

KONG-BE MINI

COOLED MWIR INFRARED MULTI-FUNCTION BINOCULARS

The KONG-BE MINI is a miniaturized high-performance observation device integrated with five photoelectric channels: cooled medium-wave infrared, visible light, low light, laser rangefinding and laser indication. Built-in modules including GPS, compass, and continuous zoom optical system are configured to support 24-hour all-weather remote observation and target search.

KEY FEATURES



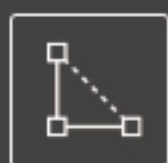
FIVE-SPECTRUM TARGET DETECTION

It integrates a 640 mid-wave HOT cooled infrared detector, 4K-grade visible light CMOS, 1080P low-light CMOS, 12 km laser rangefinding, and laser indication.



HIGH-PERFORMANCE HOT INFRARED MODULE

A module service life of up to 20,000 hours and a cooling time of 3 minutes



PRECISE TARGET SEARCH AND TRACKING

It is provided with a dual optical system of infrared and visible light, as well as a high-magnification continuous zoom system.



INTEGRATED AI IMAGE ALGORITHM

It integrates multiple AI software algorithms, such as EIS and target recognition algorithms.



LIGHTWEIGHT DESIGN

The weight of the whole unit, including the battery, is 2.5 kg.



MULTIPLE REMOTE CONTROL SOLUTIONS

It is compatible with mobile APPs and self-developed bases to realize remote operation.

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TECHNICAL DATA

Thermal Channel		Internal GPS Receiver	
Sensor Resolution	640×512 pixels, 15μm	Positioning Mode	BD+GPS+GLONASS+Galileo+QZSS+SBAS
Spectral band	3.7μm to 4.8μm	Horizontal Accuracy (CEP)	5m
Cooldown Time	3 minutes	Elevation Accuracy (PE)	10m
Focal Length	30~200mm/F5.5	Laser Pointer	
FOV(H×V)	18.2°×14.6°~2.7°×2.2°	Wavelength	850nm
System Magnification	2.1x ~ 13.9x	Class	Class3
Digital Zoom	1~4×	Display	
Color Day Channel		Screen Type	OLED
Sensor Resolution	3840×2160 pixels	Resolution	1920×1080
Focal Length	17~85mm/F4.0	Eyepiece	
FOV(H×V)	18°×14.5°~3.6°×2.9°	Diopter	-5 ~ +5D
System Magnification	2.1x ~ 10.5x	Spacing	55~75mm
Digital Zoom	1~4×	Storage	
Low Light Level Channel		Standard On Board	128GB
Sensor Resolution	1920×1080 pixels	Physical	
Low Illumination Capability	<0.001lux	Dimensions (W × H × D)	245mm×208mm×116mm
Focal Length	65mm/F1.4	Weight	≤2.5kg (including battery)
FOV(H×V)	13.5°×10.8°	Power Supply	
System Magnification	2.8x	Battery Type	6 × 18650 lithium batteries
Digital Zoom	1~4×	Battery life	>4h
Laser Rangefinder		Interfaces	
Laser Type	1535nm/Class1/Eye-safe	External Power Supply	12~24V DC
Range Capability	50~12000m (2.3m×2.3m target)	Video Output	HDMI, PAL
Accuracy	±2m	Wired Data	USB, RS232, LAN
Digital Magnetic Compass		Wireless	Wi-Fi
Azimuth Accuracy (RMS)	±0.5°	Environmental	
Inclination Accuracy (RMS)	±0.5°	Immersion	IP67

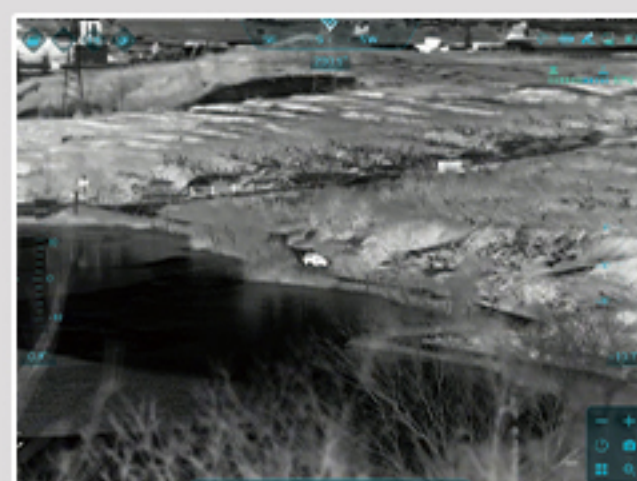
Infrared range performance
Human

Detection	11200m
Recognition	3700m
Identification	1900m

Infrared range performance
Vehicle

Detection	15300m
Recognition	5100m
Identification	2600m

The calculation of these indicators is based on the target detectability division method defined in the Johnson criterion. The humanoid target is defined as 1.7m high and 0.5m wide, and the vehicle target as 2.3m by 2.3m. The calculations assume standard environmental conditions and are based on the sensor specifications listed in the product. Actual performance may vary due to environmental factors, atmospheric conditions, or operational settings.



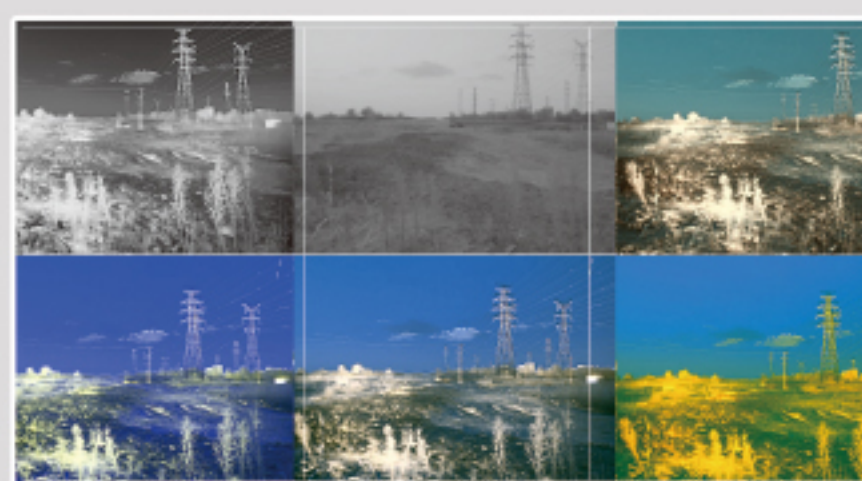
IR MODE



TV MODE



LOW LIGHT MODE



FUSION MODE



LASER POINTER MODE