TI320+

Gas Thermal Imaging Camera

TI320+ is with cooled detector(QWIP, NETD<25mK) to detect SF₆ and NH₃ gas leaks and pinpoint the gas leaks location accurately, also offers temperature measurement. It is a multifunctional device for gas leakage detection and thermograph applications.

Features

Cooled QWIP detector, sensitivity <0.025 $^{\circ}\mathrm{C}$, pinpoint gas leaks location quickly

Dual-application: gas leakage detection and thermograph application

Temperature range: -20 °C ~+500 °C

Interchangeable lenses available

Built-in 5.0 MP digital camera

Folding and 270° rotatable display



Applications

Electricity

Chemical Industry

Environmental organization

Research Institute



Technical Specifications

ltem	T1320+
Detector Data	
Type	Cooled QWIP
IR resolution	320×256
Pixel pitch	30um
Spectral range	9.8~11.2um
NETD/Sensitivity	25mK
SF _R aas sensitivity	s0.001ml/s
Lens	
FOV/Focal distance	10°×7.5°/55mm
Minimum Imaging distance	2m
FOV	0.55mrad
Minimum imaging distance	Auto/Motor/Manual
mage Performance	
Display	5', color LCD, 800×480 pixels
Frequency	50Hz/60Hz
Digital zoom	1X~8X continuous
Color palletes	12 palletes(including iron, rainbow, white hot and black hot etc.)
Contrast/brightness	Auto/Manual
Measurement	
Temperature range	-20℃~+500℃
Temperature accuracy	±2°C/±2%(reading).
Spotmeter	10 adjustable spots
ine profile	Vertical/Horizontal
Area	5 adjustable boxes with max./min./avg temperature value
sotherms analysis	Capture high/low temperature/interval
Alarm	Voice, color
Measurement correction	Auto/Manual
Emissivity correction	Adiustable from 0.01 to 1.0 or selected from list of materials
Background temperature correction	Auto
Atmospheric transmissivity correction	Auto
Setting function	Dateftime, temperature unit \(\times \tau / \times / \times / \times / \times \tau / \tau \tau \tau \tau \tau \tau \tau \tau
anquages	10 Janguages(English, French, Italian, German, Spanish, Portuguese, Russian, Korean, Japanese, Simplified Chinese & Traditional Chinese)
mage Storage	
Storage card	8G SD card/can be extended to 32G)
Video output	Card reader, USB, WiFi
Storage mode	Store signal frame image or dynamic video auto/manual
R image format	JPEG. 14-bit measurement data imace included
/isual light image format	Single frame, JPEG
Video storage	High definition video stored in SD card(MPEG4/H.264 format) recording time up to 1 hour for per video
Voice annotation	40s voice record, stored with per image
Periodic image storage	10s to 24h
	103.07-70
Laser Point	Class 2. 1mW/635nm Red
Grade/Type	
nterfaces	
James	
	Yes
	Yes Yes
SD card slot	Yes
SD card slot /ideo outout	Yes Yes
SD card slot /ideo.outbut Audio.outbut	Yes Yes CVBS
SD card slot Video outout Audio outout Triood	Yes Yes CVBS Yes
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SD card slot //dec outout Audio outout Tripod Power System Battery type Sattery operation time DC supply Charaina system	Yes Yes CVBS Yes 1/4* -20 Recharceable li-ion batterv 2h DC: 12V In camera, AC adapter, car charger
SD card slot //dec outout Audio outout Ericod Power System Battery type Battery operation time DC supply Charging system Ower saving	Yes Yes CVBS Yes 114* -20 Recharceable li-ion battery 2h DC: 12V
SD card slot //idec output Audio output //iniod Power System Sattery Noe Sattery operation time DC supply Charaina system Power savina Invironment Parameters	Yes Yes CVBS Yes 1/4*-20 Recharceable li-ion battery 2h DC: 12V In camera. AC adapter. car charger Yes
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SD card slot Audio outbut Au	Yes Yes CVBS Yes 1/4" -20 Recharceable li-ion battery 2h DC: 12V In camera. AC adapter, car charger Yes -15°C → 40°C -20°C → +50°C s95%(Non-condense)
SD card slot Audio outbut Au	Yes CVBS Yes 1/4* - 20 Recharceable li-ion battery 2h DC: 12V In camera. AC. adapter, car charger Yes -15℃+40℃ -20℃+50℃ \$95%/(Non-condense) EN61000-6-4&EN61000-6-2, FCC47CFR Part15 classA, EN61000-4-8, L5
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SD card slot Video output Eripod Power System Battery type Battery operation time DC supply Charoing system Power saving Environment Parameters Docartion temperature range Humidity EMC Vibration Shock Encapsulation	Yes CVBS CVBS Yes 1/4*-20 Recharceable I-ion battery 2h DC: 12V In camera. AC adapter. car charger Yes -15℃ → 40℃ -20℃ → 50℃ \$95%(Non-condense) EN61000-6-48EN61000-6-2、FCC47CFR Part15 classA、EN610004-8. L5 2G(IEC60068-2-6) 25G(IEC60068-2-29)
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SD card slot Video output Audio output Tripod Power System Battery type Battery type Battery operation time DC supply Charging system Power saving Environment Parameters Operation Jemperature range Humidity EMC Vibration Shock Encansulation Physical Data Size(L×W×H)	Yes CVBS Yes 1/4*-20 Recharceable li-ion battery 2h DC: 12V In camera AC adapter. car charger Yes
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Power SD card slot Video outbut Audio outbut Tripod Power System Battery type Battery operation time DC supply Charoing system Power saving Environment Parameters Operation temperature range Storage temperature range Humidity EMC Vibration Shock Encapsulation Physical Data Size(L×W×H) Weight Gas Detection Packing Standard	Yes CVBS Yes 1/4*-20 Recharceable li-ion battery 2h DC: 12V In camera, AC addater, car charcer. Yes -15℃ ~+40℃ -20℃ ~+50℃ \$855%(Non-condense) EN61000-6-48EN61000-6-2, FCC47CFR Part15 classA, EN61000-4-8, L5 2GIEC66068-2-29) IPS4/(EC60529) 308mm*142mm*166mm \$2.5ko(with standard lens)