

# **C4i** **communication**

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YOUR SECURITY & SAFETY PRODUCTS

## **T-HDF-HD-FB** **Fusion Binoculars**



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# T-HDF-HD-FB Fusion Binoculars

The T-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.



Thermal Mode



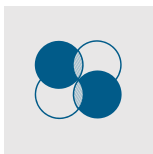
Low Light Mode



dual-spectrum Mode



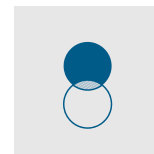
## PRODUCT HIGHLIGHTS



Four optical channels



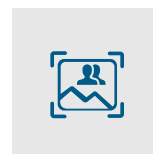
Self-positioning and target positioning



Dual-spectrum HD resolution:infrared & low light



Light weight

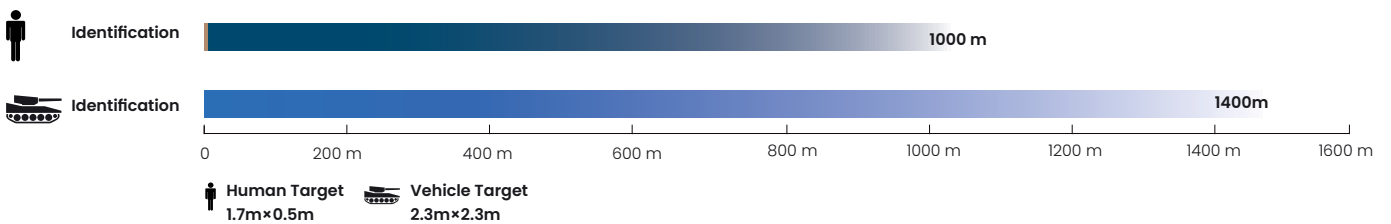


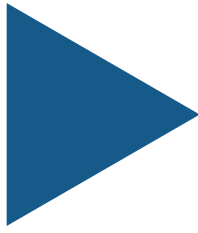
Infrared + low-light dual-spectrum

# SPECIFICATIONS

Product	T-HDF	
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
	Low Illumination Capability	<0.001lux
Laser Rangefinding	Wavelength	1535nm
	Minimum measuring range	10m
	Maximum measuring range	3.0km
	Accuracy	98%
	Distance measuring accuracy	2m
	Distance measuring frequency	1Hz
	Rangefinding logic	1~3 sets
Location Module	Location mode	BD+GPS+GLONASS+Galileo+QZSS
	Horizontal location accuracy (CEP)	5m
	Elevation location accuracy (PE)	10m
	Data update rate	1Hz
Digital Magnetic Compass	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)
	Security level	Class I
Display	Resolution	1024×768
	FPS	25Hz
	Storage	64G
	Eyepiece Diopter	-4~+4
	Weight	1.2kg
	Battery	3×18650
	Working Time	8h
Interface	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

# OPERATING DISTANCE





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