

Handheld Thermal Imaging Monocular Specification V1.0



Product Model: CE-6 Series

Functional Specifications

Model		CE-635	CE-650
Lens Specifications	Focal Length (mm)	35mm	50mm
	Field of View(FOV)	7.5*5.7°	8.8*7°
	Detection Distance	3500m	5000m
	Recognition Distance	875m	1250m
	Identification Distance	438m	625m
Detector Specifications	Detector Resolution	640*512	
	Display Resolution	OLED0.39 1024*768	
	NETD	<35mK(@25°C,F#=1.0)	
	Detector Type	Uncooled Focal Plane Array Detector (VOx - Vanadium Oxide)	
	Spectral Response	8~14um	
	Pixel Pitch	12um	
	Frame Rate	50Hz	
Device Functions	Button Operation	5 Buttons	
	Pseudo-color Modes	White Hot (default), Black Hot, Red Hot, Iron Red, etc.	
	Digital Zoom	1X~8X Zoom	
	Shutter Mode	With Shutter, Auto Shutter mode	
	Function Menu	NUC, Noise Reduction, CVBS, Crosshair, Wi-Fi Hotspot, Video Recording, Infrared Laser, Hotspot Tracking, Auto Power-Off, Restore Factory Defaults, Version Information, OSD, Blind Pixel Calibration, Probabilistic Ranging, PIP, Mobile App, Bad Pixel Correction, Brightness, Contrast, Digital Zoom, Shutter Mode.	
Physical Characteristics	Battery Capacity	Single Cell 18650/3000mAh	
	Storage Memory	32G	
	Operating Time	5H (Individual Observation Time)	
	IP Rating	IP66	
	Power Consumption	≤1.5w	
	Weight (Including Battery)	535g	547g
	Dimensions (Excluding Rubber Sleeve)	215*55mm	235*55mm
	Housing Material	Plastic	
	Operating Environment	-20C°+60C°	