



## Synchronised thermal and visible camera with temperature measurement

Based on the industry's most advanced image processing and infrared temperature measurement algorithms, the products in this series offer high-quality infrared imaging and high-precision temperature measurement capabilities. They are also characterised by high performance, compact size, low weight and low cost, meeting SWaP requirements (size, weight and power, performance and price).

Quick-installation magnetic design (weight < 1.5 kg), deployment completed in 30 seconds, dual-axis gimbal + dual-light fusion (thermal imaging/visible light), supporting 24/7 AI zoom tracking and optical stabilisation, adaptive depth of field and 360°.° Panoramic thermal imaging, suitable for high-precision surveillance scenarios such as perimeter security/industrial inspection/field operations such as fire engines.

Thermal imaging parameters	Detector type	Uncooled vanadium oxide infrared focal plane detector
	Infrared resolution	384×288/640×512
	Pixel pitch	12µm
	Response band	8–14µm
	NETD	≤ 50 mK (@ 25 °C, F #1.0)
	Focal length	9/18 mm
	Field of view	24.5°×19.6°
Gimbal parameters	Horizontal rotation range	Continuous 360° rotation
	Upper and lower rotation range	-25° to +90°
	Preset position	256
	Patrol track	6
Interface	RJ45, CVBS, RS485	
Item weight	Approx. 2.5kg	
Item dimensions	126mm (L) × 126mm (W) × 2.7mm (H)	
Temperature measurement range	-20°C – 550°C	



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Imaging parameters	Detector type	Visible lens
Visible	CMOS	4MP
	Protection rating	IP66
	Video compression format	H.264
	Video	
	Data storage options	SD card
	Focal length	F1.0
	Field of view	24.5°×19.6°

