

Thermal Network Bullet Camera

IPOB-SBTD5IR12



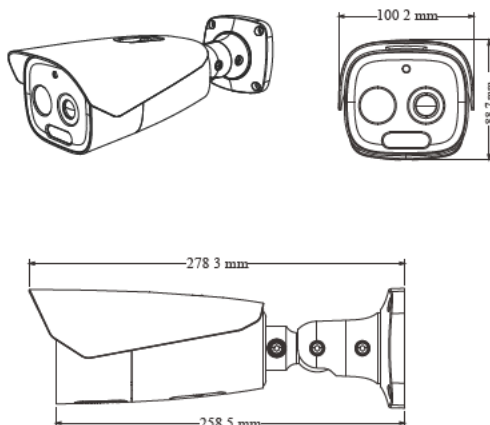
Thermal:

- Resolution: 384×288
- $17\mu\text{m}$, NETD: $\leq 40\text{mK}$ (@ 25°C , $F\# = 1.0$)
- Temperature range: $-20^\circ\text{C} \sim 150^\circ\text{C}$
- Dual image fusion (thermal image and optical image)
- Multi-palette: white hot, black hot, iron oxide red, etc.
- Sound and light warning, temperature exception alarm, fire detection
- Intelligent analytics: intrusion detection (human/motor vehicle classification), line crossing detection (human/motor vehicle classification)

Optical:

- 5MP (2592×1944) @30 fps
- ICR auto switch, true day/night vision
- Up to 100m IR night view distance
- 3D DNR, true WDR(120dB), HLC, BLC, Smart IR, distortion image correction, ROI etc.
- Intelligent analytics: intrusion detection (human/motor vehicle/non-motor vehicle classification), line crossing detection (human/motor vehicle/non-motor vehicle classification), scene change detection, video exception detection, target counting(human/vehicle /non-motor vehicle classification), face detection, face capture

DIMENSIONS



AVAILABLE ACCESSORIES



JSW-302



JSW-302
PEN-SB811

Thermal Network Bullet Camera



SPECIFICATIONS

Specifications	
Thermal Module	
Detector Type	17μm 384×288 a-Si uncooled focal plane detector
Response Waveband	8μm-14μm
NETD	≤40mK(@25°C, F#=1.0)
IRIS Type	Fixed Iris
Lens	12.3mm@F1.0
Field of View(H×V)	29.7°×22.5°
Min Focusing Distance	1m
DRI Distance Human (0.75m)	D: 36.2m(118.8ft) R: 90m(295ft) I: 4.5m(14.8ft)
DRI Distance Vehicle (2.3m)	D: 11.09m(36.38ft) R: 27.7m(90.9ft) I: 1.39m(4.56ft)
Color Palettes	Black hot, White hot, iron oxide red, etc
Visible Light Module	
Image Sensor	1/2.7" CMOS
Image Size	2592 × 1944
Electronic Shutter	1s ~ 1/100000s
Iris Type	Fixed Iris
Min Illumination	0.0125 lux@F2.0, AGCON; 0 lux with IR
Lens	8mm@F2.0
Field of View(H×V)	26.6°×19.3°
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	2D/3D DNR
Image	
Video Compression	H.265 / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Bit Rate Type	VBR/CBR
BitRate	128Kbps~8Mbps
Resolution	Thermal : 384×288 (the resolution of output image is 720P/D1/CIF/480×240) Optical : 5MP (2592×1944), 4MP (2592×1520), 2K (2560×1440), 3MP (2304×1296), 1080P (1920×1080), 720P (1280×720), D1, CIF, 480×240
Main Stream	Optical : 5MP/4MP/2K/3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps) Thermal : 720P/D1/CIF/480×240 (1~25fps)
Sub Stream	Optical : 720P/D1/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
Third Stream	Optical : D1/CIF/480×240 (60Hz: 1~30fps; 50Hz: 1~25fps)
Dual Image Fusion	Yes
Temperature Overlay	Temperature can be overlaid on video stream
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc adjustable through client software or web browser
Audio Compression	G711A/U
ROI	8 regions; each ROI to be configured separately

Interfaces	
Network	RJ 45
Video Output	No
Audio	1CH 3.5mm LIN in audio input; 1CH built-in speaker
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes
RS 485	Yes
Alarm	4CH alarm input; 4CH alarm output
Functions	
Temperature Range	-20°C~150°C (-4°F~302°F)
Temperature Accuracy	±8°C
Temperature alarm	Over temperature alarm, low temperature alarm
Temperature Measurement	10 rules in total (Point: up to 10; Line: up to 10; Area: up to 10)
Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Remote Monitoring	Web Browser/Sibell NVMS2.0/NVR/mobileAPP
Web Browser	IE11(plugin required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SD card error, SD card full, IP address conflict, Cable connection
Intelligent Analytics	Optical : intrusion detection/line crossing detection (human/motor vehicle/non-motor vehicle classification), scene change detection, video exception detection, target counting(human/motor vehicle/non-motor vehicle classification), face detection, face capture Thermal : fire detection, temperature exception alarm, intrusion detection/line crossing detection (human/motor vehicle classification)
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction
Sound&Light Warning	White light flashing alarm and sound alarm supported
PoE	Yes, IEEE802.3af, class0
IR Distance	50 ~ 70m
Protection Grade	IP66
Others	
Power Supply	DC12V/PoE
Power Consumption	<9W
Operating Environment	Humidity: less than 95% (non-condensing) -30°C ~ 60°C (-22°F~140°F)
Certificate	CE, FCC
Environment Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH(EC1907/2006)
Dimensions (mm)	278.3 × 100.2 × 88.7
Weight (net)	Approx 1.18KG
Installation	Ceiling mounting; Wall mounting

*The above-mentioned DRI distance is for reference only and the performance may vary according to different environment. The optimal human detection, recognition, and identification distances are calculated according to Johnson's Criteria.
Detection Range: In order to distinguish an object from the background, the object must be covered by 15 or more pixels.
Recognition Range: In order to classify the object (animal, human, vehicle, etc.), the object must be covered by 6 or more pixels.
Identification range: In order to identify the object and describe it in details, the object must be covered by 12 or more pixels.