

# T4/T8



Item		Technical Specification	
		T4	T8
Detector	Type	Un-cooled FPA micro-bolometer	
	Array size	160*120	384*288
Image Performance	FOV/Min focal length	25°x19° /0.5m	
	IFOV	2.72mrad	1.36mrad
	Thermal sensitivity	≤0.05℃ @30℃	≤0.04℃ @30℃
	Frame rate	50/60Hz	
	Focus	Manual	
	Zoom	2x、4X	
	Spectral range	8-14μm	
	CCD	3 million pixel, CMOS module,2 LED lights	
Image Display	LCD display	3.6" TFT LCD, 640*480, touch screen	
	Color Palette	11 color palette for option	
	Image adjustment	Auto/manual to adjust brightness, contrast	
	Image	Fast switch between infrared image and CCD image, with fusion function.	
	Image Enhance	Auto/manual enhance mode	
Measurement	Range	-20□~+350□	-20℃~+650℃, (two range)
		Extend to 650□	Extend to 1200℃ or 2000℃
	Accuracy	± 2 °C or ± 2% of reading, Whichever is greater	
	Measurement Correction	Auto / Manual	

	Mode	Up to 5 movable spots. Up to 5 movable areas(maximum, minimum and average temperatures). Up to 2 movable lines. Line profile. Isotherms. Temperature difference. Alarm(voice, color)
	Emissivity correction	Variable from 0.01 to 1.0
	Background Temp correction	Auto
	Atmospheric transmission correction	Automatic correction according to user input object distance, humidity and temperature
	Setting Option	Time/Date, °C/°F/K, language, brightness/contrast, LCD brightness,
Image Storage	Card	8GB Micro TF card, max 32GB
	Mode	Auto/manual saving, single thermal images and CCD image association saving, thermal video and CCD video association saving, thermal and CCD fusion saving.
	Thermal image format	JPEG(with radiometric information) H.264(with radiometric information)
	CCD image format	JPEG、H.264
	Voice annotation	60s, saved together with the image
	Text annotation	YES
Power source	Battery type	Li-Ion, rechargeable
	Battery operating time	4 hours continuous operation
	charging	Intelligent charge or power adaptor or 12v car power charge
	Power saving	auto sleep, auto shut down
Interface	SD card slot	Micro SD (TF) slot
	Net	Yes, with IP address for real time image and data transfer
	power	(DC12V)
	video	yes
	Audio	Bluetooth(earphone/RS232)
Laser Point		Two level, 1mW/635nm, red color
Environment	Operation temperature	-15□~+50□
	Humidity	≤90%
	Encapsulation	IP54
	Drop resistance	2 meters
Dimension	Dimension	105x245x230mm
	weight	0.98Kg