

# THERMVIP-5MP

## 5MP THERMAL NETWORK BULLET CAMERA



### Thermal:

- Resolution: 256x192
- 12μm, NETD: ≤50mK (@25°C, F#=1.0)
- Temperature range: -20°C~150°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

### Optical:

- 5MP (2592 × 1944) @30 fps
- ICR auto switch, true day/night vision
- 20~30m IR night view distance
- 3D DNR, true WDR(120dB), HLC, BLC, Smart IR, distortion image correction, ROI etc.
- Intelligent analytics: intrusion detection (human/vehicle classification), line crossing detection (human/vehicle classification), scene change detection, video exception detection, target counting(human/vehicle classification), face detection, face capture

Specification	THERMVIP-5MP
<b>Thermal Module</b>	
Detector Type	12μm 256×192 Vanadium oxide uncooled focal
Response Waveband	8μm-14μm
NETD	≤50mK(@25°C, F#=1.0)
IRIS Type	Fixed Iris
Lens	3.2mm@F1.1
Field of View(H×V)	56°×42.2°
Min. Focusing Distance	1.1m
Color Palettes	Black hot, White hot, iron oxide red, etc.
<b>Visible Light Module</b>	
Image Sensor	1/ 2.7" CMOS
Image Size	2592 × 1944 (5MP)
Electronic Shutter	1 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.02 lux@F1.6,AGC ON; 0 lux with IR 0.03 lux@F2.0,AGC ON; 0 lux with IR
Lens	4mm@F1.6
Field of View(H×V)	81°×56.7°
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	2D/3D DNR
<b>Image</b>	
Video Compression	H.265 + / H.265 / H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Bit Rate Type	VBR/CBR
Bit Rate	128Kbps~ 8Mbps
Resolution	Thermal : 256 × 192 Optical : 5MP ( 2592 × 1944 ), 4MP ( 2592 × 1520 ), 2K ( 2560 1296 ),1080P ( 1920 × 1080 ), 720P ( 1280 × 720 ), D1, CIF, 480 × 240
Main Stream	Thermal: 60Hz: 256 × 192 (the resolution of output image is 720P) [1~30fps]; 50Hz: 256 × 192 (the resolution of output image is 720P) [1~25fps] Optical: 60Hz: 5MP/4MP/2K/3MP/1080P/720P [1~30fps]; 50Hz: 5MP/4MP/2K/3MP/1080P/720P [1~25fps]
Sub Stream	Thermal: 60Hz: 256 × 192 (the resolution of output image is 640×480) [1~30fps]; 50Hz: 256 × 192 (the resolution of output image is 640×480) [1~25fps] Optical: 60Hz: 720P/D1/CIF [1~30fps]; 50Hz: 720P/D1/CIF [1~25fps]
Third Stream	Thermal: 60Hz: 256 × 192 (the resolution of output image is 640×480) [1~30fps]; 50Hz: 256 × 192 (the resolution of output image is 640×480) [1~25fps] Optical: 60Hz: D1/CIF/480 × 240[1~30fps]; 50Hz: D1/CIF/480 × 240[1~25fps]

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<b>Image</b>	
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser
Dual Image Fusion	Display the details of optical channel on thermal channel
Video Overlay	The thermal image can be overlaid on visible light image
Audio Compression	G711A/U
ROI	8 regions; each ROI to be configured separately
<b>Interfaces</b>	
Network	RJ45
Audio	1CH 3.5mm MIC/LIN in audio input; 1CH audio output; 1CH built-in speaker
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes
Alarm	1CH alarm input; 1CH alarm output
<b>Functions</b>	
Temperature Range	-20°C~150°C (-4°F~302°F)
Temperature Accuracy	±8°C
Temperature Alarm	Over temperature alarm, low temperature alarm
Temperature Measurement	12 rules in total (10 points, 2 lines)
Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Remote Monitoring	IE browser, CMS
Online Connection	Supports simultaneous monitoring for up to 10 users; Supports multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, ICMP, IGMP, 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 (human/vehicle classification), line crossing detection (human/vehicle classification), scene change detection, video exception detection, target counting(human/vehicle classification) , face detection, face capture Thermal: fire detection, temperature exception alarm
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 , IEEE802.3 af, class0
IR Distance	20~ 30 m
Protection Grade	IP66
<b>Others</b>	
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]	217.8 × 80.5 × 80.3
Weight [net]	Approx. 0.7KG
Installation	Ceiling mounting; Wall mounting

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