

# VidoNet

## Body Temperature Detection Network Camera



VN-T5

- Uncooled IRFPA Microbolometer
- One IP address Two channels
- Effective Pixels 400×300
- Sensitivity  $\leq 40\text{mK}$
- Thermal: 8mm Fixed lens
- Visible: 2.7-12mm motorized lens
- Accuracy  $\pm 0.3^{\circ}\text{C}$
- Body detection, up to 30 Targets
- Response Time  $\leq 30\text{ms}$
- 17 color control

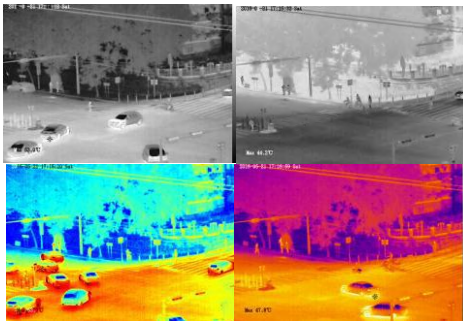
### System Overview

Featuring a fixed lens Dual Vision camera, this series provides an all-in-one solution that is especially beneficial for long distance video surveillance in outdoor applications. Together with Thermal technology, the camera's long range capabilities are able to be utilized even at night.

### Functions

#### Image Color Modes

White hot/black hot/iron bow/rainbow up to 17 modes



### Compatibility

ONVIF Compatible, also provide CGI and SDK for integration



### Smart Body Detection

Human body temperature monitoring,



### Up to 30 targets



### Technical Specification

Thermal Camera	
Detector Type	Uncooled IRFPA Microbolometer
Effective Pixels	400(H) × 300(V)
Pixel Size	17um
Thermal Sensitivity (NETD)	40mK @F1.0, 300K
Spectral Range	8~14um
Image Setting	Polarity LUT/ DVE/ Mirror/ FCC/ /3D DNR Brightness/ Contrast/ ROI
Color Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes
Thermal Lens	
Focus Control	Manual Focus
Focal Length	8mm
F No.	F1.0
Angle of View	H: 46°, V: 35°
Visible Camera	
Image Sensor	1/1.9" Sony CMOS
Effective Resolution	1920(H)×1080(V)
Shutter Speed	1/50 ~ 1/64,000s
Wide Dynamic Range	True WDR 120dB
Min. Illumination	Color:0.01Lux@(F1.2,AGCON) B/W: 0.001Lux @(F1.2, AGC ON)
S/N Ratio	More than 55dB
Visible Lens	
Focal Length	2.7 ~ 12mm
Max Aperture	F1.6~ F2.9
Angle of View	105°~ 32°
Optical Zoom	Motorized
Focus Control	Motorized
Close Focus Distance	0.2m
Video and Audio	
Compression	H.265, H.264, MJPEG
Frame Rate	Main Stream: Thermal: D1 @25/30fps Visible: 1920×1080/1280×720 @25/30fps Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640×360/CIF/QCIF/QVGA@25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Thermal: 100Kbps~6Mbps Visible: main stream: 500Kbps~10Mbps; sub stream: 100Kbps~6Kbps
Region of Interest	Off / On (8 Zone, Rectangle)
Electronic Image Stabilization(EIS)	N/A

Digital Zoom	16x
Mirror	Support
Defog	Support
Motion Detection	Support
Privacy Masking	Off / On (4 Area, Rectangle)
DVE Image Enhance	Support
Audio Compression	G.711, AMR, RAW_PCM (Optional)
Intelligence	
Smart Alarm	Motion detection, Disk alarm, I/O alarm, Temperature alarm, Temperature warning
IVS	Smart Body Detection, Perimeter ,Single Virtual Fences ,Double Virtual Fences ,Object Left ,Object Removed
Temperature Detection	
Detection Mode	Body temperature monitoring
Detection Preset	Max 30 goals
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	≤ 0.3 °C (Emission rate, distance, ambient temperature, etc.)
Response Time	≤ 30ms
Theory of temperature measurement range	-20 °C ~ 60 °C (-4°F ~ 140°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	
Ethernet	RJ-45 (10/100Base-T)
Protocols:	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, SIP ,802.1x
Interoperability	ONVIF, CGI
Streaming Method	Unicast
Max. User Access	10 Users
Edge Storage	NAS Local,PC for instant recording Micro SD card 128GB
Web Viewer	IE11, Firefox, Chrome
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
Interface	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Audio In,1ch Audio Out
Alarm	2ch Alarm In,2ch Alarm Out
RS485	Support
BNC Output	N/A
Reset Button	Support(Built-in)

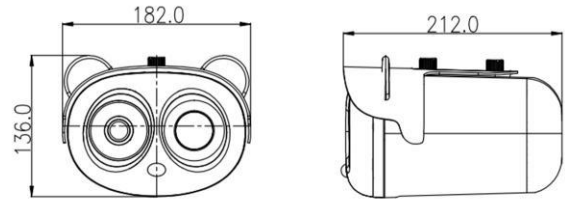
# VidoNet

## Body Temperature Detection Network Camera

### General

Power Supply	DC12V/POE
Power Consumption	Max 10W
Operating Temperature	-30 °C ~ 60 °C (-22°F ~ 140 °F) 0~
Storage Conditions	90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	212×182×136mm
Net Weight	2Kg

### Dimensions(mm)



### Optional:

\*Black body for temperature measurement calibration



### Black body

Radiation source temperature	5°C~ 50°C adjustable
Effective radiation surface	70mm × 70mm
Temperature accuracy	±0.2°C
Temperature stability	±( 0.1~0.2 )°C/30min
Effective emissivity	0.97
Temperature sensor	Pt100
Power supply	220V/AC 50Hz 50W
Weight (net)	1.8 kg
Dimension Size	W110 mm× H120 mm ×D180 mm

### Accessories



VN-BK346  
Wall bracket



VN-BK350  
Ceiling Bracket



VN-BK360  
Tripod

### Disclaimer:

The VidoNet Body Temperature Detection Network Camera System is not a medical device and is not designed for diagnosis, prevention, or treatment of any disease or condition.

The solution is a screening tool that businesses can use to identify individuals with elevated skin temperature compared to a customizable reference temperature on entering their premises.