

EX400 Explosion Proof Thermal Camera

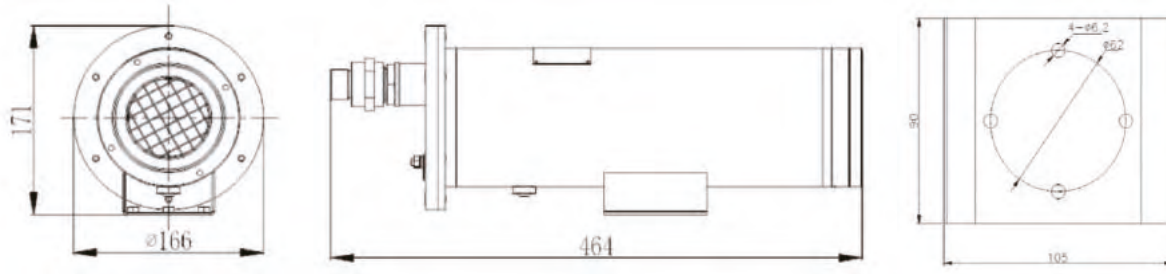
- 400×300 resolution IR detector
- IP68 rated for use in dangerous environments.
- Intelligent software supports industrial temperature monitoring using spot, line and area measurement tools.



SPECIFICATION					
Model	EX400				
Thermal Camera					
Detector Type	Uncooled VOx Micro bolometer 400×300				
Resolution	400×300. Image can be scaled up to 704×576				
Pixel Pitch	17 μm				
Spectral Range	8-14um				
Thermal Sensitivity (NETD)	≤40mK				
Lens Type	Fixed				
Focal Length	8 mm	15mm	25mm	35mm	50mm
F No.	F1.0	F1.0	F1.0	F1.0	F1.0
Angle of View	H: 46°, V:35.3°	H:25.5°, V:19.2°	H:15.4°, V:11.6°	H: 11°, V:9°	H: 7.7°, V:5.8°
Detection Distance (Fire: 1*1m)	235 m	441 m	735 m	1029 m	1471 m
Detection Distance (Humans: 1.8*0.5m)	235 m	441 m	735 m	1029 m	1471 m
Detection Distance (Vehicles: 4*1.5m)	722 m	1353 m	2255 m	3137 m	4510 m
Recognition Distance (Humans: 1.8*0.5m)	59 m	110 m	184 m	257 m	368 m
Recognition Distance (Vehicles: 4*1.5m)	180 m	338 m	564 m	789 m	1127 m
Video and Audio					
Main Stream	704×576 @ 25/30fps				
Sub Stream	CIF @ 25/30fps				
Bit Rate Control	CBR/VBR				
Bit Rate	Main stream: 100Kbps ~ 6Mbps Sub stream: 10Kbps ~ 1.5Mbps				
Region of Interest	Off / On (8 Zone, Rectangle)				
Smart Encode	Support				
Audio Compression	G.711: 8kbps, RAW_PCM: 16kbps				
Image					
Image Setting	Brightness, Sharpness, Contrast, Mirror/FFC/3D DNR				
Mirror	Support				
Pseudo-color Setting	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes				
Privacy Masking	Off / On (5 Area, Rectangle)				
Flat-Field Calibration	Support				
Noise Reduction	2D/3D DNR				
Privacy Masking	Support				

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EXPLOSION PROOF



Dimensions (mm)

Smart Function	
Smart Alarm	Motion detection, I/O alarm, Disk alarm, IVS alarm, Temperature detection & alarm
Intelligent Functions	Temperature detection & alarm, Human detection, Vehicle detection
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way, Enter area, Leave area, Support alarm triggering by specified target types (human and vehicle), People counting
Temperature Detection	
Temperature Detection	3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (spot, areas, line).
Temperature Alarm	Temperature difference alarm, Threshold alarm, Temperature rise alarm
Accuracy	$\pm 2^{\circ}\text{C}$ (35.6 $^{\circ}\text{F}$) / $\pm 2\%$
Response Time	$\leq 30\text{ms}$
Temperature Range	$-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$ ($-4^{\circ}\text{F} \sim 302^{\circ}\text{F}$)
Network	
Protocols	IPv4/IPv6, HTTP, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x
Interoperability	ONVIF, CGI, SDK
Web Viewer	<le11, Chrome, Firefox, Microsoft Edge
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch input, 1ch output
Alarm Interface	2ch input, 1ch output
Rs485	Support
Reset Button	Support
SD Card Slot	Built-in Micro SD card slot, up to 256GB
General	
Power Supply	100 ~ 240 VAC
Power Consumption	Max 25 W
Working Temperature	$-40^{\circ}\text{C} \sim 60^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim 140^{\circ}\text{F}$)
Storage Conditions	0~ 90% RH
Certifications	CE/FCC
Ingress Protection	IP68
Casing	SUS316L
Dimensions	464 × 166 × 171mm (18.27 × 6.54 × 6.73 inch)
Net Weight	10 kg