Professional Thermal Imagers in Your Tool Box !
PTi 256 / Ti 18 / Ti27 / Ti 09

Model	PTi 256	Ti 18 / Ti 27	Ti 09
Imaging And Optics			
Detector type	VOx, 7.5 to 14µm	VOx, 7.5 to 14µm	VOx, 7.5 to 14µm
Infrared resolution	256 × 192@12µm	256 × 192@12µm	120 × 90@17µm
NETD	≤45 mK	≤45 mK	≤60 mK
Infrared frame rate	25 Hz / 9 Hz	25 Hz /	25 Hz / 9 Hz
Focal length	3.2 mm	3.2 mm	2.28 mm
Field of view	56° × 48°	56° × 48° (Ti18) 25° × 19° (Ti27)	50° × 38°
IFOV	3.75mrad	3.75mrad(Ti18) 1.71mrad (Ti27)	7.46mrad
Minimum object distance	0.3 m	0.3 m(Ti18) / 0.5m (Ti27)	0.5 m
D:S	266:1	266:1 (Ti18) /585:1 (Ti27)	130:1
Focusing mode	Focus-free	Focus-free	Focus-free
Digital zoom	1.1x to 8x	(On Software)	(On Software)
Measurement And Analysis			
Measurement range	Support auto-switching: -20°C to 150°C, 100°C to 550°C		Support auto-switching: -20°C to 150°C, 100°C to 400°C
Measurement accuracy	±2°C or ±2%, whichever is greater		
Analyzed target	Spot × 2 (Include Center spot), Area × 3	Center spot and 3 areas	
Tracking / Alarm	Full screen maximum/minimum temperature tracking; The maximum or minimum temperature tracking of analyzed target; full screen temperature threshold alarm (image and flash)		
Temperature measuring parameters	Emissivity, reflected temperature, target distance	Emissivity, reflected temperature, target distance	Emissivity, reflected temperature, target distance
Others	Customized physical button×2	Customized physical button×2	Customized physical button×2
Image display			
Display screen	3.5" LCD	2.4" LCD	2.4" LCD
Digital camera	5 MP	2 MP	NA
Image mode	IR, VIS, MIF and PIP	IR, VIS, MIF and PIP	IR
Image adjustment	Level span mode: Automatic, Semi-automatic, Manual	Level span mode: Automatic, Semi-automatic, Manual	Level span mode: Automatic, Semi-automatic, Manual
Color palettes	White Hot, Black Hot, Iron Red, Hot Iron, Rainbow, Arctic	White Hot, Black Hot, Iron Red, Hot Iron, Rainbow, Arctic	White Hot, Black Hot, Iron Red, Hot Iron, Rainbow, Arctic
Storate And Trasnmission			
Storage media	Local storage (16 GB)	TF card (32 GB)	TF card (32 GB)
Image storage	JPG with temp info	JPG with temp info	JPG with temp info
External interface	TYPE-C, UNC ¼"-20 (tripod mounting)	TYPE-C, UNC ¼"-20 (tripod mounting)	TYPE-C, UNC ¼"-20 (tripod mounting)
USB	YES	YES	YES
WIFI	Yes, it can be connected to the mobile terminal for image transmission	NA	NA
Power System			
Battery type	Rechargeable lithium-ion battery, non-removable	Rechargeable lithium-ion battery, non-removable	Rechargeable lithium-ion battery, non-removable
Operating time	≥4 hours	≥16 hours	≥8 hours
Charging mode	TYPE-C charging; PC/portable charger; Capable of charging while using	TYPE-C charging; PC/portable charger; Capable of charging while using	TYPE-C charging; PC/portable charger; Capable of charging while using
Charging time	90% of full charge in 2.5 hours	90% of full charge in 2.5 hours	90% of full charge in 2.5 hours
Environmental Parameters			
Working temperature	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C
Storage temperature	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C
IP rating	IP54	IP54	IP54
Drop	1m drop test	1m drop test	1m drop test
Certification	CE, FCC, ROHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS	CE, FCC, ROHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS	CE, FCC, ROHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS
Physical Parameters			
Hardware	Laser (Indication, Ranging), Illuminator	Laser (Indication), Illuminator	Laser (Indication,), Illuminator
Weight	≤296 g	≤375 g	≤375 g
Size (L × W × H)	138 × 89 × 34.4 mm	194 × 61.5 × 76 mm	194 × 61.5 × 76 mm
Software kit	PC: ThermoTools; Mobile: Thermography (iOS/Android)	PC: ThermoTools;	PC: ThermoTools
Standard	A device, Wrist strap, Carrying bag, Quick Start Guide, Power adapter, Adapter plug, Type-C USB cable, Data download card, Certificate of approval	A device, Wrist strap, Carrying bag, Quick Start Guide, Power adapter, Adapter plug, Type-C USB cable, Data download card, Certificate of approval	A device, Wrist strap, Carrying bag, Quick Start Guide, Power adapter, Adapter plug, Type-C USB cable, Data download card, Certificate of approval
Options	Tripod	Tripod	Tripod