

# S750-640 Thermal Camera Specification



Items		Technical specification
Detector	Detector type	DL Series Uncooled Micro-bolometer
	Spectral range	8 - 14 $\mu\text{m}$
	Resolution	640×480
	Pixel size	17 $\mu\text{m}$
Lens	Focus	100mm/F1.0 Motorized focus & Auto-focus
	FOV	6.25°×4.7°
Function	Gain/Brightness	Manual/Automatic
	Calibration	Automatic when start-up time Manual when working normal
	Digital zoom	2X, 3 X, 4X
	Polarity	White hot/Black hot
	Storage card	Built-in flash memory

	Storage mode	Picture & Video
	File format	JPG & AVI
	Storage capacity	More than 10000 images/2 hours of video
TV module	Image sensor	1/3" HAD CCD
	Resolution	795 × 596
	FOV	12.5° × 9.4°
Power supply	Battery type	2 Li-Ion, Rechargeable (18650 battery)
	Battery operating time	>5 hours (@25°C)
Environment	Operating temp	-30°C ~ +50°C
	Storage temp	-40°C ~ +60°C
	Encapsulation	IP67
Physical characteristics	Color	Black (classic)
	Weight	≤1.4Kg
	Dimension	210 (L) × 195 (W) × 85 (H) mm
	Video output	PAL
	Data transmission	USB
	Tripod mounting	1/4"-20-UNC
	External optical	2X external lens (not standard)
Detection range (2 pixels)	Human (1.8*1.8) m	5294m
	Vehicle (2.3*2.3) m	6765m
Recognition range (6 pixel)	Human (1.8*1.8) m	1765m
	Vehicle (2.3*2.3) m	2255m
Identification range (12 pixels)	Human (1.8*1.8) m	882m
	Vehicle (2.3*2.3) m	1127m