

Thermal Temperature Monitoring Solution

Complete Solution to Detect and Monitor Temperatures



Solution Overview

The Dahua Thermal Temperature Monitoring Solution offers the latest hybrid thermal network camera that combines a Vanadium Oxide (VOx) sensor with a 2 MP visible-light sensor. The solution also provides a blackbody calibration device that maintains a customizable constant temperature as a reference point for the thermal camera. The thermal camera coupled with the blackbody calibration device and a feature-rich 4 TB Network Video Recorder delivers a contactless solution for continuous and non-invasive comparison of human skin temperature compared to the blackbody device. Thermal imaging equipment can easily be installed and implemented to detect elevated skin temperature in environments such as airports, hospitals, and clinics.

The Dahua Thermal Temperature Monitoring Solution is not FDA-cleared or approved. The Solution should not be solely or primarily used to diagnose or exclude a diagnosis of COVID-19 or any other disease. Elevated body temperature should be confirmed with secondary evaluation methods (e.g., an NCIT or clinical grade contact thermometer). Users, through their experience with the Solution in the particular environment of use, should determine the significance of any fever or elevated temperature based on the skin telethermographic temperature measurement. Visible thermal patterns are only intended for locating the points from which to extract the thermal measurement.

Thermal Camera Functions

High Thermal Sensitivity

The VOx detector offers high thermal sensitivity (≤ 50 mK) that allows Dahua thermal cameras to distinguish objects in a scene with minimal temperature differences. The camera captures detailed images where thermal contrast between object and background is minimal.

Smart Alarm

The camera is equipped with a white-light illuminator and an external speaker that can be triggered when the camera detects an abnormal event (which relies on user-defined parameters) either via the thermal or the visible-light sensor. The camera also takes a snapshot of the scene and can record the snapshot.

Required Components (sold separately)

- DH-TPC-BF5421-T Thermal Hybrid Network Camera
- JQ-D70Z Blackbody
- DHI-NVR5216-16P-I 16-channel NVR with Face Recognition

Recommended Accessories (sold separately)

- VCT-999 Tripod (x2)
- RQW026-00 Bracket (x2)
- DHL43-F600 Full HD Monitor

Solution Features

- Safe, Efficient, and Accurate Temperature Monitoring
- $\pm 0.3^{\circ}$ C ($\pm 0.54^{\circ}$ F) Temperature Measurement (with blackbody)
- Long-distance Rapid Screening at up to 4.50 m (15.0 ft), Monitoring 30 People per Second
- Enhanced Power and Data Transmission Distances (ePoE)
- Recommended Use in Commercial Buildings, Healthcare Facilities, Airports, Metro Stations, and Public Gathering Locations

NVR Functions

The Dahua DHI-NVR5216-16P-I combines Analytics+ algorithms with Dahua's ePoE technology into an all-in-one network video recorder. This NVR uses a powerful multi-core processor to provide 4K resolution processing for applications where impeccable image details are required. The Dahua Analytics+ algorithms significantly improve accuracy and reliability, as compared to standard intelligent features, to achieve precision human facial analysis. The NVR processes 24 facial images per second on up to four (4) channels of video stream face recognition and supports 20 face databases that can store up to 100,000 total face images.

Real-time Face Recognition

Analytics+ performs real-time facial recognition on up to four (4) streaming video channels simultaneously. The server captures and analyzes facial features to determine gender, age, expression, glasses, moustache, and mask, and then can record the faces and store the associated structured data. The server also filters incoming video to display faces that match target features.

Please note that the use of facial recognition technology is restricted or prohibited in some jurisdictions. Users are responsible for ensuring that their usage of the solution complies with applicable law, and Dahua disclaims all liability with respect to any legally non-compliant usage of the solution.

Enhanced Power over Ethernet Technology

Dahua's innovative ePoE technology offers a plug-and-play solution to transmit power and data over long distances via Ethernet or coaxial cables, reducing installation time and saving money. ePoE technology encompasses pure IP systems where a single CAT5E cable can carry signals up to 800 m (2624 ft), and IP/Analog hybrid systems where the technology leverages existing analog infrastructure to transmit signals up to 1000 m (3281 ft) over RG59 coaxial cable.

Technical Specification

DH-TPC-BF5421-T Thermal Hybrid Camera

Thermal Camera

| | |
|----------------------------|--|
| Image Sensor | Uncooled VOx Focal Plane Detector |
| Effective Pixels | 300 (H) x 400 (V) |
| Pixel Size | 17 μm |
| Thermal Sensitivity (NETD) | ≤40 mK |
| Spectral Range | 8 μm to 14 μm |
| Image Settings | Electronic Thermal Image Stabilization Digital Detail Enhancement |
| Color Palettes | 18, including: Whitehot, Blackhot, Icefire, Fusion, Rainbow, Globow, Ironbow1, and Sepia |

Thermal Lens

| | |
|---------------|---------------------------------------|
| Lens Type | Fixed-focal |
| Focus Control | Athermalized, Focus-free |
| Aperture | F1.0 |
| Focal Length | 13 mm |
| Angle of View | Horizontal: 30.0° Vertical: 22.60° |

Visible-light Camera

| | |
|--------------------------|---|
| Image Sensor | 1/2.8-in. CMOS |
| Effective Pixels | 1920 (H) x 1080 (V) |
| Electronic Shutter Speed | 1/1 s to 1/30,000 s |
| Minimum Illumination | Color: 0.002 lux at F1.9 B/W: 0.0002 lux at F1.9 0 lux with IR On |
| IR Distance | 35.0 m (114.83 ft) |
| IR On/Off Control | Auto, Manual |
| IR LEDs | One (1) |

Visible-light Lens

| | |
|------------------|----------------------------------|
| Focal Length | 8 mm |
| Maximum Aperture | F1.9 |
| Angle of View | Horizontal: 40° Vertical: 22° |

Temperature Measurement

| | |
|----------|---|
| Range | 30° C to 45° C (86° F to 113° F) |
| Accuracy | ±0.3° C (±0.54° F), with blackbody |
| Mode | Spot, Line, Area |
| Rule | Supports 12 Rules Simultaneously: <ul style="list-style-type: none"> Spot: 12 Line: 12 Area: 12 |

Video

| | | |
|--------------------|--|--|
| Compression | H.265, H.264, H.264H, H.264B, MJPEG | |
| Frame Rate | Main Stream | |
| | Thermal | 1280 x 960, 1024 x 768, 640 x 480, 256 x 192 at 30 fps |
| | Visible | 1920 x 1080, 1280 x 720, 704 x 480 at 30 fps |
| | Sub Stream | |
| | Thermal | 640 x 480, 256 x 192 at 30 fps |
| | Visible | 704 x 480, 352 x 240 at 30 fps |
| Bit Rate Control | CBR, VBR | |
| Bit Rate | H.264: 640 Kbps to 8192 Kbps | |
| Day/Night | Auto (ICR), Color, B/W | |
| BLC Mode | BLC, HLC, WDR | |
| White Balance | Auto, Indoor, Outdoor, ATW, Manual, Natural, Street Lamp | |
| Motion Detection | Off, On (4 zones, Rectangle) | |
| Noise Reduction | 2D, 3D | |
| Advanced Features | Electronic Thermal Image Stabilization Digital Detail Enhancement | |
| Region of Interest | Off, On (4 zones) | |
| Defog | Off, Manual, Auto | |
| Flip | 90°, 180° | |
| Mirror | Off, On | |
| Privacy Masking | Off, On (4 areas, Rectangle) | |

Network

| | |
|---------------------|---|
| Ethernet | RJ-45 (10/100 Base-T) |
| Protocol | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, ONVIF |
| Interoperability | ONVIF, CGI, Dahua SDK |
| Streaming Method | Unicast, Multicast |
| Edge Storage | FTP MicroSD Card slot (up to 256 GB) |
| Maximum User Access | 20 Users (64 Mbps total bandwidth) |
| User Management | Supports 20 users at one time and users are classified as one of two groups: administrator or user |
| Security | Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1x; controlled network access |
| Web Viewer | IE 8 or later, Explorer with IE Core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier |

Certifications

| | |
|-------------------------------------|---|
| Safety | UL 60950-1 CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 IEC 60950-1:2005 (Second Edition); Am1:2009 + Am2:2013 |
| Electromagnetic Compatibility (EMC) | CFR 47 FCC Part 15 Subpart B ANSI C63.4 2014 EN 55032:2015 EN 61000 3 2:2014 |

Technical Specification - Thermal Hybrid Camera, cont.

Interface

| | |
|-------------------|--|
| Video | Output: One (1) Channel, CVBS with BNC |
| Audio | Input: One (1) Channel, 3.5 mm Jack Output: One (1) Channel, 3.5 mm Jack |
| Audio Compression | G.711a, G.711Mu, AAC, PCM |
| RS485 | One (1) Port |
| Alarm | Input: Two (2) Channels Output: Two (2) Channels |
| Alarm Linkage | SD Card Recording, On/off Output, Siren and Light, Email, PTZ, snapshot |
| Alarm Actions | Motion Detection, Privacy Mask, Audio Detection, SD Card Abnormality, Network Abnormality, anti-burn warning |

Electrical

| | |
|-------------------|--|
| Power Supply | 12 VDC \pm 20% , PoE (IEEE802.3af Class 0), or ePoE (Refer to the ePoE/EoC chart on the last page) |
| Power Consumption | Standard: 5 W Maximum 12 W |

Environmental

| | |
|-----------------------------|--|
| Operating Temperature | 10° C to +30° C (50° F to 95° F), Less than 95% RH |
| Storage Conditions | -40° C to 70° C (-40° F to 158° F) |
| Ingress Protection | IP67 |
| Static Discharge Protection | Physical Contact: 8 KV Via Air: 15 KV |
| Self-Adaptive | Toggles heater on or off, depending on ambient temperature |

Construction

| | |
|-----------------------|---|
| Casing | Metal |
| Dimensions, camera | 279.90 mm x 103.80 mm x 95.80 mm (11.02 in. x 4.09 in. x 3.77 in.) |
| Dimensions, packaging | 365.0 mm x 175.0 mm x 176.0 mm (14.37 in. x 6.89 in. x 6.93 in.) |
| Net Weight | 1.40 kg (3.09 lb) |
| Gross Weight | \leq 1.90 kg (4.19 lb) |

Ordering Information

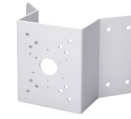
| Type | Part Number | Description |
|--------------------------------|-----------------|--|
| Hybrid Network Camera | DH-TPC-BF5421-T | Hybrid Network Bullet Camera, Thermal: 300 x 400, 13 mm lens, Visible-light: 2 MP, 8 mm lens |
| Mounting Accessories, optional | PFA121 | Junction Box |
| | PFA151 | Corner Mount |
| | PFA152-E | Pole Mount |
| | DH-PFM320D-US | 12 VDC, 2 A Power Adapter |
| | DH-PFM321D-US | 12 VDC, 1 A Power Adapter |

Accessories

Optional:



PFA121
Junction Box



PFA151
Corner Mount



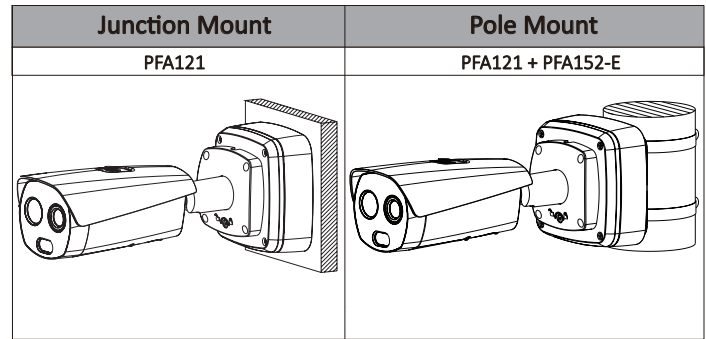
PFA152-E
Pole Mount



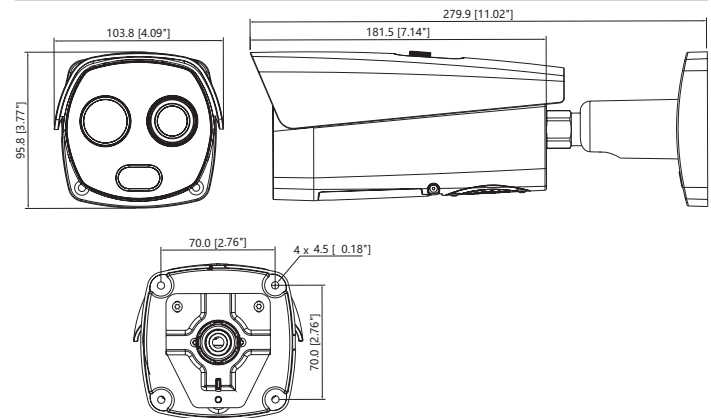
DH-PFM320D-US
12 VDC, 2 A
Power Adapter



DH-PFM321D-US
12 VDC, 1 A
Power Adapter



Dimensions (mm/in.)



Technical Specification

DHI-NVR5216-16P-I 16-channel NVR

System

| | |
|------------------|-------------------------------|
| Main Processor | Multi-core Embedded Processor |
| Operating System | Embedded LINUX |

Analytics+ Perimeter Protection

| | |
|-----------------------|--|
| Performance | <ul style="list-style-type: none"> • 16 channels • 9 Tripwire/Intrusion rules per channel |
| Object Classification | <ul style="list-style-type: none"> • Human or Vehicle • Secondary Recognition for Tripwire and Intrusion |
| Search | <ul style="list-style-type: none"> • Search by object classification (human or vehicle) |

Analytics+ Face Recognition

| | |
|----------------------|--|
| Performance | <ul style="list-style-type: none"> • Process 24 facial images per second • Up to four (4) channels of video stream face recognition • 16 channel picture stream face recognition (with face detection camera) |
| Stranger Mode | <ul style="list-style-type: none"> • Detects a face not stored in the database. • Similarity Threshold set manually. |
| Search by Image | <ul style="list-style-type: none"> • Up to eight (8) target face image searches simultaneously. • Supports Similarity Threshold for each target face image. |
| Database Management | <ul style="list-style-type: none"> • 20 Face Databases • 100,000 total face images • Stores name, gender, birthday, nationality, address, ID information for each face picture. |
| Database Application | Each database can be applied to video channels independently. |
| Trigger Events | Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation |

Analytics+ Metadata Extraction

| | |
|-------------------|--|
| Face | Gender, age, wearing glasses, beard, wearing mask |
| Vehicle | Color, model, logo, plate color, decorations, driver on phone, driver wearing seatbelt |
| Human Body | Clothing style and color, wearing hat, carrying bag |
| Non-motor Vehicle | Type, color, number of people |
| Search | Search video for target using metadata tags |

Audio and Video

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|-----------------|--|
| IP Camera Input | 16 Channels |
| Two-way Talk | Input: One (1) Microphone, RCA Output: (1) Channel, RCA |

Display

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|---|---|
| Interface | One (1) HDMI Output One (1) VGA Output |
| Native Output Resolution (HDMI and VGA) | 3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720 1024 x 768 |
| Maximum Decoding | Four (4) Channels of 8 MP at 30 fps 16 Channels of 1080p at 30 fps |
| Multi-screen Display | 1, 4, 8, 9, 16 |

Recording

| | |
|--------------------------------|---|
| Compression | Smart H.265+, H.265, Smart H.264+, H.264, MJPEG |
| Supported IP Camera Resolution | 16 MP, 12 MP, 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 1080p, 1.3 MP, 720p, D1, CIF |
| Maximum Incoming Bandwidth | 320 Mbps (160 Mbps when Analytics+ functions enabled) |
| Record Mode | Manual, Schedule (Continuous, Motion Detection, Alarm, IVS) |
| Record Interval | 1 to 120 minutes (default: 60 minutes) Pre-record: 1 to 30 s Post-record: 10 to 300 s |

Video Detection and Alarm

| | |
|-----------------|--|
| Trigger Events | Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt, Buzzer and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 x 18); Video Loss, Tampering, and Scene Change |
| Alarm Inputs | Four (4) Channels |
| Relay Outputs | Two (2) Channels |

Playback and Backup

| | |
|---------------|---|
| Sync Playback | 1, 4, 9, 16 |
| Search Mode | Time and Date, Alarm, Motion Detection, and Exact Search (accurate to one second) |
| Backup Mode | USB Device, Network |

Third-party Support

| | |
|---------------------|---|
| Third-party Support | Arecont Vision, AXIS, Canon, Dynacolor, Panasonic, Pelco, Samsung, Sanyo, Sony, plus more |
|---------------------|---|

Network

| | |
|--------------------------|--|
| Interface | One (1) RJ-45 Port (10/100/1000 Mbps) |
| PoE | 16 PoE Ports (IEEE802.3af/at) |
| ePoE and EoC | Ports 1 through 8 |
| Network Function | HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Center, IP Search (Support Dahua IP camera, DVR, NVS, etc.), P2P |
| Maximum User Access | 128 Users |
| Mobile Operating Systems | IOS, Android |
| Interoperability | ONVIF 2.4, SDK, CGI |

Storage

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|--------------|--|
| Internal HDD | Two (2) SATA III Ports, up to 8 TB capacity for each HDD Ships with a pre-installed 4 TB HDD |
|--------------|--|

Auxiliary Interface

| | |
|-------|---|
| USB | One (1) USB 3.0 Port, rear One (1) USB 2.0 Port, front |
| RS232 | One (1) Port for PC Communication and Keyboard |
| RS485 | One (1) Port for PTZ Control |

Technical Specification - 16-channel NVR, cont.

Electrical

| | |
|------------------------|--|
| Power Supply | Single, 100 VAC to 240 VAC, 50/60 Hz |
| Power Consumption, NVR | < 16.5 W, without HDD |
| PoE Budget | <ul style="list-style-type: none"> • 130 W Total Rated Power (80% control for protection) • Maximum 25.5 W for a single port |

Environmental

| | |
|----------------------|---|
| Operating Conditions | -10° C to +55° C (14° F to 131° F), 86 kpa to 106 kpa |
| Storage Conditions | -20° C to +70° C (-4° F to 158° F), 0% to 90% RH |

Construction

| Dimensions | |
|---------------------------------|--|
| NVR | 1U, 375.0 mm x 327.18 mm x 53.80 mm (14.76 in. x 12.88 in. x 2.12 in.) |
| NVR with PFH101 Rack Mount Tray | 482.60 mm x 327.18 mm x 53.80 mm (19.0 in. x 12.88 in. x 2.12 in.) |
| Net Weight | 2.70 kg (5.95 lb), without HDD |
| Gross Weight | 4.00 kg (8.82 lb), without HDD |
| Installation | Standard 19-in. Rack-mount |

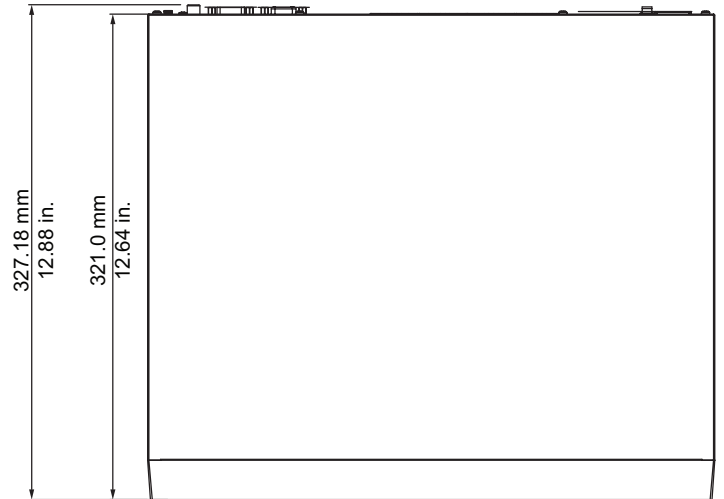
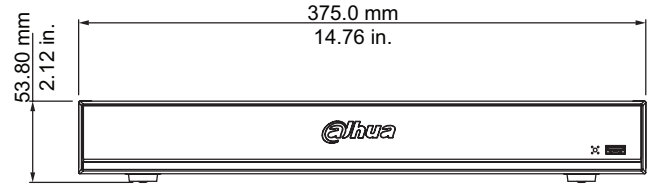
Certifications

| | |
|-------------------------------------|--|
| Safety | UL 60950-1 EN60950-1 |
| Electromagnetic Compatibility (EMC) | FCC CFR 47 Part 15 Subpart B EN 55032:2015 EN 61000 3 2:2014 |

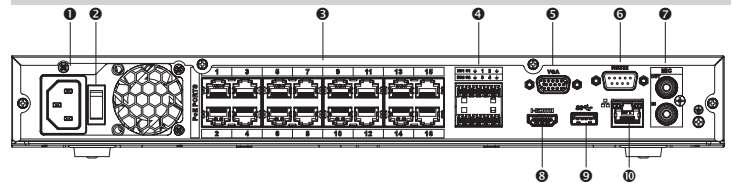
Ordering Information

| Type | Part Number | Description |
|------------------------|-----------------------|--|
| 4K NVR with Analytics+ | DHI-NVR5216-16P-1 4TB | 16-channel 1U ePoE 4K, H.265 Network Video Recorder with Analytics+, 4 TB |
| Accessories, optional | PFH101 | Rack Mount Tray 482.60 mm x 281.20 mm x 43.7 mm (19.0 in. x 11.07 in. x 1.72 in.) |
| ePoE Accessories | LR1002 | EoC Passive Converter |

Dimensions



Rear Panel



| | | | |
|---|--|----|---------------------------------------|
| 1 | Power Input | 6 | RS232 Port |
| 2 | Power Switch | 7 | Audio Input, RCA Audio Output, RCA |
| 3 | PoE/PoE+ Ports, RJ-45 (x16) ePoE/EoC Ports: 1 through 8 | 8 | HDMI Output |
| 4 | Alarm Input (x2) Alarm Output (x2) RS485 | 9 | USB 3.0 Port |
| 5 | VGA Output | 10 | RJ-45 Ethernet Port (1000 Mbps) |

ePoE/EOC Transmission Distances

Via CAT5E/CAT6 Ethernet Cable

ePoE supply voltage 48 V
Maximum DC resistance < 10 Ω/100 m

| Cable Length, m (ft) | Bandwidth, Mbps | PoE Load Capacity, W | Hi-PoE Load Capacity, W | Working Mode |
|----------------------|-----------------|----------------------|-------------------------|--------------|
| 100 (328) | 100 | 25.5 | 53 | IEEE/E100 |
| 200 (656) | 100 | 25.5 | 33 | E100 |
| 300 (984) | 100 | 19 | 19 | E100 |
| 400 (1312) | 10 | 17 | 17 | E10 |
| 500 (1640) | 10 | 13 | 13 | E10 |
| 800 (2625) | 10 | 7 | 7 | E10 |

Via CAT5E/CAT6 Ethernet Cable

ePoE supply voltage 53 V
Maximum DC resistance < 10 Ω/100 m

| Cable Length, m (ft) | Bandwidth, Mbps | PoE Load Capacity, W | Hi-PoE Load Capacity, W | Working Mode |
|----------------------|-----------------|----------------------|-------------------------|--------------|
| 100 (328) | 100 | 25.5 | 53 | IEEE/E100 |
| 200 (656) | 100 | 25.5 | 47 | E100 |
| 300 (984) | 100 | 25.5 | 32 | E100 |
| 400 (1312) | 10 | 23 | 26 | E10 |
| 500 (1640) | 10 | 20 | 20 | E10 |
| 800 (2625) | 10 | 13 | 13 | E10 |

Via RG-59 Coaxial Cable

ePoE supply voltage 48 V
Maximum DC resistance < 5 Ω/100 m

| Cable Length, m (ft) | Bandwidth, Mbps | PoE Load Capacity, W | Hi-PoE Load Capacity, W | Working Mode |
|----------------------|-----------------|----------------------|-------------------------|--------------|
| 100 (328) | 100 | 25.5 | 50 | IEEE/E100 |
| 200 (656) | 100 | 25.5 | 30 | E100 |
| 300 (984) | 100 | 18 | 18 | E100 |
| 400 (1312) | 100 | 15 | 15 | E100 |
| 500 (1640) | 10 | 12 | 12 | E10 |
| 800 (2625) | 10 | 6 | 6 | E10 |
| 1000 (3281) | 10 | 5 | 5 | E10 |

Via RG-59 Coaxial Cable

ePoE supply voltage 53 V
Maximum DC resistance < 5 Ω/100 m

| Cable Length, m (ft) | Bandwidth, Mbps | PoE Load Capacity, W | Hi-PoE Load Capacity, W | Working Mode |
|----------------------|-----------------|----------------------|-------------------------|--------------|
| 100 (328) | 100 | 25.5 | 52 | IEEE/E100 |
| 200 (656) | 100 | 25.5 | 48 | E100 |
| 300 (984) | 100 | 25.5 | 30 | E100 |
| 400 (1312) | 100 | 20 | 23 | E100 |
| 500 (1640) | 10 | 16 | 16 | E10 |
| 800 (2625) | 10 | 10 | 10 | E10 |
| 1000 (3281) | 10 | 8 | 8 | E10 |

Technical Specification

JQ-D70Z Blackbody

| | |
|------------------------------|---|
| Working Temperature | Factory Settings: 35.0° C (95.0° F), 37° C (98.6° F), 40.0° C (104.0° F) Environmental Temperature: +5° C to 50° C (41° F to 122° F) |
| Effective Radiant Surface | 70 mm x 70 mm (2.76 in. x 2.76 in.) |
| Temperature Resolution | 0.1° C |
| Temperature Accuracy | ±0.2° C (single point) |
| Temperature Stability | ±0.1° C to 0.2° C / 30 minutes |
| Effective Emissivity | 0.97 |
| Temperature Sensor | Pt100 |
| Power Supply | 110 VAC to 220 VAC |
| Power Consumption | 35 W |
| Net Weight | 1.80 kg (3.97 lb) |
| Dimensions (W x H x D) | 110.0 mm x 120.0 mm x 180.0 mm (4.33 in. x 4.72 in. x 7.09 in.) |
| Ambient Operating Conditions | 0° C to 40° C (32° F to 104° F), ≤ 80% RH |

Certifications

| | |
|-------------------------------------|--|
| Safety | EN 62368-1:2014 + A11:2017 IEC 62368-1:2014 (Second Edition) |
| Electromagnetic Compatibility (EMC) | CFR 47 FCC Part 15 Subpart B EN 55032:2015, EN 61000 3 2:2014, EN 61000 3 3:2013, EN 55024:2010/A1:2015, EN 55035:2017, EN 50130 4:2011/A1:2014 |

Accessories

| Accessory | Description |
|-----------|---|
| VCT-999 | Tripod Two (2) required: • One (1) for thermal camera • One (1) for blackbody |
| RQW026-00 | Bracket Two (2) required: • One (1) to connect thermal camera to tripod • One (1) to connect Blackbody to tripod |

Installation Recommendations

Thermal Camera and Blackbody Setup

| Lens Focal Length | Distance Between Camera and Blackbody | Distance Between the Human Forehead and the Camera |
|-------------------|---------------------------------------|--|
| 13.0. mm | 3.0 m (118.11 in.) | 3.0 m (118.11 in.) |

Note: The accuracy of temperature monitoring is best when the human forehead and blackbody are at the same distance from the camera.

Installation Recommendations

Monitoring

| | | |
|----------|---------------------------------|--------------------|
| Height | Thermal Camera | 2.0 m (78.74 in.) |
| | Blackbody | 1.80 m (70.87 in.) |
| Distance | up to 4.57 m (15 ft or 180 in.) | |
| Rate | up to 30 people per second | |

Installation Diagrams

The two diagrams below depict a suggested layout and configuration for temperature monitoring in a building lobby. These diagrams show the optimal camera and blackbody configuration and placement.

