Stay Ahead of the Flames
Hikvision Thermal Products

www.hikvision.com
support@hikvision.com

HIKVISION

Stay Ahead of the Flames
Hikvision Thermal Products
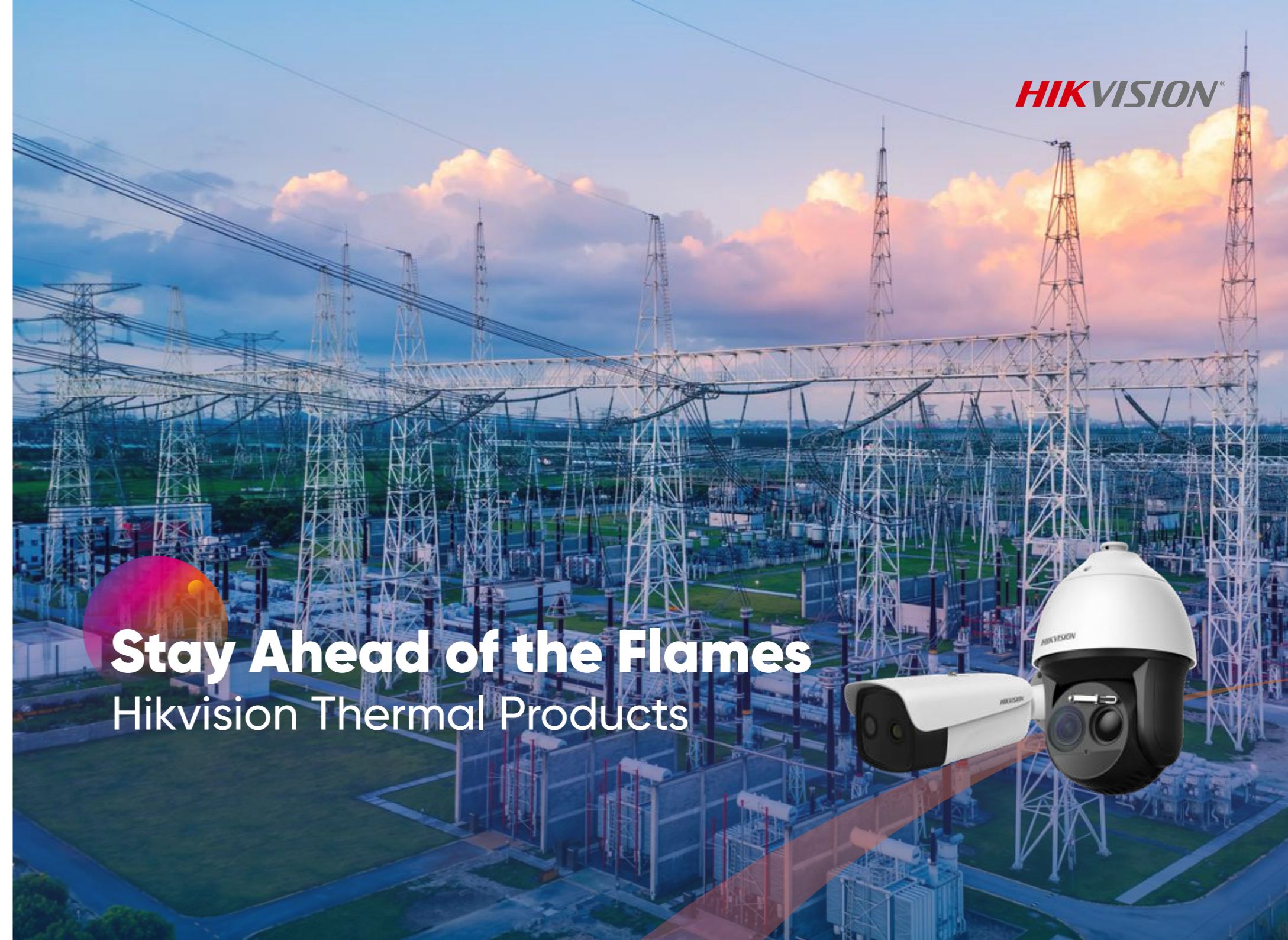
HIKVISION

ABOUT HIKVISION

Leading Provider of AIoT Products and Solutions

Hikvision is committed to serving various industries through its cutting-edge technologies of machine perception, artificial intelligence, and big data, leading the future of AIoT:

Through comprehensive machine perception technologies, we aim to help people better connect with the world around them.

With a wealth of intelligent products, we strive to identify diverse demands by delivering intelligence at your fingertips.

Through innovative AIoT applications, we are dedicated to empowering every individual to enjoy a better future by building an intelligent world that is more convenient, efficient and secure.

Dynamic Growth & Global Impact

Dynamic Growth

$ 12.68 B Total revenue in 2023

28% Compound annual growth rate from 2010 to 2023

58,000+ Employees worldwide

*Based on the average exchange rate in 2023: USD 1 = RMB 7.0467

Global Coverage

4 Regions: Pan Asia Pacific, Pan Europe, Middle East and Africa, Americas

18 Regional logistics centers

80 Subsidiaries and branch offices outside the Chinese mainland

400+ After-sales service points

Business Scope

Core Business

Public Service Business	Smart city Urban governance	Intelligent traffic Public transport ...
Enterprise Business	Retail Logistics Energy	Education Healthcare Manufacturing ...
SMB Business	One-stop solutions with intelligent products, covering video security, access control, intercom, alarms, etc.	

8 Innovative Businesses

Smart Home

Automotive Electronics

Robotics

Intelligent Storage

Fire Security

Infrared Sensing

X-Ray Detection

Medical Imaging

SMALL-AREA FIRE PREVENTION

Warehouses

Data Centers

E-Charging Stations

Factories

Battery Storage Factories

Temperature Detectionn

Provides non-contact temperature measurement for fast and visible detection, so actions can be taken early enough to prevent a fire before the worst happens.

Light & Audio Warning

Detects threats in a timely manner and triggers a strobe light with customizable audio alarms.
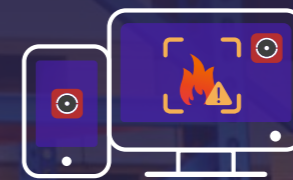
HeatPro

MEDIUM-AREA FIRE PREVENTION

Forklift Filter

With the help of an AI algorithm, Hikvision thermography cameras recognize and ignore the heat from forklift engines to reduce unwanted alarms.

Sun Reflection

Our thermography cameras can analyze potential fire points. In the case of overexposure, the alarm will be filtered out.

Certified CNPP

Industrial Scenarios
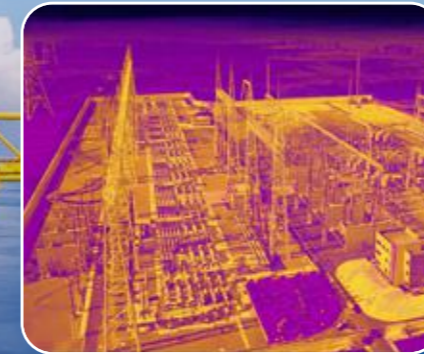
Electrical
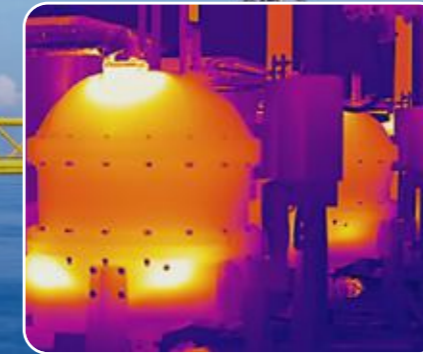
Manufacturing

Waste & Recycling
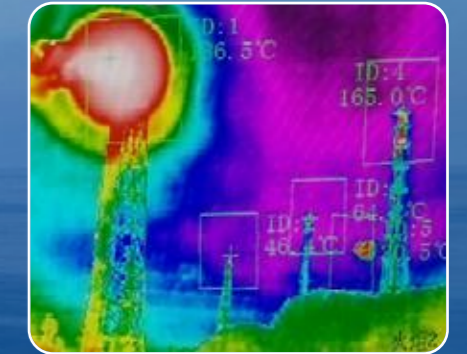
Energy

HIKVISION

LARGE-AREA FIRE PREVENTION

Excellent for protection in natural areas, both public and private

Wide Coverage
Hikvision thermal PT cameras cover vast areas with fewer installation points for maximum cost reduction.

Stability
Since remote device replacement is difficult, Hikvision products are designed for maximum stability and durability.

Accuracy
Our solution boosts low false alarm rates and timely, accurate detections to reduce potential losses.

Timeliness
Our solution provides 24/7 monitoring and detects fires as early as possible, deploying patrol routes to shorten intervals.

Thermal Channel: Fire Source Detection

Thermal fire source detection algorithms locate suspicious heat sources. They compare temperatures between a target and environment to detect differences against the set threshold.

Optical Channel: Smoke Detection

Optical lenses in PTZ cameras deliver smoke detection as a supplement to thermal fire-source detection. Since smoke comes before fire, and fire may be covered by leaves or terrain, the smoke detection algorithm helps to locate hazards early.

National Forests

High-Value Plantations

Wildlife Parks

Large Resorts
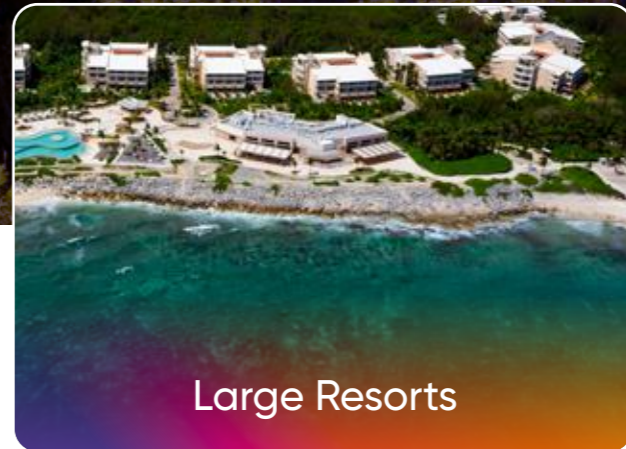
Hikvision Thermal Products

THE BASICS OF THERMAL CAMERAS

Each type of radiation has a unique wavelength. Any object with a temperature above absolute zero can emit a detectable amount of infrared radiation. The higher an object's temperature, the more infrared radiation is emitted.
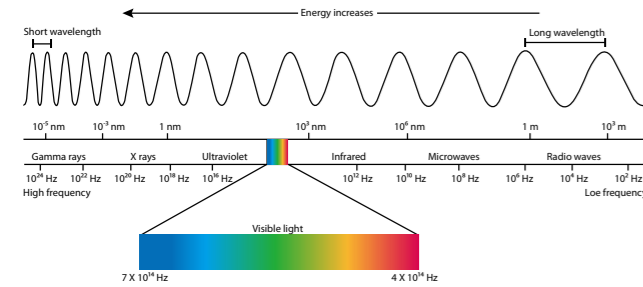
While invisible to human eyes, thermal cameras detect this kind of radiation (from wavelength 8 to 14 μm, or 8,000 – 14,000 nm) and produce images using temperature differences, making it possible to see the environment without visible light.

An infrared camera's effective range is what is meant by "seeing an object". Defined thresholds, known as Johnson's Criteria, refer to the minimum number of pixels necessary to either detect, recognize, or identify targets captured by scene imagers. The lower limits of detection, recognition, and identification (DRI), according to Johnson criteria are:

Detection: In order to distinguish an object from the background, the image must be covered by 1.5 or more pixels.

Recognition: In order to classify the object (animal, human, vehicle, boat, etc.), the image must have at least 6 pixels across its critical dimension.

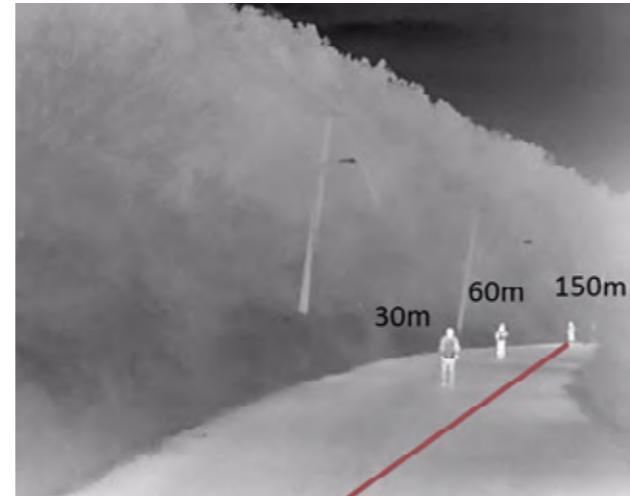**Identification**: In order to identify the object and describe it in details, the critical dimension must be at least 12 pixels across.

Detection, recognition and identification distances (with 8 mm lens)

Electromagnetic spectrum

Energy increases

Short wavelength → Long wavelength

10^{-3} nm 10^{-1} nm 1 nm 10^3 nm 10^6 nm 1 m 10^9 m

Gamma rays | X rays | Ultraviolet | Infrared | Microwaves | Radio waves

10^{20} Hz 10^{18} Hz 10^{16} Hz 10^{12} Hz 10^8 Hz 10^4 Hz 10^2 Hz 10^0 Hz
High frequency   Low frequency

Visible light

7 X 10^{14} Hz   4 X 10^{14} Hz

Detection Distance

Notice: This distance is based on a 17-μm detector.

- Detection
- Recognition
- Identification

	Detection	Recognition	Identification
3 mm	91 m	23 m	11 m
15 mm	441 m	110 m	55 m
25 mm	1471 m	368m	184 m
50 mm	5588 m	1397m	699m

- Temperature Measurement (Object: 0.2 × 0.2 m)
- Temperature Measurement (Object: 0.5 × 0.5 m)

	Object 0.2×0.2	Object 0.5×0.5
3 mm	6.82 m	17.2 m
15 mm	35.3 m	88 m
25 mm	117.6 m	294 m
50 mm	447.1 m	1117.5 m
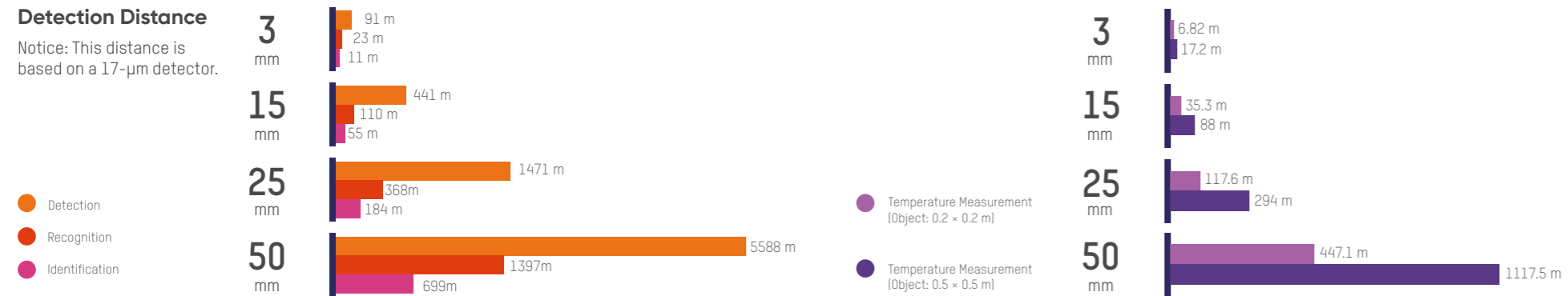
WHY DO WE USE THERMOGRAPHY CAMERAS
FOR TEMPERATURE MEASUREMENT?

Hikvision thermography cameras have been widely used in detecting temperature anomalies before a fire starts, finding hot spots and invisible defects on machinery or electrical systems that could indicate a potential problem. These cameras are also used for surveying areas that are hard to reach with conventional measurement tools.

Detect Fire Risks Right Away

Hikvision thermography cameras can efficiently identify temperature anomalies with visualized images. When the surface temperature of an object is abnormal, the camera will immediately trigger the alarm for fast and accurate troubleshooting.

Get Accurate Temperatures Instantly

Through strict calibration and standardized testing procedures, Hikvision has established a temperature measurement model that offers high accuracy up to ±2 °C or ±2% (whichever is greater), along with a wide range from 20 to 550°C (-4° F to 1,022° F).

Flexible measurement rules help create more sensing methods.

Real-Time Warnings

Identifies temperature anomalies within a few seconds to help protect your property.

Non-Contact Inspection

Prevents damage to facilities and operations while providing continuous monitoring.

Visualized Image

Presents heating distribution clearly to vizualize fire locations easily.

Hikvision Thermal Products

8

PRODUCT MODELS

DS-2TD2628T/QA

Thermographic Network Bullet Camera
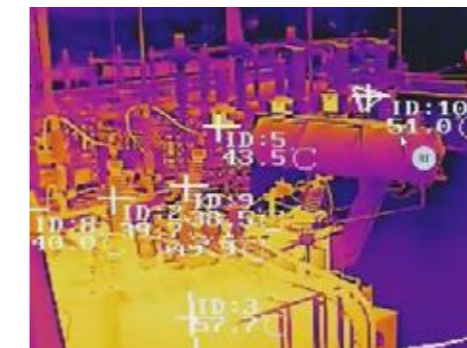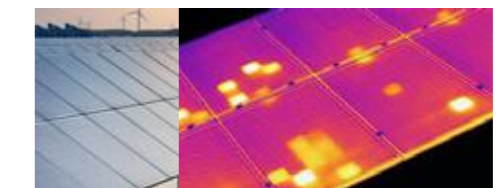
Thermal: 256 x 192, 12 µm, Optical: 2688 x 1520
Lens (Thermal): 3 / 7 mm
Lens (Optical): 4 / 6 mm
FOV (Thermal): 3 mm: 50.0 x 37.3°; 7 mm: 24.9 x 18.7°
Audible Alert and Strobe Light
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of inputs (0-5 VDC)
Alarm Output: 2 ch., of relay outputs (alarm response actions configurable)
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP67, IK10

DS-2TD1228T/QA(B)

Thermographic Network Turret Camera

Thermal: 256 x 192, 12 µm, Optical: 2688 x 1520
Lens (Thermal): 2 / 3 mm
Lens (Optical): 2 / 4 mm
FOV (Thermal): 2 mm: 90.0 x 65.4°; 3 mm: 50.0 x 37.3°
Audible Alert and Strobe Light
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
No Alarm Input
Alarm Output: 2 ch., of relay outputs (alarm response actions configurable)
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP66

HM-TD3028T/Q(B)

Thermographic Network Cube Camera

Thermal: 256 x 192, 12 µm; Optical: 2688 x 1520
Lens (Thermal): 2 / 3 mm Lens (Optical): 1.4 mm
FOV (Thermal): 2 mm: 90.0 x 64.2°; 3 mm: 50.0 x 37.2°
Smart white light supplement
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
No Alarm Input
Alarm Output: 2 ch., of relay outputs (alarm response actions configurable)
Operating Temperature: -20 to 60°C (-4 to 140°F)
IP67

HM-TD2037T/X

Thermographic Network Automation Camera

Thermal: 384 x 288, 17 µm
FOV: 4 mm: 90 x 65.2°; 7 mm: 60 x 44.1°; 10 mm: 37.5 x 28.5°, 15 mm: 24.3 x 18.4°, 25 mm: 14.8 x 11.2°
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 1 ch. of input (0-3.3 VDC)
Alarm Output: 1 ch. of relay outputs, alarm response actions configurable
Operating Temperature: -20 to 50°C (-40 to 149°F)
IP40

HM-TD2638T/G0/T1Y

Thermographic Network Bullet Camera

Thermal: 384 x 288, 12 µm, Optical: 2688 x 1520
Lens: 4 / 8 / 10 mm
FOV: 4 mm: : 60.2 x 45°; 8 mm: 35 x 26.1°; 15 mm: 26.5 x 19.8°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range:-20 to 650°C (-4 to +1,202°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of inputs (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Built-in EIS
Operating Temperature: -40 to 70°C (-40 to 158°F)
NEMA4X Anti-Corrosion Standard
IP67, IK10

DS-2TD2667T/P

Thermographic Network Bullet Camera

Thermal: 640 x 512, 17 µm, Optical: 2688 x 1520
Lens: 15 mm
FOV: 15 mm: 42.5 x 33.6°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of inputs (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP67, IK10

HM-TD2668T/G0/T1Y

Thermographic Network Bullet Camera

Thermal: 640 x 512, 12 µm, Optical: 2688 x 1520
Lens: 10 mm
FOV: 10 mm: 45.1 x 35.7°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 650°C (-4 to +1,202°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of inputs (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Built-in EIS and TPM2.0 Encryption Module
Operating Temperature: -40 to 70°C (-40 to 158°F)
NEMA4X Anti-Corrosion Standard
IP67, IK10

HM-TD2067T/X

Thermographic Network Automation Camera

Thermal: 640 x 512, 17 µm
Lens: 10 mm
FOV: 6 mm: 88.5 x 73.2°, 15 mm: 41.9 x 33.4°, 25 mm: 24.5 x 19.7°
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 1 ch. of input (0-3.3 VDC)
Alarm Output: 1 ch. of relay outputs, alarm response actions configurable
Operating Temperature: -20 to 50°C (-40 to 149°F)
IP40

DS-2TD2137T/QY

Thermographic Network Bullet Camera

Thermal: 384 x 288, 17 µm
Lens: 4 / 7 mm
FOV: 4 mm: 90 x 65.3°; 7 mm: 60 x 44.1°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°C)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of inputs (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
NEMA4X Anti-corrosion standard
IP67, IK10

DS-2TD2167T/P

Thermographic Network Bullet Camera

Thermal: 640 x 512, 17 µm
Lens: 7 mm
FOV: 7 mm: 88.5 x 73.2°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of inputs (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP67, IK10

HM-TD2168T/G0/T1Y

Thermographic Network Bullet Camera

Thermal: 640 x 512, 12 µm
Lens: 5 mm
FOV: 90 x 70.1°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range:-20 to 650°C (-4 to +1,202°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of inputs (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Built-in EIS and TPM2.0 Encryption Module
Operating Temperature: -40 to 70°C (-40 to 158°F)
NEMA4X Anti-Corrosion Standard
IP67, IK10

DS-2TD2637T/QY

Thermographic Network Bullet Camera

Thermal: 384 x 288, 17 µm, Optical: 2688 x 1520
FOV: 7 mm : 60 x 44.1°; 10 mm: 37.5 x 28.5°; 15 mm: 24.5 x 18.5°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of inputs (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
NEMA4X Anti-corrosion standard
IP67, IK10

DS-2TD4228T/S2

Network Bi-Spectrum Speed Dome

Thermal: 256 x 192, 12 µm, Optical: 2688 x 1520
Thermal (Lens): 7/10 mm; Optical: 4.8-153 mm, 32X FOV: 7 mm: 25 x 18.8° 10 mm: 18.1 x 13.6°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range:-20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: Up to 7 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Operating Temperature: -30 to 65°C (-22 to 149°F)
IP66

DS-2TD4137T/W(B)

Network Bi-Spectrum Speed Dome

Thermal: 384 x 288, 17 µm, Optical: 2688 x 1520
Thermal (Lens): 9 / 25mm; Optical: 6–240 mm
FOV: 9 mm: 37.9 x 28.7 °; 25 mm: 14.9 x 11.2 °, VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%) Alarm Input: Up to 7 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP66, Smart Wiper

HM-TD4137T/WY

Network Bi-Spectrum Speed Dome

Thermal: 384 x 288, 17 µm, Optical: 2688 x 1520
Thermal (Lens): 9 / 25 / 50 mm; Optical: 6–240 mm
FOV: 9 mm: 37.9 x 28.7 °; 25 mm: 14.9 x 11.2°, 50 mm: 7.5 x 5.6°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to +1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: Up to 7 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP66, smart Wiper, NEMA 4X Anti-Corrosion Housing

DS-2TD4167T/W(B)

Network Bi-Spectrum
Speed Dome

Thermal: 640 x 512, 17 µm, Optical: 2688 x 1520
Thermal (Lens): 9 / 25 mm; Optical: 6-240 mm
FOV: 9 mm: 72.0 x 56.1°; 25 mm: 24.5 x 19.7°; VCA: Line
crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range:-20 to 550°C (-4 to
+1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: Up to 7 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response
actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP66, Smart Wiper

HM-TD4167T/WY

Network Bi-Spectrum
Speed Dome

Thermal: 640 x 512, 17 µm, Optical: 2688 x 1520
Thermal (Lens): 9 / 25 mm; Optical: 6-240 mm
FOV: 9 mm: 72.0 x 56.1°; 25 mm: 24.5 x 19.7°;
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to
+1,022°F)
Temperature Accuracy: Max (±2°C, ±2%) Alarm Input: Up
to 7 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response
actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP66, Smart Wiper, NEMA 4X Anti-Corrosion Housing

HM-TD5528T/W

Network Bi-Spectrum
Mini PTZ Camera

Thermal: 256 x 192, 12 µm, Optical: 2688 x 1520
Thermal (Lens): 10 / 15 mm, Optical: 4MP, 4.8-153 mm
FOV: 10 mm: 17.5 x 13.1°; 15 mm: 11.7 x8.8°;
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to
+1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response
actions configurable
Operating Temperature: -40 to 70°C (-40 to 158°F)
IP67

HM-TD5537T/W

Network Bi-Spectrum
Mini PTZ Camera

Thermal: 384 x 288, 17 µm, Optical: 2688 x 1520
Thermal: 7 / 15 / 25 mm, Optical: 4MP, 4.8-153 mm
FOV: 7 mm: 54.8 x 42.5°; 15 mm: 24.55 x18.54°; 25 mm:
14.9 x 11.2°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550 °C (-4 to
+1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: 2 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response
actions configurable
Operating Temperature: -40 to 70 °C (-40 to 158°F)
IP67

DS-2TD8167/WY

Network Bi-Spectrum
Positioning System

Thermal : 640 × 512, 17 µm; Optical : 4: 2688 × 1520 2:
1920 × 1080
Thermal Lens: 150 / 190 / 230 mm
Optical Lens: C (6-336 mm) / E (10-780mm) / G (16.7-
1000 mm)
FOV: 150 mm: 4.15 × 3.32°; 190 mm: 3.46 × 2.77°; 230
mm: 2.83 × 2.27°
VCA: Line crossing / Intrusion / Region entrance /
Region exiting/ Temperature exception
Temperature Exception Range : -20 to 150°C (-4 to
+302°F)
Temperature Accuracy : ±8°C (±14.4°F)
Working Temperature : -40 to 65°C (-40 to 149°F)
Anti-Corrosion Coating (Y); Supplemental Light (L)
IP66

HM-TD8167/W

Network Bi-Spectrum
Positioning System

Thermal : 640 × 512, 17 µm; Optical : 4: 2688 × 1520; 2:
1920 × 1080
Thermal Lens: 100 / 150 / 190 / 230 mm
Thermal Lens: C (6-336 mm) / E (10-780 mm) / G (16.7-
1000 mm)
FOV: 100 mm: 6.2 × 5°; 150 mm: 4.15 × 3.32°; 190 mm:
3.46 × 2.77°; 230 mm: 2.83 × 2.27°
VCA: Line crossing / Intrusion / Region entrance /
Region exiting/ Temperature exception
Temperature Exception Range : -20 to 150°C (-4 to
+302°F)
Temperature Accuracy: ±8°C (±14.4°F)
Working Temperature: -40 to 65°C (-40 to 149°F)
Anti-Corrosion Coating (Y); Supplemental Light (L)
IP66

DS-2TD95C8/W

Network Bi-Spectrum
Sphere PTZ

Thermal : 1280 × 1024, 12 µm; Optical 4: 2688 × 1520 2:
1920 × 1080
Thermal Lens: 150 / 190 / 300 mm
Optical Lens: 2 MP, 10-1000 mm/4 MP, 10-800 mm
FOV:150 mm: 5.9 × 4.7°; 190 mm: 4.6 × 3.7°; 300 mm: 2.9
× 2.4°
VCA: Line crossing / Intrusion / Region entrance /
Region exiting / Ship detection
Fire detection distance up to 12.5 km
Smoke detection distance up to 16 km
Working Temperature : -40 to 70°C (-40 to 158°F)
IP67, NEMA 4X

HM-TD95C8/W

Network Bi-Spectrum
Sphere PTZ

Thermal: 1280 × 1024, 12 µm; Optical: 2688 × 1520
Thermal Lens: 150 / 190 / 300 mm
Optical Lens: 10-800 mm
FOV:150 mm: 5.9 × 4.7°; 190 mm: 4.6 × 3.7°; 300 mm: 2.9
× 2.4°
VCA: Line crossing / Intrusion / Region entrance /
Region exiting / Ship detection
Fire detection distance up to 12.5 km
Smoke detection distance up to 12 km
Working Temperature: -40 to 70°C (-40 to 158°F)
IP67, NEMA 4X

HM-TD5567T/W

Network Bi-Spectrum Mini
PTZ Camera

Thermal: 640 x 512, 17 µm, Optical: 2688 x 1520
Thermal: 7 / 15 / 25 mm; Optical: 4MP, 4.8-153 mm
FOV: 7 mm: 88.5 x 73.2 °; 15 mm: 41.7x 33.3 °; 25 mm:
24.9 x 20°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550 °C (-4 to
+1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: Up to 2 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response
actions configurable
Operating Temperature: -40 to 70°C (-40 to 158°F)
IP67

DS-2TD6237T/W

Network Bi-Spectrum
Positioning System

Thermal: 384 x 288, 17 µm, Optical: 2688 x 1520
Thermal: 25 / 50 mm; Optical: 4MP, 6-240 mm
FOV: 25 mm: 14.88 x 11.19°; 50mm: 7.47 x 5.61°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to
+1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: Up to 7 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response
actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP66

DS-2TD6267T/W

Network Bi-Spectrum
Positioning System

Thermal: 640 x 512, 17 µm, Optical: 2688 x 1520
Thermal: 25 / 50 mm; Optical: 4MP, 6-240 mm
FOV: 25 mm: 24.55 x 19.75°; 50mm: : 12.42 x 9.95°
VCA: Line crossing / Intrusion / Region entry & exit
Temperature Exception / Anomaly
Temperature Exception Range: -20 to 550°C (-4 to
+1,022°F)
Temperature Accuracy: Max (±2°C, ±2%)
Alarm Input: Up to 7 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response
actions configurable
Operating Temperature: -40 to 65°C (-40 to 149°F)
IP66

DS-2TD2528T/Q(C)

Thermography
Explosion-proof Bullet

Thermal : 256 × 192, 12 µm; Optical : 2688 × 1520
Thermal Lens : 3 / 7 / 10 mm; Optical Lens: 3.3 / 4 / 8 mm
FOV: 3 mm: / 7 mm: / 10 mm: 50.0° × 37.3°/ 24.9° × 18.7°
/18°× 13.5°
Temperature Exception Range : -20 to 650°C (-4 to
1,202°F)
Temperature Accuracy: Max (± 2°C, ± 2%)
Working Temperature: -40 to 60°C (-40 to 140°F), IP68
Standard, ATEX, IECEx
IP68, NEMA 4X

DS-2TD2537T/Q(C)

Thermography
Explosion-proof Bullet

Thermal : 384 × 288, 17 µm; Optical : 2688 × 1520
Thermal Lens: 4 / 10 / 15 mm; Optical Lens: 2 / 4 mm
FOV: 4 mm: / 10 mm: / 15 mm: 90.0 × 65.4° / 37.9 × 28.7°
/ 24.2 × 18.4°
Temperature Exception Range : -20 to 650°C (-4 to
1,202°F)
Temperature Accuracy: Max (± 2°C, ± 2%)
Working Temperature: -40 to 60°C (-40 to 140°F)
IP68 Standard, ATEX, IECEx

DS-2TD2568T/G0/T1Y

Thermography
Explosion-proof Bullet

Thermal: 640 × 512, 12 µm; Optical: 2688 × 1520
Thermal: 5/ 15 mm; Optical: 2.3 / 6.4 mm
FOV: 5 mm / 15 mm: 90.0 × 67.2° / 29.7 × 23.6°
Temperature Exception Range: -20 to 650°C (-4 to
1,202°F)
Temperature Accuracy: Max (± 2°C, ± 2%)
Working Temperature: -40 to 60°C (-40 to 140°F)
Built in EIS and TPM2.0 Encryption Module
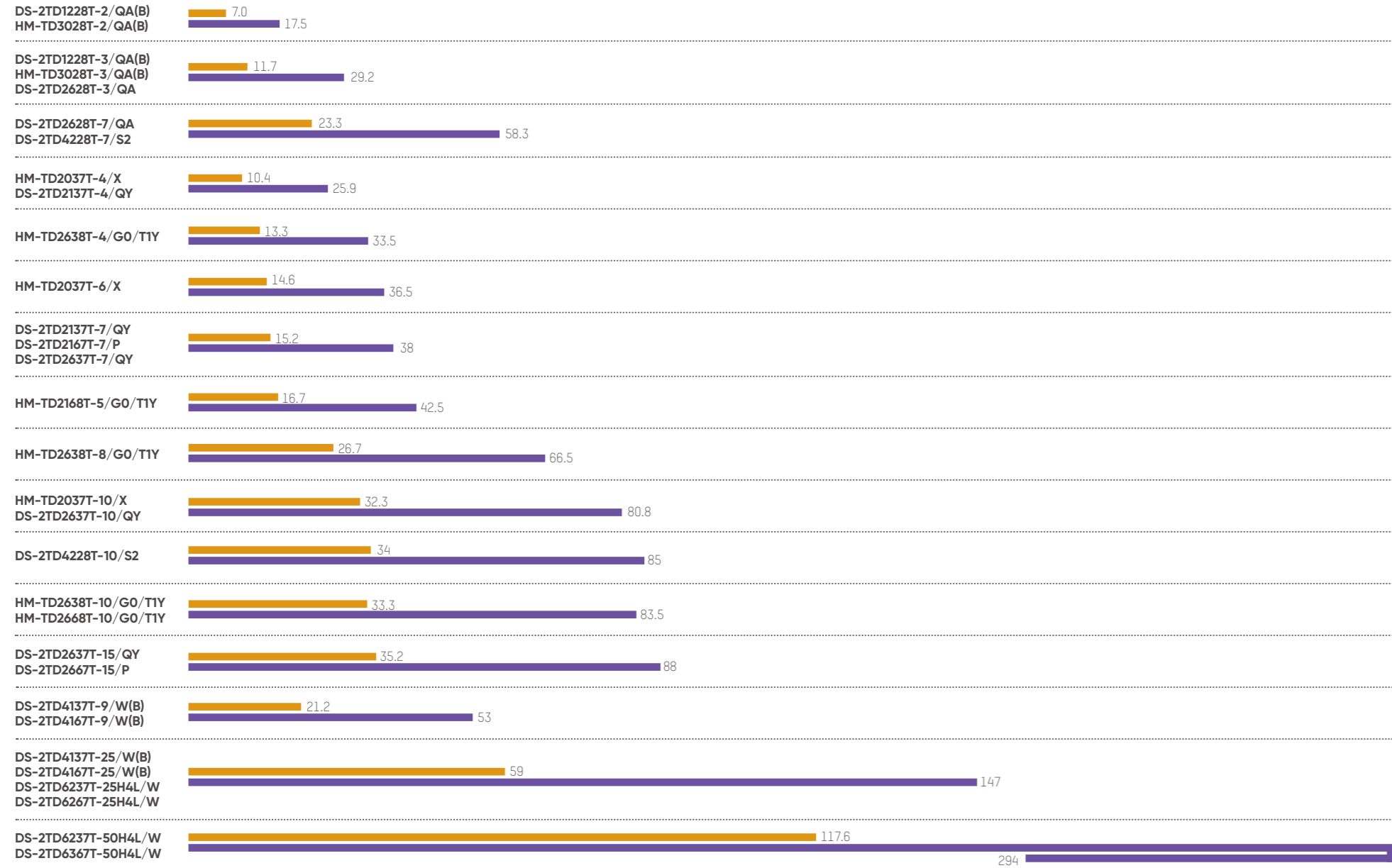IP68 Standard, ATEX, IECEx

DS-2TD6567T-H4LX/W

Thermography
Explosion-proof
Positioning System

Thermal : 640×512, 17 µm, Optical : 2688 × 1520
Lens (thermal): 25/ 50 mm
Lens (optical): 6-240mm, 40X
FOV: 25 mm: 24.9°×20°/ 50 mm: 12.4°×10° (H × V)
Temperature Exception Range: -20 to 550°C (-4 to
1,022°F)
Temperature Accuracy: Max (± 2°C, ± 2%)
Alarm Input: Up to 7 ch. of input (0-5 VDC)
Alarm Output: 2 ch. of relay outputs, alarm response
actions configurable
Working Temperature: -40 to 60°C (-40 to 140°F)
IP68 Standard, ATEX, IECEx

Effective Coverage
Small & Medium Area Fire Prevention

Temperature Measurement
(Object: 0.2 × 0.2 m)

Temperature Measurement
(Object: 0.5 × 0.5 m)

Model	Temp (0.2×0.2 m)	Temp (0.5×0.5 m)
DS-2TD1228T-2/QA(B) HM-TD3028T-2/QA(B)	7.0	17.5
DS-2TD1228T-3/QA(B) HM-TD3028T-3/QA(B) DS-2TD2628T-3/QA	11.7	29.2
DS-2TD2628T-7/QA DS-2TD4228T-7/S2	23.3	58.3
HM-TD2037T-4/X DS-2TD2137T-4/QY	10.4	25.9
HM-TD2638T-4/G0/T1Y	13.3	33.5
HM-TD2037T-6/X	14.6	36.5
DS-2TD2137T-7/QY DS-2TD2167T-7/P DS-2TD2637T-7/QY	15.2	38
HM-TD2168T-5/G0/T1Y	16.7	42.5
HM-TD2638T-8/G0/T1Y	26.7	66.5
HM-TD2037T-10/X DS-2TD2637T-10/QY	32.3	80.8
DS-2TD4228T-10/S2	34	85
HM-TD2638T-10/G0/T1Y HM-TD2668T-10/G0/T1Y	33.3	83.5
DS-2TD2637T-15/QY DS-2TD2667T-15/P	35.2	88
DS-2TD4137T-9/W(B) DS-2TD4167T-9/W(B)	21.2	53
DS-2TD4137T-25/W(B) DS-2TD4167T-25/W(B) DS-2TD6237T-25H4L/W DS-2TD6267T-25H4L/W	59	147
DS-2TD6237T-50H4L/W DS-2TD6367T-50H4L/W	117.6	294

Effective Coverage
Large Area Fire Prevention

Fire Detection
(Object: 1 × 1m)

Smoke Detection
(Object: 5× 5m)

Model	Fire Detection	Smoke Detection
DS-2TD6267-75C4L/W	2205m	6000m
DS-2TD6267-100C4L/W HM-TD8167-100C4F/WY	2940m	6000m
DS-2TD8167-150ZC4F/W HM-TD8167-150ZC4F/WY	5586m	6000m
DS-2TD8167-190ZE2F/W HM-TD8167-190ZE2F/WY(B)	5586m	12000m
DS-2TD8167-230ZG2FL/W HM-TD8167-230ZK4F/WY	6765m	16000m
DS-2TD95C8-150ZE4FL/W HM-TD95C8-150ZE4FL/W	6250m	12000m
DS-2TD95C8-190ZK2FL/W HM-TD95C8-190ZK4FL/W	7950m	16000m
DS-2TD95C8-300ZK2FL/W HM-TD95C8-300ZK4FL/W	12500m	16000m

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