

Thermal Imaging Search & Observation Integrated Device Specification V1.0



Product Model: ZS Series

Functional Specifications

Model		ZS325	ZS335	ZS350	ZS635	ZS650
Lens Specifications	Focal Length (mm)	25mm	35mm	50mm	35mm	50mm
	Field of View(FOV)	10.5*7.9°	7.5*5.7°	5.3*4°	5.3*4°	8.8*7°
	Detection Distance	2500m	3500m	5000m	3500m	5000m
	Recognition Distance	625m	875m	1250m	875m	1250m
	Identification Distance	313m	438m	625m	438m	625m
Detector Specifications	Detector Resolution	384*288			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	2 Buttons + 1 Encoder				
	Pseudo-color Modes	White Hot (default), Black Hot, Red Hot, Iron Red, etc.				
	Scene Modes	User, Plain, Forest				
	Digital Zoom	1X~8X Zoom				
	Shutter Mode	Manual, Auto Shutter				
	Function Menu	NUC, Digital Filtering and Noise Reduction, Crosshair, WIFI Hotspot, Photo and Video Recording, Laser Rangefinder, Restore Default Settings, Removable Battery, Version Information, DDE, Gyroscope, Blind Pixel Calibration, Ballistic Calculation, Accelerometer, PIP, Mobile App, Bad Pixel Correction, Brightness, Contrast, Digital Zoom, Shutter Mode, Scope Overlay Mode.				
Physical Characteristics	Battery Capacity	Single cell 18650/3400mAh				
	Operating Time	32G				
	IP Rating	5H (Individual Observation Time)				
	Storage Memory	IP66				
	Power Consumption	≤1.8w				
	Shock	1000g				
	Weight (Including Battery)	597g	638g	708g	638g	708g
	Dimensions (Excluding Rubber Sleeve)	137*91*65 mm	178*91*65 mm	185*91*65 mm	178*91*65 mm	185*91*65 mm
	Housing Material	Metal				
	Operating Environment	-20C°+60C°				