

Q170

4MP Overheating Detection Thermal Cube with D/N, Basic WDR, Fixed Lens



- Overheating Detection
- 4 Megapixel
- Day & Night
- H.265 Compression
- Wide Angle

► Specifications

Device

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|--------------------------|---|
| Product Type | Thermal Cube |
| Maximum Resolution | 4MP |
| Product Application | Overheating Detection |
| Application Environment | Outdoor |
| Image Sensor | Progressive Scan CMOS + Thermal sensor |
| Sensor Size | Optical: 1/5 " |
| Effective Pixels | Thermal: 256(H) X 192(V) Optical: 2688(H) X 1520(V) |
| Pixel Interval | 12 μm |
| Spectral Range | 8-14 μm |
| Thermal Sensitivity | NETD <40mK at F1.0 |
| Spatial Resolution | 5.71 mrad |
| Day / Night | Yes |
| Low Light Sensitivity | Standard |
| Minimum Illumination | Color: 0.06 lux at F2.2 (AGC on); B/W: 0 lux (Light on) |
| Mechanical IR Cut Filter | Yes |

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| IR LED | No |
| S/N Ratio | 75 dB |

Live View

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| Digital Zoom | Yes |
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Lens

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| Number of Lenses | 2 Lenses |
| Focal Length | (Thermal camera) Fixed focal, f2.1mm (Visual camera) Fixed focal, f1.4mm |
| Aperture | (Thermal camera) F1.0 (Visual camera) F2.2 |
| Horizontal Viewing Angle | (Thermal camera) 90° (Visual camera) 96.9° |
| Vertical Viewing Angle | (Thermal camera) 64.2° (Visual camera) 77.2° |

Video

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|-----------------------------------|---|
| Compression | H.265, H.264, MJPEG |
| Maximum Frame Rate vs. Resolution | (Visual camera) 25 fps at 2688 x 1520 25 fps at 704 x 576 (Thermal camera) 25 fps at 1280 x 960 25 fps at 704 x 576 |
| Multi-Streaming | Simultaneous dual streams |
| Wide Dynamic Range | Basic WDR |
| Image Enhancement | Brightness, Contrast |
| Digital Noise Reduction | 3D DNR |
| Built-in Analytics | Tampering Detection |

Network

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| Ethernet Port | 1 x Ethernet (10/100/1000 Base-T), RJ-45 connector |
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Temperature Measurement

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| Temperature Range | -20°C ~ 150°C (-4°F ~ 302°F), 0°C ~ 550°C (32°F ~ 1022°F) |
| Temperature Accuracy | ±2°C, ±2% |

Detection Range

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| Triggering Temperature Notification | (Object 0.2x0.2m) 7m (Object 0.5x0.5m) 17.5m |
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Interface

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| Serial Port | 1 x RS-485 |
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General

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| Power Source | DC 12V, PoE Class 2 (IEEE802.3af) |
| Power Consumption | 5 W (DC) |
| Weight | 300g (0.66lb) |
| Dimensions | (W x H x D): 56mm x 38.9mm x 111.2mm (2.20" x 1.53" x 4.38") |
| Environmental Casing | Weatherproof (IP67) |
| Operating Temperature | -20°C ~ 60°C (-4°F ~ 140°F) |
| Operating Humidity | ≤95% RH, non-condensing |

Real-time Clock (RTC)

| Yes

