BX20 ATEX & IECEx Certified

Compact Intrinsically Safe Thermal Camera for Hazardous Areas



Certified Product and Manufacturer

Not only the HIKMICRO BX20 intrinsically safe thermal camera has obtained ATEX and IECEx certification. In addition, HIKMICRO is an audited manufacturer of hazardous location equipment and gets ATEX Quality Assurance Notification (QAN) and IECEx Quality Assurance Report (QAR).



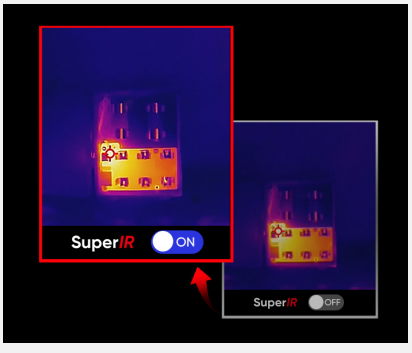
High Image Quality

Features a high Resolution (256 × 192, 49,152 pixels) and highly sensitive (NETD < 40 mK) VOx IR detector, along with HIKMICRO SuperIR image enhancement algorithms to provide super clear thermal images.



Enhanced Thermal Clarity with SuperIR

Powered by HIKMICRO SuperIR image enhancement technology, it upscales the resolution of captured thermal images to 320 x 240 (76,800 Pixels).



25 Hz Fast Image Frequency

25 Hz fast image frequency delivers smooth video while panning across scenes or viewing moving targets.

Full-screen Precise and Wide Measurement

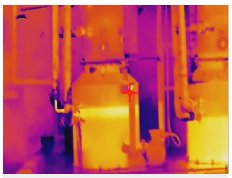
TSupports capture of full-screen radiometric images and automatically tracks max/min/center spots to pinpoint temperature anomalies at a glance. Accurately measures temperatures from -20°C to 550°C with a temperature accuracy up to +/-2°C or +/-2% of reading.

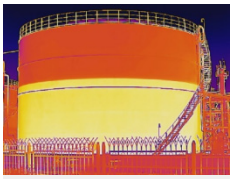
Durable and Rechargeable Batteries

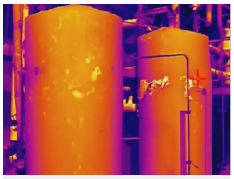
Built-in 3350mAh Li-Ion rechargeable battery and thoughtful auto power-off settings (10/20/30/40/50/60 minutes) allow the camera up to 6 hours of continuous operation.

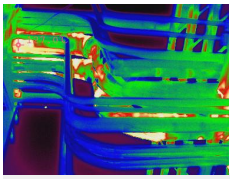
APPLICATIONS

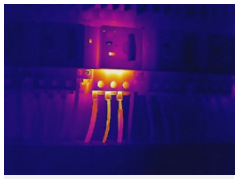
It is suitable for Zone 2 scenarios in petrochemical plants, refineries, substations, offshore platforms, production plants, pharmaceuticals, hazardous waste management and other industries.

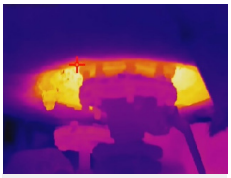

Reactor


Oil Tank


Tank Insulation


Pipe


Electrical


Mechanical

*Note: The pictures taken by device are for reference only, the actual effect shall prevail.

WHAT'S IN THE BOX



- TThermal Camera with Wrist Strap
- USB 2.0 A to USB Type-C Cable
- Power Supply
- International Use Plugs (US/EU/UK/AU/CN) for Power Supply
- Calibration Certificate
- Quick Start Guide

OPTIONAL ACCESSORIES



– E/B Series POUCH –

HM-B01-POUCH

Camera Highlights		BX20
Certificate Information	ATEX / IECEx Certificate Type	ATEX: II 3 G Ex ic IIC T6 Gc, II 3 D Ex ic IIIC T85°C Dc IECEx: Ex ic IIC T6 Gc, Ex ic IIIC T85°C Dc
Infrared Image	IR Resolution	256 × 192 (49,152 pixels)
	SuperIR	Yes, on Captured Thermal Images
	NETD	< 40 mK (@ 25 °C, F#=1.0)
	Image Frequency	25 Hz
	Field of View (FOV)	37.2° × 50.0°
	Focus Mode	Focus Free
Image Display	Visual Camera	1600 × 1200 (2 MP)
	Image Modes	Thermal/Visual/PIP/Fusion
	Display	240 × 320 Resolution, 3.2"LCD Screen
Measurement and Analysis	Object Temperature Range	-20 °C to 550 °C (-4°F to 1022°F)
	Accuracy	Max (±2°C/3.6°F, ±2%), for the ambient temp. 15°C to 35 °C (59 °F to 95 °F) and object temp. above 0 °C (32°F)
Data Storage and Communication	Storage Media	Built-in 16 GB flash memory
	File Format	Radiometric JPEG
	Storage Capacity	Approx. 90,000 Images
General	Battery Operating Time	Approx. 6 hours
	Led Flashlight	√
	Durability	IP54, 2 m (6.56 ft) drop protection
	Weight	Approx. 380 g (0.84 lb)

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FULL PRODUCT 3 YEARS
DETECTOR 10 YEARS
BATTERY 2 YEARS