm
Exit Pupil Distance	25mm
Dioppter	-3.5~+2.5
Weight	≤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



Outline Mode

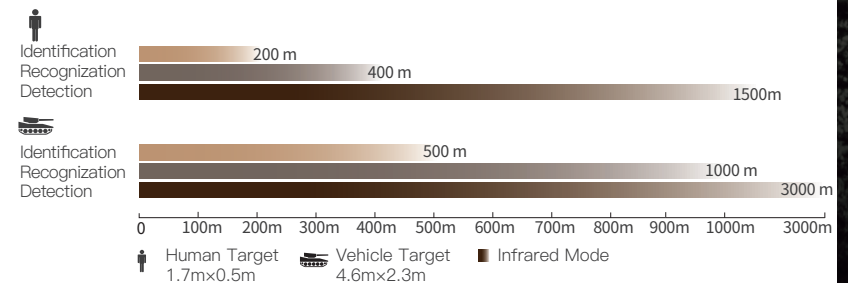


Highlight Mode



PIP Mode

Operating Distance



KG-FB Enhanced Night Vision Binocular Goggles

KG-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.



Binocular Three-dimensional Vision



3rd Generation High-definition I² Night Vision



12µm Thermal Imaging



Rapid Target Acquisition



Combat Information Input (HUD)



Multiple Fusion Modes Switchable

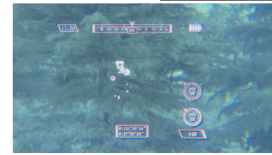


Extra Large Exit Pupil Diameter (15mm)



Specifications

Optical Specifications	
Magnification	1×
Infrared Focal Length	16mm
Focal Length Range	25cm ~+∞
I² FOV	40°
Infrared FOV	25.9°×20.9°
Eye Relief	25mm
Diopter	+2/-3
Performance Specifications	
I² Camera Tube	GEN 2+ / GEN 3
Limiting Resolution	>64lp/mm
Signal To Noise Ratio	22
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 (I² only)
Power Supply Type	External battery
Bluetooth control	Support
Interface Type	L4G24
Degree Of Protection	IP67

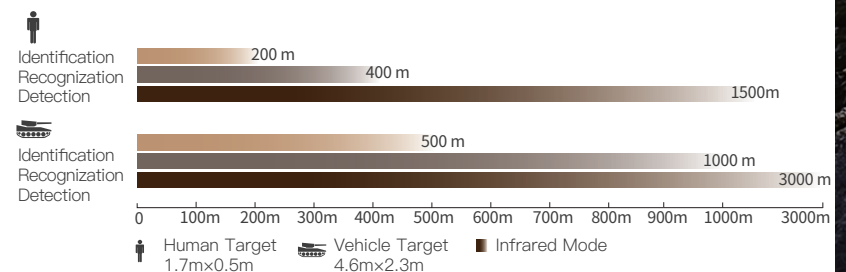


Rapid acquisition



Night Vision Enhancement Mode

Operating Distance



KG-RM Thermal Sight

The KG-RM is a high-performance multi-purpose thermal sight equipped with a 12 μ m , 640 \times 512 (50Hz), NETD \leq 25 mK thermal imaging detector for high-definition imaging at a high refresh rate. Based on advanced image processing algorithms, this device shows clear targets and smooth images. Besides, it also features a 64G memory, digital magnetic compass, image capture, video taking, and connection to apps.



4-in-1
Multi-purpose



Rich Image
Modes



10h Long
Battery Life



Lightweight, <270g
IP67 Waterproof



1000G Shock
Resistance
0.3ms



Support
App Update for
Image Capture
and Video Taking



Handheld

Head-mounted

Rifle Scope

Clip-on

Specifications

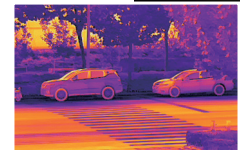
Item	Name	KG-RM
Thermal	Pixel Pitch	12 μ m
	Resolution	640 \times 512
	Frame Rate	50 Hz
	Display(OLED)	1024 \times 768
Optical	Focal Length F1.0	26.7mm
	FOV	16.3 $^{\circ}$ \times 12.3 $^{\circ}$
	Optical Magnification	1 \times
	Diopter Adjustment	-5 $^{\circ}$ ~+2 $^{\circ}$
	EYE Relief	>20mm
Display Mode	white-hot, black-hot, iron-hot, green-hot, red-hot, outline	
Functional Parameters	digital zoom	1-6 \times
	Electronic Compass	azimuth, pitch, roll
	Wi-Fi	support
	Video/Image Capture	support
Power Parameters	Battery	1 \times 18650 (3.7V)
	Max. Battery Capacity(w/o Wi-Fi)	>10h
Identification Distance	Identification Distance(human)	630m
	Detection Distance(human)	1800m
Weight & Volume	Weight(w/o battery)	\leq 300g
	Volume(mm)	113 \times 70 \times 48mm
Use Method	handheld, head-mounted, rifle scope, clip-on	
Environmental Requirements	Encapsulation	IP67
	Operation Temperature	-20 $^{\circ}$ C- 50 $^{\circ}$ C
External Interface	Type-C	Power supply, serial port, analog video output
Necessary Accessories	Cables(USB20&BNC)Helmet support, well-matched supportCarrying BagUser ManualCleaning Cloth	



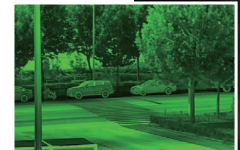
white-hot



black-hot



iron-hot



green-hot

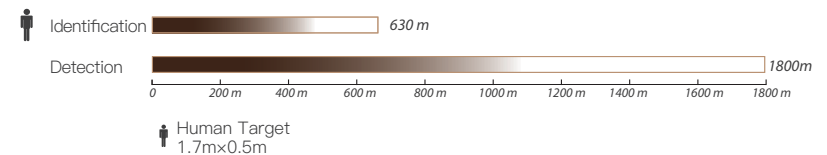


red-hot



outline

Operating Distance



KG-M Thermal Sight

KG-M 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.

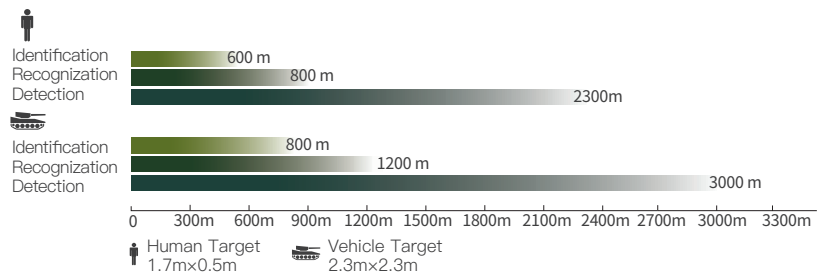
 Wireless Image Transmission	 Water And Dust Proof	 Single Roller Operating	 Eye Cup Preventing Light Leaking
 High Reliability	 Ultra-Far Vision	 Low Power Consumption	 Reticle ranging



Specifications

Item	KG-M	
	T-M6	
Resolution	640×512	
Spectral Band	8~14μm	
Pixel Pitch	12μm	
Frame rate	25HZ	
NETD	≤40mk	
Optical magnification	2.83×	
Digital zoom	1-4×	
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 Temperature	-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	800 m
	Detection	2300 m
VehicleTarget 2.3m×2.3m	Identification	800 m
	Recognition	1200 m
	Detection	3000 m

Operating Distance



KG-P Series Thermal Sight

The device features a 12 μ m detector of 384 \times 288 or 640 \times 512 resolution optional, a 35/50mm objective lens, a 1024 \times 768 OLED display, and a built-in rangefinding module with a range from 10m to 1,200m and an accuracy of \pm 1m. It supports various functions such as Wi-Fi image transmission, video recording, digital compass, and Bluetooth remote control. It is suitable for rifles, sniper rifles, and shotguns, etc.



Shutterless Design for Smooth and Clear Imaging



Integrated Rangefinder



Ballistic Calculating



Side-Focus Lens



Compact and Lightweight



1000G Shock Resistance



Built-in Digital Magnetic Compass



Quick-Removal Picatinny Rail



Support for Capturing Images and Taking Videos



Quick-Removal Battery Holder for Convenient Battery Replacement



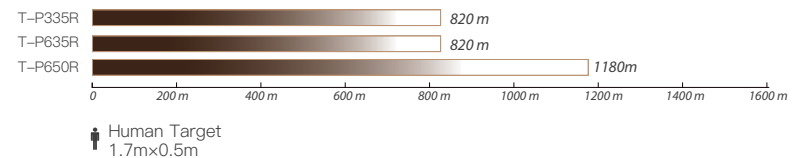
Specifications

Product Name	KG-P Series Thermal Sight		
Model	KG-P335	KG-P635	KG-P650
Resolution	384 \times 288	640 \times 512	640 \times 512
Pixel Size	12 μ m		
NETD	\leq 40mK		
Frame Rate	50Hz		
Focal Length of Objective Lens	35mm	35mm	50mm
Objective Lens Aperture	1.0		
FOV	7.5 $^{\circ}$ \times 5.6 $^{\circ}$	12.5 $^{\circ}$ \times 9.4 $^{\circ}$	8.8 $^{\circ}$ \times 6.6 $^{\circ}$
Visual Acuity	\pm 5 $^{\circ}$		
Visual Magnification	3.4 \times	2 \times	2.7 \times
Detecting Distance (targets within 1.7 m, 2 pixels)	820m	820m	1180m
OLED Screen	1024 \times 768		
Battery	2 \times CR123A		
Standby Duration (25 $^{\circ}$ C)	\geq 4h		
External Power Supply	5V		
Operating Temperature	-30 $^{\circ}$ ~ +50 $^{\circ}$		
WIFI/APP	Yes		
Photo and Video Taking	Yes		
Memory Card	32GB		
Waterproof Rating	IP67		
Dimensions of the Entire Machine	200 \times 79 \times 84mm		214 \times 79 \times 84mm
Weight	<600g		<650g
Measuring Distance (Accuracy)	1200m (\pm 1)		



Ballistic Calculating

Operating Distance



KG-H Thermal Sight

KG-H 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.



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



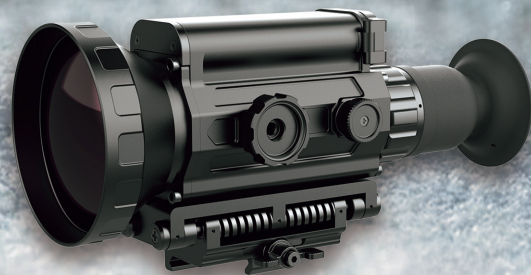
Reverse polarity protection and over-discharge protection for battery



Light leaking prevention



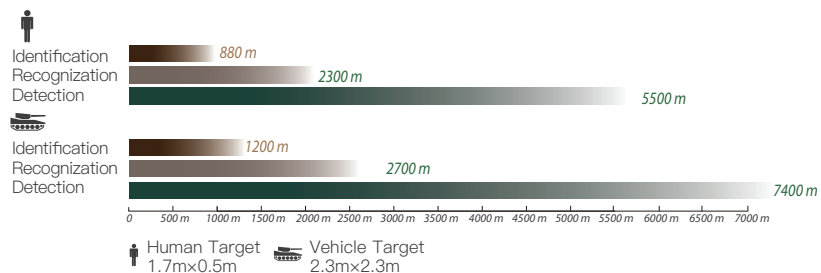
IP67 waterproof



Specifications

Item	KG-H
Imaging components	
Resolution	640 × 512
Pixel size	12μm
Spectral range	8~14μm
Frame rate	25Hz
NETD	≤40mk
Objective lens components	
Lens	90mm
FOV	4.9° × 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	43mm
Digital zoom	1-4 ×
Optical magnification	5.5 ×
Physical property	
Battery type	2 × 18650
Battery life	≥12h
Weight	≤1100g
Switch-on time	≤10s
Dimension	220 × 95 × 106mm
Device performance	
Protection grade	IP67
Recognition distance	≥2300m (1.7 × 0.5 human target) ≥2700m (2.3 × 2.3 vehicle target)
Observation accuracy	≤0.5mil (Including repeated mounting)
Reticle adjustment sign	≥ ±15mil
Reticle adjustment accuracy	0.12mil
Impact	1000G
Application environment	
Operating temperature	-40°C~55°C
Storage temperature	-43°C~70°C
Humidity	95% ± 3%
Altitude	≥5000m
Operational adaptability	All-weather
Firing reliability	12,500 rounds of live fire (Half- life)

Operating Distance



KG-CH Clip-on Thermal Sight

KG-CH 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.



Wireless Image Transmission

IP67

Water And Dust Proof



Single Roller Operating



Combined Using



Independent Using



High Reliability



Ultra-Far Vision



Low Power Consumption



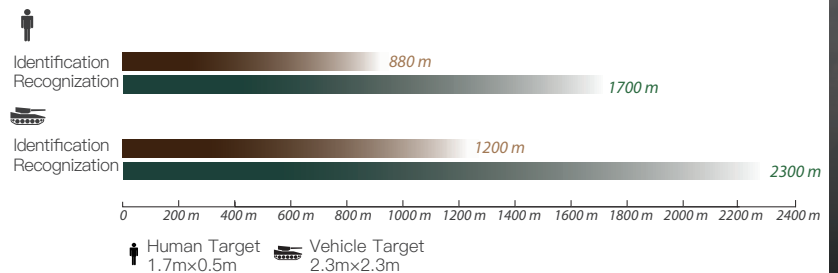
Reticle Ranging



Specifications

Item	Clip-on KG-CH
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、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



KG-HD Three Optical Channels HD Binoculars

KG-HD 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.



HD thermal images



HD color day images



Targeting positioning system



Intelligent



Lightweight



Long battery life



Specifications

Item	Thermal 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°
Optical magnification	2.4×	3.4×
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/RS232/WIFI	
Operating Temperature	-40°C~+55°C	
Storage Temperature	-55°C~+70°C	
Encapsulation	IP67	

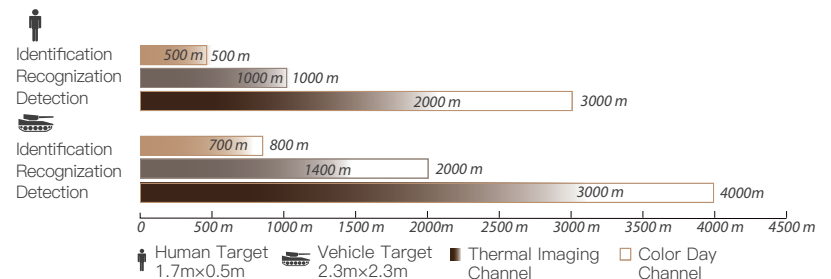


Color Day Mode



Thermal Mode

Operating Distance



KG-HF HD Fusion Binoculars

The Tom-HDF is an HD fusion binocular telescope with four optical channels catering to full-time observation day and night, rangefinding, and geo-location. The product is lightweight and portable, providing users with unprecedented situational awareness. Light Weight, the product has a battery life of up to 8 hours.



Four optical channels



Self-positioning and target positioning



Dual-spectrum HD resolution: infrared & low light



Light weight



Infrared + low-light dual-spectrum



Specifications

Product		KG-HF
Infrared	Resolution	1024×768
	Pixel Pitch	12μm
	FOV	15.5°×11.6°
	Focal Length	45mm, F1.1
Low Light	Resolution	1280×960
	Pixel Pitch	12.0μm
	FOV	17.4°×13.1°
	Focal Length	50mm, F1.0
Laser Rangefinding	Low Illumination Capability	<0.001lux
	Wavelength	1535nm
	Minimum measuring range	10m
	Maximum measuring range	3.0km
	Accuracy	98%
	Distance measuring accuracy	2m
	Distance measuring frequency	1Hz
Location Module	Rangefinding logic	1~3 sets
	Location mode	BD+GPS+GLONASS+Galileo+QZSS
	Horizontal location accuracy (CEP)	5m
	Elevation location accuracy (PE)	10m
Digital Magnetic Compass	Data update rate	1Hz
	Magnetic azimuth measurement range	0~360°
	Magnetic azimuth measurement accuracy	1.0°
	Pitch angle measurement range	-90°~+90°
	Pitch angle measurement accuracy	1.0°
	Inclination angle measurement range	-180°~+180°
Laser Pointer	Inclination angle measurement accuracy	1.0°
	Wavelength	830nm
	Energy	0.5mW (optional)
Display	Security level	Class I
	Resolution	1024×768
Interface	FPS	25Hz
	Storage	64G
	Eyepiece Diopter	-4~+4
	Weight	1.2kg
	Battery	3×18650
	Working Time	8h
	Power Supply	5~12V DC
	USB	✓
	Analog video	✓
	RS232	✓
KEY	✓	
Environment Adaptability	Operating Temperature	-40°C~+55°C
	Storage Temperature	-55°C~+70°C
	Encapsulation	IP67



Thermal Mode

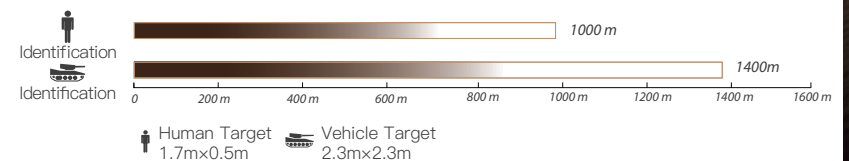


Low Light Mode



dual-spectrum Mode

Operating Distance



KG-U Five Optical Channels Multi-function Binoculars

KG-U 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 rangefinder. 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.



5 Optical Channels



Image Fusion



Multiple Functions



Intelligent



Light Weight



Long Battery life



Specifications

Thermal Channel	
Resolution	640×512, 12μm
Spectral Band	8-14μm
FOV	6.1°×4.8°
Optical magnification	6.2×
Color Day Channel	
Resolution	4.6 megapixels
FOV	4.6°×3.7°
Optical magnification	8.2×
Low Light Level Channel	
Resolution	750×600
FOV	6.8°×5.5°
Optical magnification	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
Others	
Display	1280×1024 OLED
Storage	10000 JPG&4h AVI
Ocular Lens Diopter	-4~+4
Weight	≤2.3kg (With Battery)
Operating Time	≥8h
Dimension	198×210×105mm
Interface	External Power Supply/USB/PAL/RS232 HDMI WIFI
Operating Temperature	-40°C~+55°C
Encapsulation	IP67



Thermal Mode



Color Day Mode

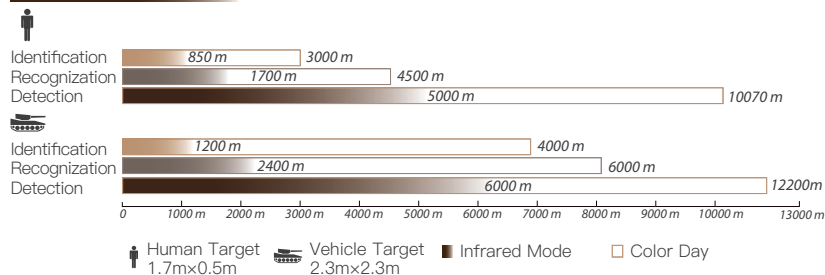


Fusion Mode



Low Light Mode

Operating Distance



KG-G Cooled MWIR Infrared Multi-function Binoculars

KG-G 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.



Image Fusion



Multiple Functions



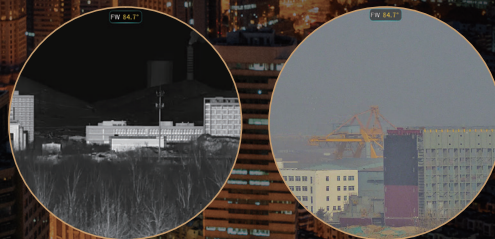
Intelligent



Light Weight



Long Battery Life



Specifications

Optical specifications		
Item	Thermal Channel	Color Day 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°
Optical magnification	1.8-14.7×	1.1-10.9×
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°C~+55°C	
Storage Temperature	-55°C~+70°C	
Encapsulation	IP67	

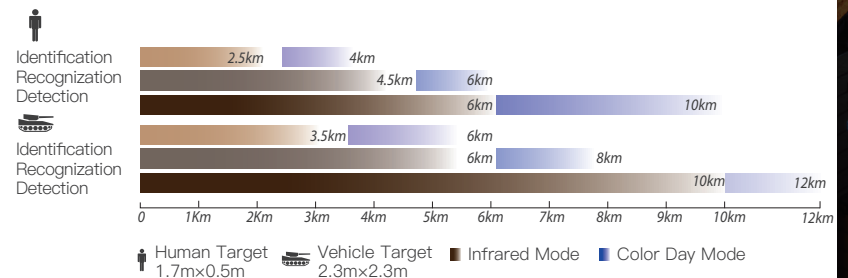


Thermal Mode



Color Day Mode

Operating Distance



LRF series Laser Rangefinder

LRF series laser rangefinder, based on the Scouter series rangefinder to add GPS, Bluetooth, mobile APP and other functions, upgrade OLED projection display, differentiation line and lighting. It has the characteristics of small size, light weight, excellent performance and rich functions, and the main functions are expected to be far, ranging, angle measurement, altimeter, two-point ranging, target positioning, ballistic solution, Bluetooth, mobile phone APP and other functions.



ballistic calculating



target positioning



mobile phone APP



degree measurement



altimeter



two-point ranging



range - finding
degree measurement



range - finding
target positioning



range - finding
ballistic calculating



Specifications

Product type	LRF III	LRF VI	LRF X
Eye safety level	Class 1		
Magnification	7X		
Field of view	6°/106mil		
Pupil distance	20mm		
Receive caliber	Φ32mm		
Diopter	-5~+5D		
Laser wavelength	1535nm		
Range (building)	30~3500m	30~6000m	30~10000m
Accuracy	±1m		
Frequency	1Hz (3Hz in continuous ranging mode)		
Accurate	≥98%		
Divergence angle	0.6mrad	0.4mrad	
Angular range	Azimuth: 0~359°(±1°); Pitch angle: ±90° (±1°)		
Power supply	DC 4.5-12V		
Battery type	2 × 16340/2 × CR123A		
Battery life (room temperature)	5000 ranging		
Weight	400g (including battery)		
Volume	141 × 81 × 53mm (L × W × H)		
Operating temperature	-40~+55°C		
Storage temperature	-50~+65°C		
Waterproof rating	IP67		
Data transmission	Uart (TTL_3.3V) to USB		
Other features	Bluetooth transmission, GPS target & self-positioning, mobile phone APP ballistic solution		
Product certification	CE、RoHS		

Mobile phone apps or other trajectory calculation devices can be connected via Bluetooth

Supports GPS, Beidou and GNASS satellite positioning

Double-button design, simple operation

Large exit pupil diameter, adjustable diopter



Equipped with a wrist strap for better use

UART data transmission

Universal 1/4 inch tripod interface

Military grade standard, IP67



Laser with eye safety band (Class I)

2 CR123A batteries with sufficient capacity for more than 5000 measurements