



## INSTPBF5421PT | Thermal Network Bullet Camera

## Unify your Security Solution

In a highly fragmented industry, we have grown to become more than just a manufacturer. Time being our clients' more precious asset, we've adapted our methods and business structure to provide them with the best and simplest experience to ensure the protection of people, information and assets.

## Features



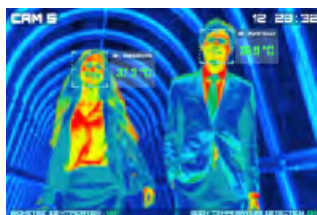
### High Sensitivity

High thermal sensitivity ( $<40\text{mK}$ ) allows the camera to capture more image details and temperature difference information.



### Protection

The camera allows for wide input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.



### Skin Temperature Measurement

Our thermal camera is characterized by non-contact, multi-objective, rapid, and no risk to temperature testers, etc. It can be conveniently deployed in public places with dense personnel, and can be used for efficient and safe preliminary screening of temperature anomalies.

# Technical Specifications

Thermal		
Detector Type	Vanadium oxide uncooled focal plane detector	
Effective Pixels	400 × 300	
Pixel Pitch	17 μm	
Spectral Range	8 μm–14 μm	
Thermal Sensitivity (NETD)	≤40 mK	
Focal Length	7.5 mm; 13 mm	
Field of View	7.5 mm: horizontal: 53.7°, vertical: 39.7° 13 mm: horizontal: 30°, vertical: 22.6°	
Focus Mode	Fixed-focal	
Aperture	F1.0	
Digital Detail Enhancement (DDE)	Yes	
Thermal Image Stabilization	Electronic Image Stabilization	
AGC	Auto; manual	
Noise Reduction	2D NR; 3D NR	
Image Flip	90°/180°/mirror	
Color Palettes	18 color modes selectable	
Temperature Measurement Range	30°C ~ +45°C	
Temperature Accuracy	Max ±0.3°C with blackbody Max ±1°C without blackbody	
Temperature Mode	Support 12 rules simultaneously	
Visible Lens		
Focal Length	4mm	8mm
Max Aperture	F2.0	F1.9
Angle of View	H: 84° V: 45°	H: 40° V: 22°
Audio and Video		
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG	
Resolution	Main stream: 1280 × 960; Sub stream: 400 × 300	
Audio Compression	G.711a; G.711mu; AAC; PCM	
Image Encoding Format	JPEG	
General Function		
Two-way Talk	Yes	
Network Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMP; QoS; UPnP; NTP	
Region of Interest (ROI)	Yes	
Edge Storage	FTP; Micro SD card, up to 256GB	
Interoperability	ONVIF; CGI	
User/Host	20 channels	
User Management	Support 20 users	
Malfunction Detection	Network disconnection; IP addresses conflict; SD card error	

# Technical Specifications

Port	
Analog Video Output	1 channel of CVBS output with BNC port
Network	1 10M/100M Ethernet port (RJ-45)
Alarm Input/Output	2 channels/2 channels
Audio Input/Output	1 channel/1 channel
Alarm Linkage	SD card recording/on-off output/siren and light/email/PTZ/snapshot
Alarm Event	Motion detection/privacy mask/audio detection/SD card abnormality/network abnormality/anti-burn warning
General	
Power Supply	12V±20% DC, 1.2A, PoE (802.3af), ePoE
Power Consumption	Max: 12W
Working Environment	10°C to +30°C, less than 95%
Ingress Protection	IP67
Weight	1.9 kg (4.19 lb)

## Dimensions (mm)

