

KONG-BM

MULTI-SPECTRAL BINOCULARS

The KONG-BM/BMPro is a compact multifunctional binocular thermal camera integrated with uncooled infrared imaging, visible light imaging, and laser rangefinding modules. Featuring minimalist industrial design with ergonomic compliance, it is equipped with a large 1080p OLED display. Superior image quality is maintained in complex scenarios such as rain, fog, snow, woodland, and plateau environments.

KEY FEATURES



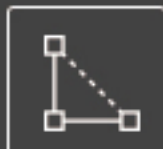
MULTISPECTRAL HIGH-DEFINITION IMAGING

It integrates 640 or 1280 infrared detectors, 4K-grade visible light CMOS, and IR fill-in light.



AI IMAGE ALGORITHM

It integrates a super-resolution algorithm, electronic image stabilization (EIS), and other image algorithms.



FLEXIBLE LASER RANGEFINDING CONFIGURATION

It is optional with a 2 km (905 nm) or 3 km (1535 nm) laser rangefinder module.



ERGONOMIC PRODUCT DESIGN

It adopts a full rubberized grip, single-finger focusing, and adjustable pupil distance, with the whole unit weighing only 930 g.



MULTI-MODAL PRECISE TARGET POSITIONING

It supports satellite positioning systems such as GPS, GLONASS, Galileo, QZSS, and SBAS.



0.6-INCH LARGE AREA ARRAY OLED DISPLAY, DELIVERING VR-LEVEL VISUAL EXPERIENCE

1



2



3



TECHNICAL DATA

Model	K-BM	K-BM PRO	Model	K-BM	K-BM PRO
Thermal Channel			Internal GPS Receiver		
Sensor Resolution	640×512pixels, 12μm	1280×1024pixels, 12μm	Positioning Mode	BD+GPS+GLONASS+Galileo+QZSS+SBAS	
Focal Length	50mm / F1.0		Horizontal Accuracy (CEP)	5m	
FOV(H×V)	8.8°×5.0° or 8.8°×7.0°	17.4°×9.8° or 17.4°×14°	Elevation Accuracy (PE)	10m	
System Magnification	3.5x or 2.5x	2x or 1.5x	Display		
Digital Zoom	1~4×		Screen Type	0.6inch OLED	
Color Day&LLL Channel			Resolution	1920×1080	
Sensor Resolution	3840×2160 pixels		Eyepiece		
FOV(H×V)	8.8°×5.0°		Diopter	- 5 ~ + 5D	
Focal Length	50mm / F1.4		Spacing	62~74mm	
System Magnification	3.5x		Storage		
Digital Zoom	1~4×	1~8×	Standard On Board	64GB	
IR Illuminator	940nm or 850nm(Optional)		Physical		
Viewing Range at Night	> 300m		Dimensions (W × H × D)	209mm×148mm×78mm	
Laser Rangefinder			Weight	≤920g (no battery)	≤980g (no battery)
Laser Type	905nm / Class 3R or 1535nm / Class1 / Eye-safe(Optional)		Power Supply		
Range Capability	905nm: 4~2000m 1535nm: 10~3000m(2.3m×2.3m target)		Battery Type	2 × 18650 lithium batteries	
Accuracy	905nm: ±1m(3~1000m),±2m(1000~2000m) 1535nm: ±1m		Battery life	>7h	>5h
Digital Magnetic Compass			Interfaces		
Azimuth Accuracy(RMS)	±0.4°		External Power Supply	5V DC	
Inclination Accuracy(RMS)	±0.4°		Video Output	UVC	
			Wired Data	USB Type-C	
			Wireless	Wi-Fi	
			Environmental		
			Immersion	IP67	

ACCESSORIES

1 CARRYING CASE



Infrared range performance Human



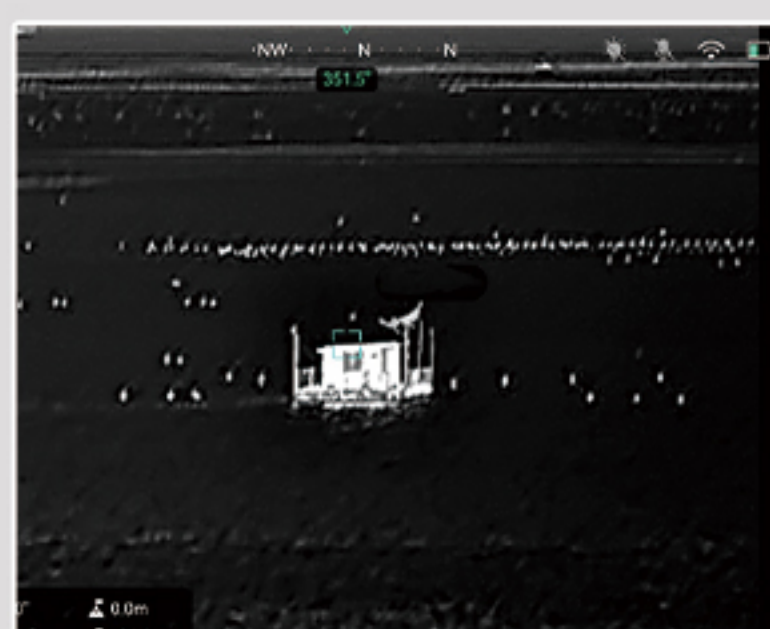
Detection	3600m
Recognition	1200m
Identification	600m

Infrared range performance Vehicle



Detection	4800m
Recognition	1600m
Identification	800m

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



LOW LIGHT MODE



TV MODE