TI330+

Gas Thermal Imaging Camera for CH4 Gas Leakage Detection

TI330+ is with cooled detector(QWIP, NETD<25mK) to detect CH₄ 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 °C, pinpoint gas leaks location quickly Dual-application: Gas leakage detection and thermograph application Temperature range: -20 °C ~+350 °C Interchangeable lenses available Built-in 5.0 MP digital camera Folding and 270°rotatable display



Applications

Industry: refinery, natural gas processing facility, offshore iol/gas exploration platform, chemical industry, etc.

Research Institute

ULIRVISION

Technical Specifications

Item	T1330+
Detector Data	
Туре	Cooled QWIP
IR resolution	320×256
Pixel pitch	30um
Spectral range	3.1~3.5um
NETD/Sensitivity	25mK
SFs gas sensitivity	≤0.001ml/s
FOV/Focal distance	10°×7.5′/55mm
Minimum imaging distance	2m
IFOV	0.55mrad
Minimum imaging distance	Auto/Motor/Manual
Image Performance	
Display	5". color LCD. 640×480 pixels
Frequency	50Hz/60Hz
Digital zoom	1X~8X continuous
Color palletes	12 palletes(including tron, rainbow, white hot and black hot etc.)
Contrast/brightness	Auto/Manual
Measurement	
Temperature range	-20°C~+350°C
Temperature accuracy	±2°C/±2%(reading)
Spotmeter	10 adjustable soots
Line profile	10 autostade subis Vertical/Horizontal
Area	5 adjustable boxes with max./min./avo temperature value
Isotherms analysis	Capture high/low temperature/interval
Alarm	Voice, color
Measurement correction	Auto/Manual
Emissivity correction	Adjustable from 0.01 to 1.0 or selected from list of materials
Background temperature correction	Auto
Atmospheric transmissivity correction	Auto
Setting function	Date/time, temperature unit "C/TF/K, Janquage
Languages	10 Janouages/English. French. Italian., German. Spanish. Portuguese. Russian. Korean. Japanese. Simplified Chinese & Traditional Chinese)
Image 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
IR image format	JPEG. 14-bit measurement data image included
Visual light image format	Sincle 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
Laser Point	
Grade/Type	Class 2. 1mW/635nm Red
Interfaces	
Power	
	Yes
	Yes
SD card slot	
SD card slot Video output	Yes
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