

AT-TBD41/2

AT-TBD41/3

Bi-spectrum Mini PTZ Thermo 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(35/50mm optional)
- Support 3 temperature measurement rule types (Spot, Line, Area)
- 17 color control
- DVE image enhance
- Reliable temperature abnormaly alarm
- 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 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m	
	Fires 1x1m (a) Humans 1.8x0.5m (b) Vehicles 4x1.5m (c)		
	Focal Length	25mm(35/50mm Optional)	
View Angle	25mm: 15.4° x 11.6°, 35mm: 11° x 8.3°, 50mm: 7.7° x 5.8°		
F Number	F1.0		
Optical lens	Optical sensor	1/1.8" Sony CMOS	1/2.8" Sony CMOS
	Resolution	1920(H) X 1080(V)	2048(H) X 1536(V)
	Focal length	6 ~ 180mm	4.5 ~ 135mm
	Optical zoom	30X	
	View angle	H 61.2°~2.3°	H 59.8°~2.3°
	Aperture	F1.5 ~ F4.5	F3.1 ~ F16
	Shutter speed	1/5 ~ 1/10,000	1/5 ~ 1/20,000
	Min illumination	Color : 0.01 Lux(F1.5) , B/W : 0.0001 Lux(F1.5)	Color : 0.01 Lux(F1.5) , B/W : 0.001 Lux(F1.5)
	Focus type	Auto / Manual / Half Auto / One push button	
Pan / Tilt	Pan/tilt range	Pan : 0°~360° , Tilt : 90°~ -90°	
	Pan/tilt speed	Pan : 0.01° ~30°/s ; Tilt : 0.01°~10°/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	Network protocol	1Pv4/1Pv6 . HTTP . HTTPS . RTSP/RTMP/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	9x alarm in/ 4 alarm out	
	RS485	Support	
	Audio	2 audio in/2 audio out	
	BNC output	2x BNC	
	SD slot	Micro SD (Max support up to 128GB)	
	Reset Button	Support	
General	Power	DC36V	
	Power consumption	< 50W	
	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	419X 282X 316mm (L x W x H)	
Net Weight	16Kg		