

DH-TPC-BF5601-T

Thermal Network Bullet Camera



- \cdot 640 × 512 uncooled VOx thermal sensor technology
- · Athermalized lens (thermal), focus-free
- · Support temperature measurement
- · Various lens optional (7.5/13/25 mm)
- · 2/2 alarm in/out
- · Micro SD memory, IP67, PoE,ePoE

System Overview

Featuring a fixed lens bullet camera, this series provides an all-in-one solution that is especially beneficial for temperature measurement. Together with High Performance Thermal technology, the camera's long range capabilities are able to be utilized at night, even in deep darkness environments.

Functions

Uncooled VOx Technology

Dahua thermal cameras use uncooled VOx sensor technology. Their small size and better performance make them a cost-effective solution for thermal security.

High Sensitivity

High thermal sensitivity (<40 mK) allows cameras to capture more image details and temperature difference information.

Temperature Measurement

Dahua thermal cameras (-T models) provide remote temperature monitoring functionality with the ability to set temperature threshold alarms. Object temperatures can be monitored in daytime or at night, making them ideal for usage in power plant or oil extraction applications where overheating can be dangerous. When the temperature exceeds the set threshold, an alarm is triggered. The temperature range is between-20 °C to 550 °C.

Intelligent Video System (IVS)

IVS is a built-in video analytics algorithm that delivers intelligent functions to monitor a scene for tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area.

Environmental

With a temperature range of -40°C to +70°C (-40°F to 158°F) , the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

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.



Technic	al Spec	ification				Main stream:
Therma	I				Resolution	(1280 × 1024/1280 × 720/640 × 512/), 1280 x 1024 by default;
Detector Type			Vanadium oxide uncooled focal plane detector			Sub stream: (640 × 512/320 × 256), 640 × 512 by default
Effective Pixels			640 × 512		Audio Compression	G.711a; G.711mu; AAC; PCM
Pixel Pitch			17 μm		Image Encoding Format	JPEG
Spectral Range			8 μm-14 μm		General Function	
Thermal Sensitivity (NETD)			≤40 mK		Two-way Talk	Yes
Focal Length			7.5 mm; 13 mm; 25 mm			HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP;
Field of View			7.5 mm: horizontal: 91.2°, vertical: 70.3° 13 mm: horizontal: 48.9°, vertical: 38.8° 25 mm: horizontal: 24.6°, vertical: 19.8°		Network Protocol	SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/ v6; SNMP; QoS; UPnP; NTP
Focus Mo	de		Fixed-focal		Region of Interest (ROI)	Yes
Aperture			F1.0		Edge Storage	FTP; Micro SD card (256G, hot plug)
	Lens	Detection	Recognition	Identification	Interoperability	ONVIF; CGI; Dahua SDK
	7.5 mm	Vehicle: 558 m (21968.50 ft) Human: 221 m (8700.78 ft)	Vehicle: 147 m (5787.40 ft) Human: 57 m (2244.10 ft)	Vehicle: 74 m (2913.39 ft) Human: 28 m (1102.36 ft)	Browser	IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier
DRI Distance					User/Host	20 channels at most (the total bandwidth 64M)
Based on the reference: human (1.8 m × 0.5 m) vehicle (4 m × 1.4 m)	13 mm	Vehicle: 1020 m (40157.48 ft) Human: 382 m (15039.37 ft)	Vehicle: 255 m (10039.37 ft) Human: 98 m (3858.27 ft)	Vehicle: 127 m (5000.00 ft) Human: 49 m (1929.13 ft)	Security	Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1x; controlled network access
		Vehicle: 1961 m	Vehicle: 490 m	Vehicle: 245 m (9645.67 ft) Human: 95 m (3740.16 ft)	User Management	Support 20 users at most and users are classified as two groups-administrator group and user group.
	25 mm	(77204.72 ft) Human: 735 m (28937.01 ft)	(19291.34 ft) Human: 189 m (7440.95 ft)		Malfunction Detection	Network disconnection; IP addresses conflict; SD card error (status or storage space)
Digital De	tail Enhan	cement (DDE)	Yes		Professional and Intelligent	
Thermal Ir	mage Stab	ilization	Electronic Image Stabilization		Advanced Intelligent Functions	Fire detection & alarm, Cold/Hot spot tracking, Human/Vehicle classification, Auto Tracking
AGC			Auto; manual			
Noise Red	uction		2D NR; 3D NR		IVS Analytics	Tripwire/intrusion
Image Flip	1		90°/180°/mirror		Port	
Color Palettes			18 color modes selectable such as Whitehot/Blackhot/Ironrow/Icefire.		Analog Video Output	1 channel of CVBS output with BNC port
Temperat			Low temperature mode: -20°C (-4°F) to +150°C (302°F)		Network	1 10M/100M Ethernet port (RJ-45)
Measurement Range			High temperature mode: 0°C (34°F) to +550°C (1022°F)		Alarm Input	2 channels
Temperature Accuracy			Max (\pm 2°C , \pm 2%) Operating temperature: -20°C (-4°F) to +60°C (140°F)		Alarm Output	2 channels
					Audio Input	1 channel
T			Spot: 12 Line: 12		Audio Output	1 channel
Temperature Mode			Area: 12 Support 12 rules simultaneously		Alarm Linkage	SD card recording/on-off output/ siren and light/email/PTZ/snapshot
Audio and Video Video Compression			H 265, H 264, H 264H, H 264D, MIDEC		Alarm Event	Motion detection/privacy mask/audio detection/SD card abnormality/network
Video Compression			H.265; H.264; H.264H; H.264B; MJPEG			abnormality/anti-burn warning

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RS-485	1 channel			
Power				
Power Supply	12V±20% DC, 1.2A, PoE (802.3af), ePoE			
Power Consumption	Basic: 5.0W Maximum: 13W (power adapter excluded)			
Environment				
Operating Temperature	-40°C to +70°C (-40°F to 158°F)			
Operating Humidity	≤95%			
Storage Temperature	-50°Cto +80°C (-58°F to 176°F)			
Self-Adaptive	Auto heating to protect the chip under the cold environment			
Physical Characteristics				
Protection Grade	IP67, anti-surge 6KV, anti-elctrostatic 8KV (touched by objects), anti-elctrostatic 15KV (air)			
Dimensions	291 mm × 103.7 mm × 97 mm (11.46" × 4.06" × 3.82")			
Packaging Dimensions	365 mm × 175 mm × 176 mm (14.37" × 6.89" × 6.93")			
Net Weight	≤1.4 kg (3.09 lb)			
Gross Weight	≤1.9 kg (4.19 lb)	1		
Power Adaptor	Selectable			
Lens	Contained			
Certification				
Certifications	CE; FCC			

Accessories







DH-PFA121-V2

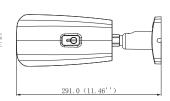
DH-PFA151

DH-PFA152-E

Wall Mount	Corner Mount	Pole Mount	
PFA121	PFA121+PFA151	PFA121+PFA150	

Dimensions (mm [inch])







Ordering Information								
Туре	Part Number	Description						
	DH-TPC-BF5401P-TB7	(with temperature measurement function)						
	DH-TPC-BF5401N-TB7	Thermal: 640 × 512 7.5 mm lens						
DH-TPC-	DH-TPC-BF5401P-TB13	(with temperature measurement function)						
BF5401-T	DH-TPC-BF5401N-TB13	Thermal: 640 × 512 13 mm lens						
	DH-TPC-BF5401P-TB25	(with temperature measurement function) Thermal: 640 × 512 25 mm lens						
	DH-TPC-BF5401N-TB25							

