

IPOB-ELT400-25M

Thermal Network Bullet Camera - 25mm Lens



- 400*300 VOx uncooled thermal sensor technology
- Athermalized Lens (thermal), Focus-free
- Supports Fire detection & alarm
- Fixed Lens 25mm
- 2/1 alarm in/out
- Micro SD memory, IP67, PoE



System Overview

Featuring a fixed lens bullet camera, this series provides an all-in-one solution that is especially beneficial for long distance video surveillance in outdoor applications. Together with thermal technology, the camera's long range capabilities are able to be utilized even at night.

Functions

Uncooled Vox Technology

These thermal cameras use uncooled Vox sensor technology. Their small size and better performance make them a cost-effective solution for thermal security.

High Sensitivity

High thermal sensitivity (<40mK) allows cameras to capture more image details and temperature difference information.

Fire Detection & Alarm

With built-in fire detection functionality, the camera has the ability to detect fires from a long range. Because thermal cameras are sensitive to temperature, they provide higher fire detection accuracy than standard cameras, making them a perfect fit for applications such as forest fire prevention.

Intelligent Video System (IVS)

IVS is a built-in video analytics algorithm that delivers intelligent functions to monitor a scene for tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area.

Environmental

With a temperature range of -40 °C to +60 °C (-40 °F to +140 °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 ±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	
Thermal Camera	
Image Sensor	Uncooled VOx Microbolometer
Effective Pixels	400(H)x300(V)
Pixel Size	17um
Thermal Sensitivity(NETD)	40mK@f/1.0
Spectral Range	7~14um
Image Setting	Brightness/Sharpness/ROI/AGC/FFC/3D DNR
Color Palettes	14(Whitehot/Blackhot/Ironrow/Icefire/ Fusion/Rainbow/Globow/Iconbow1/ Iconbow2 .etc)

Thermal Lens	
Lens Type	Fixed
Focus Control	Athermalized, Focus-free
Focal Length	25mm
Angle of View	H: 14.6° V: 11.6°
Effective Distance ^① Man(1.8m*0.5m)	D: 1000m R: 250m I: 125m
Effective Distance Vehicle(2.3m*2.3m)	D: 3000m R: 720m I: 360m

Video	
Compression	H.264/MJPEG
Frame Rate	Main Stream: 1280*1024 (default)/720P @1 ~ 25/30fps
	Sub Stream: 640*512 (default)/320*256 @1 ~ 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 640 ~ 8192Kbps
Motion Detection	Off/On (4 zone, Rectangle)
Region of Interest	Off/On (4 zone)
Electronic Image Stabilization (EIS)	NA
Digital Zoom	19x
Flip	180°
Mirror	Off/On
Privacy Masking	Off/On (4 area, Rectangle)

Audio	
Compression	G.711a/G.711Mu/AAC

Intelligence	
IVS	Tripwire, Intrusion, Object Abandon/Missing
Advanced Intelligent Functions	Fire detection & alarm

Network	
Ethernet	RJ-45 (10/100Base-T)
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
Interoperability	ONVIF Profile S & G, PSIA, CGI
Streaming Method	Unicast/Multicast
Max. User Access	10 Users/20 Users
Edge Storage	Micro SD (256GB) Memory status display (Normal / Error / Active / Formatting / Lock), NAS (Network Attached Storage), Local PC for instant recording
Web Viewer	<IE11, <Chrome45, <Firefox52
Management Software	SmartPSS, DSS
Smart Phone	Android, ios

Certifications	
Certi atio	CE (EN 60950: 2000) FCC (FCC Part 15 SubpartB)

Interface	
Video Interface	1.0Vp-p/75Ω, PAL / NTSC (HDCVI Optional)
Audio Interface	1/1 In/Out
RS485	1
Alarm	2/1 In/Out

Electrical	
Power Supply	AC 24V/DC 12V/PoE
Power Consumption	Max. 9.6W

Environmental	
Operating Condition	-40°C ~ +60°C (-40°F ~ +140°F)/Less than 95% RH * Start up should be done at above -40°C (-40°F)
Storage Conditions	-40°C ~ +70°C (-40°F ~ +158°F)/Less than 95% RH
Ingress Protection	IP67

Construction	
Casing	Metal
Dimensions	291mm× 103mm× 97mm (11.46" x 4.06" x 3.82")
Net Weight	1.5Kg (3.31 lb)
Gross Weight	1.9Kg (4.19 lb)

Note:
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.
② D: Detection Distance
③ R: Recognition Distance
④ I: Identification Distance

Accessories

Optiona :

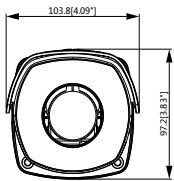
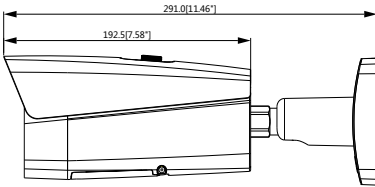


JB-EL121
Junction box



PM-EL152-E
Pole Mount

Dimensions(mm)



Mounting Type

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