

IIS-BPTM6451-F25

Bispectral Mini PTZ Temperature Measurement Camera



Key Features

- Uncooled VOx Micro bolometer with 640×512 resolution
- 25 mm motorized focus thermal lens, 30x optical zoom module
- Support humanoid/vehicle detection, fire point detection, ship detection
- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong way, enter area, leave area
- Support 3 temperature measurement rule types (spot, line, area)
- Reliable temperature-anomaly alarm
- Temperature measurement range: -20°C ~ 150°C (-4°F ~ 302°F)

Specifications

Thermal Camera	
Image Sensor	Uncooled VOx Focal Plane Arrays 400x300
Resolution	Sensor is 640x512. Image can be scaled up to 1280x1024
Pixel Size	12 um
Thermal Sensitivity (NETD)	≤ 40 mK
Spectral Range	8 ~ 14 um
Image Setting	Brightness, Sharpness, Contrast, Mirror, FFC, 3D DNR
Pseudo-color Setting	17 (White-hot/Black-hot/Rainbow/Ironbow etc.)
DVE Image Enhance	Support
Lens Type	Fixed
Focus Control	Motorized Focus
Focal Length	25 mm
F No.	F1.0
Angle of View	H:17°, V:14°
Detection Distance Fire(1*1m)	1042 m
Detection Distance Man(1.8*0.5m)	1040 m
Detection Distance Vehicle(4*1.5m)	3194 m
Recognition Distance Man(1.8*0.5m)	260 m
Recognition Distance Vehicle(4*1.5m)	799 m
Visible Camera	
Image Sensor	1/2.8" Sony CMOS
Effective Resolution	2592 (H)x1520 (V)
Shutter Speed	1/5 ~ 1/20,000s
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux
S/N Ratio	More than 55 dB
Focal Length	5.3 ~ 159 mm
Max Aperture	F1.6 ~ F4.3
Angle of View	H:55° ~ 2.3°, H: 41.6° ~ 1.7°
Optical Zoom	30x
Focus Control	Auto/Manual/Semi-automatic
Smart Function	
Smart Detection	Support human/vehicle detection, fire point detection, ship 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)

PTZ	
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: +90° ~ -90°
Pan/Tilt Speed	Pan: 0.01° ~ 30°/s, Tilt: 0.01° ~ 10°/s
Wiper	Support
Preset Accuracy	± 0.1°
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
Video and Audio	
Main Stream	Thermal: 1280x1024, 1280x720, 640x512 @25fps Visible: 2592x1520, 1920x1080, 1280x720 @25/30fps
Sub Stream	Thermal: D1, CIF @25fps Visible: D1, VGA, CIF @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Thermal: 100Kbps~8Mbps Visible: main stream: 200Kbps~12Mbps, sub stream: 100Kbps~6Kbps
Region of Interest	Off/On (8 Zone, Rectangle)
Digital Zoom	16x
Mirror	Support
Defog	Support (Visible)
Motion Detection	Support
Privacy Masking	Support
Audio Compression	G.711 (8kbps), RAW_PCM (16kbps)
Temperature Detection	
Temperature Detection	Support 3 temperature measurement rule types (Spot, Line, Area)
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2°C / ±2%
Response Time	≤ 30ms
Temperature Measurement Range	-20°C ~ 150°C (-4°F ~ 302°F)
Temperature display mode	Temperature target >5°C, Display absolute temperature value, Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average)

Network	
Protocols	IPv4/IPv6, RTSP/RTP/RTCP, TCP/UDP, HTTP, DHCP, DNS, FTP, DDNS, PPPOE, SMTP, 802.1x
Interoperability	ONVIF, CGI, SDK
Max. User Access	10 Users
Edge Storage	Local PC for instant recording
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
Interface	
Network Interface	2 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch input, 1ch output
Alarm Interface	1ch output
RS485	Support
CVBS Interface	1ch output
Reset Button	Support (Built-in)
General	
Power Supply	DC24V
Power Consumption	Max 40 W
Working Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Conditions	0 ~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	322 x192 x163 mm (12.68 x 7.56 x 6.42 inch)
Net Weight	5 kg (11.0 lb)

Dimensions (mm)

