

Thermal Imaging Search & Observation Integrated Device Specification V1.0



Product Model:TB Series

Functional Specifications

Model		TB335	TB350	TB635	TB650
Lens Specifications	Focal Length (mm)	35mm	50mm	35mm	50mm
	Field of View(FOV)	7.5*5.7°	5.3*4°	5.3*4°	8.8*7°
	Detection Distance	3500m	5000m	3500m	5000m
	Recognition Distance	875m	1250m	875m	1250m
	Identification Distance	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 Dial Switch			
	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	With Shutter, Auto Shutter mode			
	Function Menu	NUC, Crosshair, WIFI Hotspot, Photo and Video Recording, Laser Rangefinder, Removable Battery, Restore Default Settings,Version Information, DDE, Gyroscope, Blind Pixel Calibration, Ballistic Calculation, Accelerometer, PIP, Mobile App, Bad Pixel Correction, Brightness, Contrast, Digital Zoom, Shutter Mode, Clip-on Mode.			
Physical Characteristics	Battery Capacity	Single Cell 18500/2400mAh			
	Storage Memory	32G			
	Operating Time	3H (Individual Observation Time)			
	IP Rating	IP66			
	Power Consumption	≤2w			
	Shock	1000g			
	Weight (Including Battery)	550g	578g	550g	578g
	Dimensions (Excluding Rubber Sleeve)	134*80*62mm	136*80*62mm	134*80*62mm	136*80*62mm
	Housing Material	Metal			
	Operating Environment	-20C°+60C°			