

IPOB-ELT400EP-13M

13mm AI Thermal Bullet Camera



System Overview

Thermal cameras are ideal for forestry, border security, and industrial applications. This camera provides an all-in-one solution that is especially beneficial for long distance video surveillance in outdoor applications. Combined with its fixed lens and Thermal technology, the camera's long range capabilities are able to be utilized even at night. This ELITE Series Thermal Network Bullet Camera is equipped with an uncooled VOx Microbolometer sensor with an athermalized lens to produce long-range thermal images. This camera detects rapid rises in temperature over short time periods and issues an alarm for potential fire threats at long distances.

Features

Uncooled VOx Technology

This thermal camera uses uncooled VOx sensor technology. Due to its small size and better performance, the VOx sensor is a cost-effective solution for thermal security.

High Thermal Sensitivity

High thermal sensitivity (<50mK) makes the camera capture more detailed images and temperature difference information.

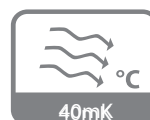
Fire Detection & Alarm

With a built-in Fire detection function, the camera has the ability to detect a fire from a long distance. Because the thermal camera is sensitive to temperature, the accuracy of fire detection will be higher than a visible-light camera.

Intelligent Video System (IVS)

IVS system provides advanced, accurate video analytic for both IP and analog cameras. The IVS engine can track, classify and analyze the behavior of individual or group of objects over long distance to greatly improve parameter security and monitoring efficiency.

- 400x300 VOx uncooled thermal sensor technology
- Athermalized Lens (thermal), Focus-free
- Support Fire detection & alarm
- 13mm fixed lens
- 2/2 alarm in/out
- Micro SD memory, IP67, PoE, ePoE



Environmental

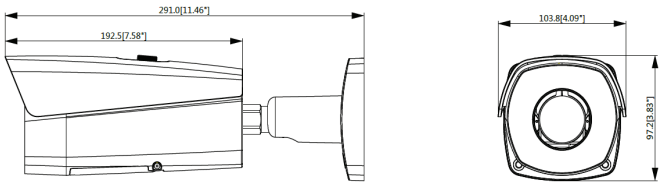
With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for $\pm 15\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.

Technical Specification		Network	
Thermal Camera			
Image Sensor	Uncooled VOx Microbolometer	Ethernet	RJ-45
Effective Pixels	400(H)x300(V)	Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x
Pixel Size	17um	Interoperability	ONVIF Profile S & G, API
Thermal Sensitivity(NETD)	40mK	Streaming Method	Unicast/Multicast
Spectral Range	8~14um	Max. User Access	10 Users/20 Users
Image Setting	Brightness/Sharpness/ROI/AGC/FFC/3D DNR	Edge Storage	Micro SD (256GB) Memory Staus Display (Normal / Error / Active / Formatting / Lock), NAS (Network Attached Storage), Local PC for instant recording
Color Palettes	18(Whitehot/Blackhot/Ironrow/Icefire/ Fusion/Rainbow/Globow/Iconbow1/ Iconbow2 .etc)	Web Viewer	>IE8, <Chrome42, <Firefox42
Thermal Lens		Management Software	SmartPSS, DSS
Lens Type	Fixed/F1.0	Smart Phone	Android, iOS
Focus Control	Athermalized, Focus-free	Certifications	
Focal Length	13mm	Certification	CE (EN 60950: 2000) FCC (FCC Part 15 SubpartB)
Angle of View	H: 30.2° V: 22.6°	Interface	
Effective Distance Man(1.8m*0.5m)	D: 382m R: 98m I: 49m	Video Interface	1 Port (CVBS/BNC)
Effective Distance Vehicle(4m*1.4m)	D: 850m R: 219m I: 109m	Audio Interface	1/1 In/Out
Video		RS485	Support
Compression	H.265 / H.264 / MJPEG	Alarm	2/2 In/Out
Frame Rate	Main Stream: Thermal: 1280x1024 / 720P / 400x300 @25/30fps Sub Stream: Thermal: 640x512 / 400x300 @25/30fps	Electrical	
Bit Rate Control	CBR/VBR	Power Supply	DC 12V/PoE/ePoE
Bit Rate	H.264: 640 ~ 8192Kbps	Power Consumption	Max. 13W
Motion Detection	Off/On (4 zone, Rectangle)	Environmental	
Region of Interest	Off/On (4 zone)	Operating Condition	-40°C ~ +70°C (-40°F ~ +158°F)/Less than 95% RH * Start up should be done at above -40°C (-40°F)
Electronic Image Stabilization (EIS)	NA	Storage Conditions	-40°C ~ +70°C (-40°F ~ +158°F)/Less than 95% RH
Digital Zoom	4x(19 levels)	Ingress Protection	IP67
Flip	180°	Construction	
Mirror	Off/On	Casing	Metal
Privacy Masking	Off/On (4 zone, Rectangle)	Dimensions	291mm× 103mm× 97mm (11.46" x 4.06" x 3.82")
Audio		Net Weight	1.5Kg (3.31 lb)
Compression	G.711A / G.711Mu / AAC / PCM	Gross Weight	1.9Kg (4.19 lb)
Intelligence		Note:	
IVS	Tripwire, Intrusion	① Effective distance values shown are nominal values and should be used as estimates only. Exact value calculations depend on a wide variety of conditions.	
Advanced Intelligent Functions	Fire Detection & Alarm, Cold/Hot Spot Trace, Human/Vehicle Classification	② D: Detection Distance	
		③ R: Recognition Distance	
		④ I: Identification Distance	

Dimensions (mm/inch)



Accessories

Optional:



JB-EL121
Junction Box



PM-EL152-E
Pole Mount

Junction Mount	Pole Mount
JB-EL121	JB-EL121 + PM-EL152-E
