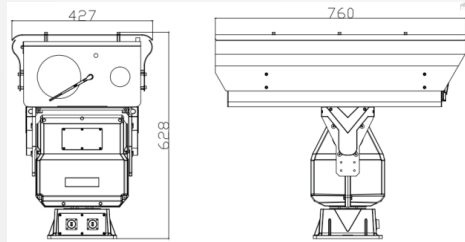


AT-TSDM41

Bi-spectrum Stabilized PTZ Thermal Camera

Feature

- Uncooled Microbolometer sensor with 400(H)x300(V)
- On-board temp-detection algorithm
- NETD Sensitivity $\leq 40\text{mK}$
- 25 mm motorized lens(50/75/100mm) optional
- Support 3 temperature measurement rule types (Spot, Line, Area)
- 17 color control
- DVE image enhance
- Reliable temperature-abnormal alarm
- Strong wind resistance
- Anti-frozen, IP66



Thermal Lens	Thermal Sensor	Uncooled IRFPA Microbolometer
	Effective Pixel	400(H) X 300(V)
	Pixel size	17 μm
	NETD	40mK@F1.0,300K
	Detection Range	25mm: 735(a)/735(b)/2255(c)m
	Fires 1x1m (a)	50mm: 1471(a)/1471(b)/4510(c)m
	Humans 1.8x0.5m (b)	75mm: 2206(a)/2206(b)/6765(c)m
	Vehicles 4x1.5m (c)	100mm: 2941(a)/2941(b)/9020(c)m
	Focal Length	25mm(50/75/100mm Optional)
	View Angle	25mm H15°xV11°, 50mm H7°xV5°, 75mm H5.1°xV3.8°, 100mm H3.8°xV2.9°
F Number	F1.0	
Optical lens	Optical sensor	1/2" Sony CMOS
	Resolution	1920(H) X1080(V)
	Focal length	6~222mm
	Optical zoom	37X
	View angle	H 58.4°~ 2.1°
	Aperture	F1.5 ~ F4.8
	Shutter speed	1/5 ~ 1/20,000s
	Min illumination	Color : 0.001 Lux(F1.5) , B/W : 0.0001 Lux(F1.5),
Pan / Tilt	Focus type	Auto / Manual / Half Auto / One push button
	Pan/tilt range	Pan : 0°~360° , Tilt : 90°~ -90°
	Pan/tilt speed	Pan : 0.01° ~30°/s ; Tilt : 0.01°~30°/s
	Preset point	400
	Preset accuracy	$\pm 0.1^\circ$
	PTZ Mode	8 Auto Scan, 12 Tour, 6 Track
	Speed Setup	Auto/Manual (0-8)
	Protocol	Pelco P / D
Temperature Measurement	Temperature Detection	3 temperature measurement rule types (20 spots, 2 lines, 16 areas)
	Temperature Alarm	Over temperature alarm, Temperature difference alarm
	Accuracy	$\pm 2^\circ\text{C} / \pm 2\%$
	Response Time	<30ms
	Theory of temperature measurement range	-40°C ~150°C
Video & Audio	Frame Rate	Mainstream: Thermal: D1 @25/30fps ; Visible: 1920x1080/1280x720 @25/30fps Sub Stream: Thermal: CIF @25/30fps; Visible: D1/VGA/640x360/CIF/QCIF/QVGA @25/30fps
	Privacy masking	5 areas
	Bit Rate	Thermal: 100Kbps~6Mbps Visible: mainstream: 500Kbps~12Mbps, sub stream: 100Kbps~6Kbps
	Region of Interest	Off/On (8 Zone, Rectangle)
	Privacy Masking	Off/On (5 Area, Rectangle)
	Defog	Support
	Intelligent video	Perimeter, Single Virtual Fences, Double Virtual Fences, Object Left, Object Removed
	DVE Image Enhance	Support
Network	Audio Compression	G.711, AMR, RAW_PCM (Optional)
	Network protocol	IPv4 / IPv6 , HTTP , HTTPS , RTSP/RTP/ RTCP , TCP/UDP , DHCP , DNS , PPPoE , SMTP , SIP , 802.1x , DDNS , PPPoE , FTP , SNMP , QOS
	Max on-line users	10
	Interoperability	Onvif, CGI, SDK
	Browsers	Linux C /windows/ C&C++ , Android, IOS
	IP filter	Support
	Streaming Method	Unicast
Interface	Ethernet	RJ45 10/ 100
	Alarm	9 alarm input/4 alarm output
	Audio interface	2 audio input / 2 audio output
	RS485	Support
	BNC output	Support
	SD slot	Micro SD (Max support up to 128GB)
	Reset Button	Support
General	Power	DC36V
	Power consumption	< 100W
	Working Temperature	-40°C~-60°C (-40°F~-140°F) , Humidity 0~ 90% RH
	Storage	0 ~ 90% RH
	Certificate	CE/FCC
	Ingress Protection	IP66
	Dimensions	420X 294X 516mm (LxW xH)
Net Weight	25Kg	