

# **c4i** **communication**

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YOUR SECURITY & SAFETY PRODUCTS

## **TE-MSTS** Multi-Spectral Thermal Scope



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# Multi-Spectral Thermal Scope

TE-MSTS Multi-spectral Thermal Scope is a sight with multiple spectral channels. The infrared channel adopts 1024×768 12μm detector and 50mm lens, providing excellent images with large FOV and far visual distance for thermal imaging observation.

The day light channel has 4× magnification and an ultra-wide FOV of 15°, making the target clearly visible with no blind spot. It can continue to work during a power outage, which is convenient and practical. The laser ranging channel is eye-safe, with an accuracy within 1m and the measurement range above 3km. It can accurately locate the target and observe the target dynamics in real-time.

TE-MSTS 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.



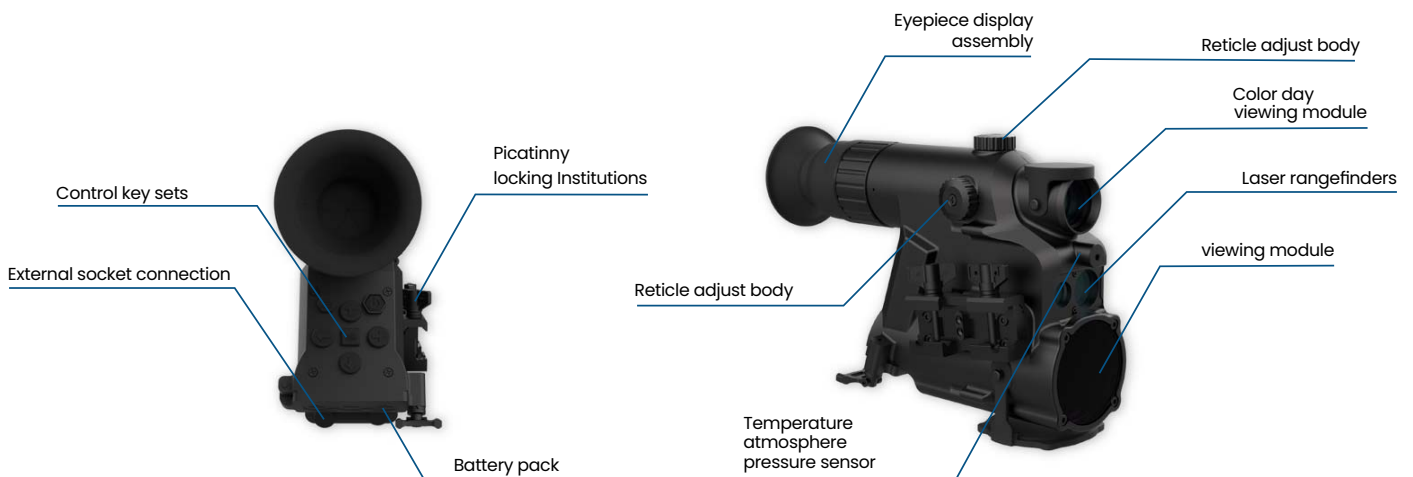
Infrared Mode



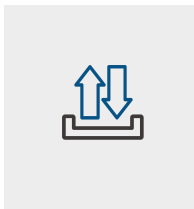
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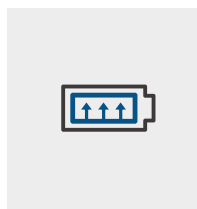
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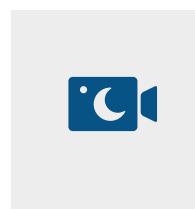
## PRODUCT HIGHLIGHTS



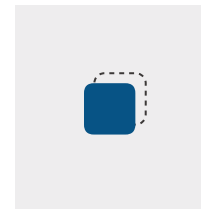
Multi-sensor



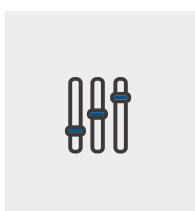
Using without power



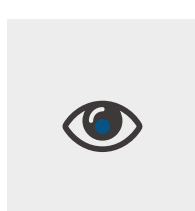
Day and night observation



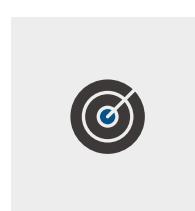
Thermal fusion



Multi-spectral Channels



Eye Safe

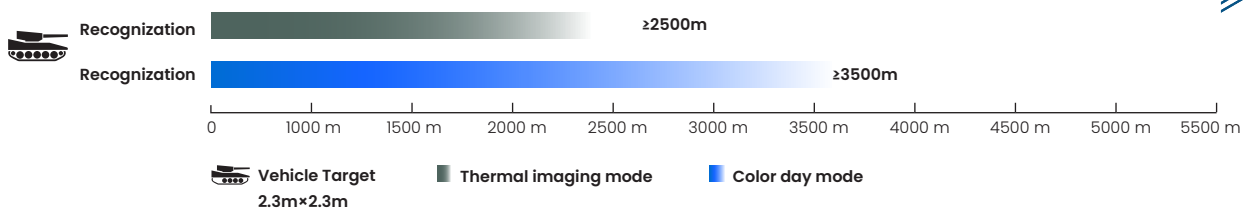


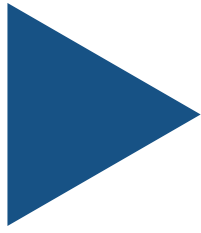
Laser Rangefinder

# SPECIFICATIONS

Item	Multi-Spectral Thermal Scope	
		Name
Thermal Module	Resolution	1024×768
	Pixel Pitch	12μm
	Operating Wavelength	8~14μm
	FOV	15.02°×11.27°
	Focal Length	50mm (Athermalized lens)
	Parfocality	-40°C~50°C (clear image)
	Color Day Module	Zoom
FOV		15.3°
Rangefinder Module	Wavelength	1535nm
	Repetition Frequency	≥1Hz (2Hz)
	Distance Resolution	≤30m
	Measuring Accuracy	±1m
	Accuracy Rate	≥98%
	Distance resolution	≤30m
	Measuring range	50m~3000m
Display	Screen	0.61"OLED 1024×768
	Exit Pupil	5.4mm
	Eye Relief	30mm
	Diopter Adjustment	±6
Main Function	Parameter Collection	Automatically collect temperature, elevation, air temperature, pitch and tilt angles
	Reticle Ranging	Stadiametric Rangefinding based on people and vehicles, usable without power
	Scene Set	Adaptive and manual settings are available depending on the application scenario
	Digital Zoom	1×、2×、3×、4×
Physical Parameters	Power Supply	3 × 18650
	Weight	≤1350g (with battery)
	Battery Life	≥16h
	Interface	External Power Supply/Analog Video
Environmental Adaptability	Operating Temperature	-40°C~+55°C
	Encapsulation	IP67
	Reliability	Shock 100g/4Hz 6ms
VehicleTarget 2.3m×2.3m	Operating Mode	Thermal Mode
	Recognition	≥2500m
		Color Day Mode
		≥3500m

# OPERATING DISTANCE





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FOR MORE INFORMATION: [contact@c4icommunication.com](mailto:contact@c4icommunication.com) or +1 (302)9811340