Tiandy

# TC-C35LQ Spec:I5W/E/Y/T/4mm/V4.2

5MP Fixed Thermal Bullet Camera

Pro Series




## KEY FEATURES

- Metal+plastic housing
- Up to Optical: 2880×1620@30fps Thermal: 1280×720@25fps
- S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG
- Color:0.002Lux@(F1.6,AGC ON),B/W:0Lux with IR
- IR range up to 50m
- 1×Built-in Mic, 1×Built-in Loudspeaker
- Support microSD/microSDHC/microSDXC card,up to 512GB
- Support smart surveillance
- Support human/vehicle classification
- Operating conditions -40°C~65°C(-40°F~149°F), ⩽95%RH
- DC12V±25%,Max. 9W; PoE:IEEE 802.3at,Max. 10W
- IP67

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## SPECIFICATIONS

| | |
|---|---|
| **Thermal** | |
| Image Sensor | Vanadium Oxide Uncooled Focal Plane Arrays |
| Resolution | 256 × 192 |
| Pixel Pitch | 12μm |
| Spectral Range | 8μm to 14μm |
| Focal Length | 6.8mm |
| NETD | ≤55 mK(@25°C, F1.1) |
| Aperture | F1.1 |
| Field of View | Horizontal FOV:26°, Vertical FOV:20° |
| **Camera** | |
| Image Sensor | 1/2.7"CMOS |
| Min. Illumination | Color:0.002Lux@(F1.6,AGC ON),B/W:0Lux with IR |
| Shutter Time | 1s~1/100000s |
| Day&Night | IR-cut filter with auto switch (ICR) |
| Smart IR | Yes |
| WDR | 120dB |
| S/N | >39dB |
| Angle Adjustment | 0~360°(P); 0~90°(T); 0~360°(R) |
| **Lens** | |
| Lens Type | Fixed focal lens |
| Focal Length | Thermal:3mm;Optical:4mm |
| Lens Mount | M12 |
| Aperture Range | Thermal:F1.1;Optical:F1.6 |
| Aperture Type | Fixed |
| Field of View | Thermal:56°(H);Optical:88.7°(H); Thermal:42°(V);Optical:46.8°(V); Thermal:70°(D);Optical:100.3°(D) |
| DORI Distance | Detect:80m<br>Observe:31.5m<br>Recognize:16m<br>Identify:8m |
| **Illuminator** | |
| IR LEDs | 2 |
| IR Distance | Up to 50m |
| Wavelength | 850nm |
| White LEDs | 2 |
| Whitelight Distance | 15m |
| **Compression Standard** | |
| Video Compression | S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG |
| Video Bit Rate | 32k~16Mbps |
| Audio Compression | G.711A/G.711U/ADPCM_D/AAC_LC |
| Audio Sampling Rate | 8kHz/32kHz/48kHz |

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| Image | |
|---|---|
| Max. Resolution | Optical:<br>2880×1620@30fps<br>Thermal:<br>1280×720@25fps |
| Main Stream | Optical:<br>PAL:25fps(2880×1620, 2688×1520, 2560×1440, 2304×1296)<br>NTSC:30fps(2880×1620, 2688×1520, 2560×1440, 2304×1296)<br>Thermal:<br>PAL:25fps(1280×720, 704×576, 640×480, 352×288)<br>NTSC:25fps(1280×720, 704×480, 640×480, 352×240) |
| Sub Stream | Optical:<br>PAL:25fps(704×576, 704×288, 640×360, 352×288)<br>NTSC:30fps(704×480, 704×240, 640×360, 352×240)<br>Thermal:<br>PAL:25fps(704×576, 640×480, 352×288)<br>PAL:25fps(704×480, 640×480, 352×240) |
| BLC | Yes |
| HLC | Yes |
| AGC | Yes |
| 3D DNR | Yes |
| White Balance | Auto/Semi-Auto/Manual/Sunshine/Nature Light/Warmlight Lamp/Daylight Lamp/Filament Lamp/Lock White Balance |
| ROI | 8 rectangular static areas |
| OSD | Optical:<br>Overlay of additional characters in 5 regions, 2 lines, with a maximum of 127 characters or 42 Chinese characters per region<br>Thermal:<br>Overlay of additional characters in 1 area, 2 lines, with a maximum of 127 characters or 42 Chinese characters per area; 16*16/32*32/48*48/64*64/96*96; Vector/Lattice |
| Picture Overlay | 1*200x200 size BMP 24 color bit image overlay |
| Privacy Mask | 4 black static areas |
| Defog | Yes |
| **Feature** | |
| General Alarm | Motion Detection; Mask Alarm; Alarm Input |
| Exceptions Alarm | Voltage Alarm; Disk Full; Disk R/W Error; IP Address Conflict; MAC Address Conflict; FTP Server Exception ; Network Disconnection |
| Linkage Method | Send Email; Trigger Sound; Trigger Warmlight; Trigger Recording; Trigger Capture; Notify Surveillance Center; Alarm Output |
| Video Analytics | Human/Vehicle Classification; Tripwire; Double Tripwire; Perimeter; Video Abnormal; Audio Abnormal |
| Rules of Behavior Analyse In 1 Scene | 8 |

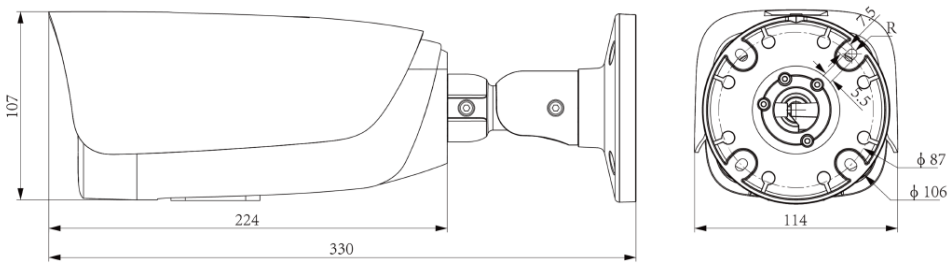
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| Network | |
|---|---|
| ANR | Yes |
| Protocols | RTSP; RTMP; HTTP; HTTPS; TCP; UDP; UPnP; ICMP; IGMP; SNMP v1\v2\v3; DHCP; DNS; DDNS; Easy DDNS; NTP; SMTP; TLS v1.2; SSL; 802.1X; QoS; IPv4; IPv6; PPPoE; SSH; Unicast; Multicast; RTCP; ARP; SRTP; FTP; SFTP |
| System Compatibility | ONVIF(Profile S/T/G/M) ; SDK; CGI; Milestone |
| Remote Connection | ⩽7 |
| Client | Easy7 VMS |
| Moblie Client | EasyLive Plus |
| Web | IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+ |
| **Interface** | |
| Communication Interface | 1×RJ-45 (10/100 Base-T) |
| Audio I/O | 1×input, two-core , max. input amplitude:3.3 Vpp, input impedance:1 KΩ, interface type:non-equilibrium; 1×output, two-core, max. output amplitude:3.3 Vpp, output impedance:100 Ω, interface type: non-equilibrium |
| Alarm I/O | 2×input,TTL,3mA,3.3VDC; 1×output,relay,1A,24VDC |
| Built-in Mic | 1×Built-in Mic |
| Built-in Speaker | 1×Built-in Loudspeaker |
| Reset Button | Yes |
| On-board Storage | Support microSD/microSDHC/microSDXC card,up to 512GB |
| RTC | Yes |
| Additional Interfaces | RS-485 |
| **General** | |
| Fire Detection | Yes |
| Smoking Detection | Yes |
| Cold/Hot Spot Trace | Yes |
| Thermal Video Analytics | Tripwire;Perimeter;Human & Vehicle Classification |
| Temperature Measurement | 3 temperature measurement rule types(points, areas, line), max 12 rules in total |
| Temperature Range | -15°C to 550°C (5°F to 1022°F);2 temperature ranges |
| Temperature Accuracy | Max (±2°C, ±2 %) |
| Temperature Range | 10 types |

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| General | |
|---|---|
| Web Client Language | 19 languages<br>Simple Chinese/Traditional Chinese/English/Spanish/Korean/Italian/Turkish/Russian/Thai/French/<br>Polish/Dutch/Hebrew/Arabic/Vietnamese/German/Ukrainian/Portuguese/Albanian |
| Operating Temperature | -40°C~65°C(-40°F~149°F) |
| Operating Humidity | ⩽95%RH |
| Storage Temperature | -40°C~65°C(-40°F~149°F) |
| Storage Humidity | 10%~95%RH(non-condensing) |
| Power Supply | DC12V±25%,Max. 9W; PoE:IEEE 802.3at,Max. 10W |
| Protection | Surge4000V; ESD6000V; IP67 |
| Boundary Dimensions | 330(L)114(W)107(H)mm |
| Package Dimensions | 360(L)150(W)170(H)mm |
| GrossWeight | 1.85kg |

## DIMENSIONS (Unit: mm)




## Assembly diagram of Junction Box



A22



A35_V5.0



A36_V5.0