

# DH-TPC-BF3221-T

## Thermal Body Temperature Monitoring Camera



- 256 x 192 VOx uncooled thermal sensor technology
- Athermalized Lens (thermal camera), Focus-free
- Smart linkage with strobe light & audio
- Measurement Accuracy:  $\pm 0.3^{\circ}\text{C}$ , with black body
- Temperature Measurement Range:  $30^{\circ}\text{C}$  to  $45^{\circ}\text{C}$
- Micro SD memory, IP67, ePoE, PoE

### System Overview

Featuring two video channels, it can realize the high accuracy temperature measurement. this series is designed for preliminary body temperature screening.

### Technical Specification

#### Thermal Camera

Effective Pixels	256(H)x192(V)
Pixel Size	12 $\mu\text{m}$
Thermal Sensitivity (NETD)	<50mK@f/1.1
Spectral Range	8 $\mu\text{m}$ –14 $\mu\text{m}$
Image Setting	Brightness/Sharpness/ROI/AGC/FFC/3D DNR
Color Palettes	18(Whitehot/Blackhot/Ironrow/Icefire/Fusion/Rainbow/Globow/Iconbow1/Iconbow2 .etc)
Lens Type	Fixed
Focus Control	Athermalized, Focus-free
Focal Length	7.1mm
Angle of View	H: 24° V: 18°

#### Visible Camera

Image Sensor	1/2.8" 2M CMOS
Effective Pixels	1920(H)x1080(V)
Electronic Shutter Speed	1/1 ~ 1/30,000s
Min. Illumination	Color: 0.005Lux; B/W: 0.0005Lux; 0Lux (IR on)
IR Distance	35m

IR On/Off Control	Auto/Manual
IR LEDs	1
Focal Length	8mm
Aperture	F1.9
Angle of View	H: 40° V: 22°
BLC	Yes
WDR	Yes
HLC	Yes
White Balance	Auto/Manual/Indoor/Outdoor/Tracking/Sodium lamp/Street lamp/Natural
AGC	Auto; Manual

#### Temperature Measurement

Measurement Range	$30^{\circ}\text{C}$ ~ $+45^{\circ}\text{C}$
Measurement Accuracy	$\pm 0.3^{\circ}\text{C}$ , with black body

## Video

Compression	H.265/H.264/MJPEG
Frame Rate	<p>Thermal Main stream: (1280 × 1024/1024 × 768/640 × 480/256 × 192@), 1280 × 960 by default; Sub stream: (640 × 512/256 × 192@), 256 × 192 by default</p> <p>Visible Main stream: (1920 × 1080/1280 × 720/704 × 576@), 1920 × 1080 by default; Sub stream: (704 × 576/352 × 288@), 355 × 288 by default</p> <p>Thermal: 50Hz: Main stream (1fps-25fps),25fps by default; sub stream (1fps-25fps),15fps by default; 60Hz: Main stream (1fps-30fps),30fps by default; sub stream (1fps-30fps),15fps by default;</p> <p>Visual: 50Hz: Main stream (1fps-25fps),25fps by default; sub stream (1fps-25fps),15fps by default; 60Hz: Main stream (1fps-30fps),30fps by default; sub stream (1fps-30fps),15fps by default;</p>

## Audio

Compression	G.711a/G.711Mu/AAC
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## Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x
Interoperability	Profile S & G, API
Streaming Method	Unicast/Multicast
Max. User Access	10 Users/20 Users

## Certifications

Certification	CE FCC
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## Interface

Audio Interface	1/1 In/Out
RS485	Support
Alarm	2/1 In/Out

## Electrical

Power Supply	12V±20% DC, 1.2A, PoE (802.3af), ePoE
Power Consumption	Basic: 5.0W Maximum: 12W (power adapter excluded)

## Environmental

Operating Condition	10°C ~ +30°C
Operating Humidity	≤95%
Ingress Protection	IP67

## Construction

Casing	Metal
Dimensions	279.9mm × 103.8mm × 95.8mm(With bracket)
Weight	< 1.4Kg

## Ordering Information

Type	Part Number	Description
DH-TPC-BF3221-T	DH-TPC-BF3221P-TB7F8 DH-TPC-BF3221N-TB7F8	Thermal: 256x192 7mm lens Visible: 2MP 8mm lens

## Dimensions (mm)

