

Bi Spectrum 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.
- A high resolution Sony visual camera gives crisp digital images.

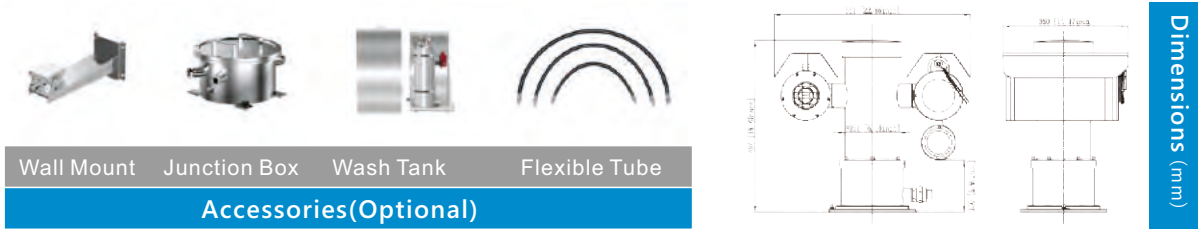


SPECIFICATION

Model	EX400-B	
Thermal Camera		
Detector Type	Uncooled VOx Micro bolometer 400×300	
Resolution	Sensor is 400×300. Image can be scaled up to 704×576	
Pixel Pitch	17 μm	
Spectral Range	8-14 μm	
Thermal Sensitivity (NETD)	≤40mK	
Lens Type	Fixed	
Focus Control	Motorized Focus	
Focal Length	25mm	50mm
F No.	F1.0	F1.0
Angle of View	H:15.4°, V:11.6°	H: 7.7°, V:5.8°
Detection Distance (Fire: 1*1m)	735 m	1471 m
Detection Distance (Humans: 1.8*0.5m)	735 m	1471 m
Detection Distance (Vehicles: 4*1.5m)	2255 m	4510 m
Recognition Distance (Humans: 1.8*0.5m)	184 m	368 m
Recognition Distance (Vehicles: 4*1.5m)	564 m	1127 m
Visible Camera		
Image Sensor	1/2.8" Sony CMOS	
Sub Stream	CIF @ 25/30fps	
Max. Resolution	2592 (H)×1944 (V)	
Shutter Speed	1/1 ~ 1/30,000s	
Min. Illumination	Color: 0.07 Lux @ (F1.6, AGC ON), B/W: 0.02 Lux, 0 Lux with IR on	
S/N Ratio	More than 55 dB	
Focal Length	5.3 ~ 159mm	
Max Aperture	F1.6 ~ F4.3	
Angle of View	H: 55° ~ 2.3°, V: 41.6° ~ 1.7°	
Optical Zoom	30x	
Focus Control	Auto/Manual/Semi-automatic	
Mirror	Support	
Defog	Support	
Privacy Masking	Support	
Illumination Distance	IR distance up to 100m (328.08 ft)	
PTZ		
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: +90° ~ -90°	
Pan/Tilt Speed	Pan: 0.1° ~ 30°/s, Tilt: 0.1° ~ 20°/s	
Wiper	Support	
Preset Accuracy	± 0.2°	
Presets	400	
Scan	8 scans, up to 32 presets per scan	
Patrol	12 patrols, up to 32 presets per scan	
Track	6 tracks	
3D Positioning	Support	
Speed Setup	Auto/Manual (0-8)	
Power Off Memory	Support	
Idle Motion	It can activate Preset/ Scan/Tour/Pattern if there is no command in the specified period	

Bi Spectrum Explosion Proof Thermal Camera

EXPLOSION PROOF



Accessories(Optional)	
Video and Audio	
Main Stream	Visible: 2592×1944, 2592×1520, 1920×1080, 1280×720 @25/30fps Thermal: D1 @25/30fps
Sub Stream	Visible: D1, VGA, CIF @25/30fps Thermal: CIF @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Visible: main stream: 200Kbps ~ 12Mbps, sub stream: 100Kbps ~ 6Mbps Thermal: 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
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	±2°C (35.6° F)/ ±2%
Response Time	≤ 30ms
Temperature Range	-20° C ~ 150° C (-4° F ~ 302° F)
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
Network	
Protocols	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x
Interoperability	ONVIF, CGI, SDK
Web Viewer	<Ie11, 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	5ch input, 1ch output
CVBS Interface	1ch (Visible)
Rs485	Support
Reset Button	Built-in
SD Card Slot	Built-in Micro SD card slot, up to 256GB
General	
Power Supply	100 ~ 240 VAC
Power Consumption	Max 75 W
Working Temperature	-40° C ~ 60° C (-40° F ~ 140° F)
Storage Conditions	0~ 90% RH
Certifications	CE/FCC
Ingress Protection	IP68
Casing	SUS316L
Dimensions	567 × 360 × 494mm (22.66 × 14.17 × 19.45 inch)
Net Weight	52 kg (114.64 lb)