

TR-ICB-04G2HISZ

4 MP DarkFighter Varifocal Bullet Network Camera



Key Features

- High quality imaging with 4 MP resolution
- Excellent low-light performance with DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 140 dB WDR technology
- Focus on human and vehicle targets classification based on deep learning
- Motorized varifocal lens for easy installation and monitoring
- Audio and alarm interface available
- Water and dust resistant (IP67) and vandal -resistant (IK10)

Empowered by deep learning algorithms, Translogi AcuSense technology brings human and vehicle targets classification

alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

Translogi has been dedicated to develop products with security since established.

Translogi always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection.

In the meantime, the security technologies used by Translogi are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

Specifications

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.0014 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°

Lens

Lens Type	Varifocal lens, motor-driven lens, 2.8 to 12 mm and 8 to 32 mm optional
Focal Length & FOV	2.8 to 12 mm: horizontal FOV 107° to 40°, vertical FOV 56° to 22°, diagonal FOV 130° to 46° 8 to 32 mm: horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°
Lens Mount	Integrated
Focus	Auto, Semi-auto, Manual
Iris Type	P-iris
Aperture	2.8 to 12 mm: F1.4 8 to 32 mm: F1.6

DORI

DORI	2.8 to 12 mm: D: 61 m to 151 m, O: 24 m to 60 m, R: 12 m to 30 m, I: 6 m to 15 m 8 to 32 mm: D: 150 m to 400 m, O: 59 m to 158 m, R: 30 m to 80 m, I: 15 m to 40 m
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Illuminator

Supplement Light Type	IR
Supplement Light Range	2.8 to 12 mm: up to 60 m 8 to 32 mm: up to 80 m
Smart Supplement Light	Yes
IR Wavelength	850 nm

Video

Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Fourth Stream	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 Fourth stream: H.265/H.264/MJPEG *Third stream and fourth stream are supported under certain settings.
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	5 fixed regions for main stream and sub-stream
Target Cropping	Yes

Audio

Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes

Network

Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE

Network Storage	and digest authentication for Open Network Video Interface NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Translogi memory card, memory card encryption and health detection are supported.
Client	Vision Smart Platform (VSP)
Web Browser	Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+

Image

Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	140 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	4 programmable polygon privacy masks

Interface

Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Audio	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 2.2 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	3 inputs, 3 outputs (max. 24 VDC/24 VAC, 1 A)
RS-485	1 RS-485 (half duplex, Translogi, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Power Output	12 VDC, max. 100 mA

Event

Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	Unattended baggage detection, object removal detection, scene change detection, audio exception detection
Linkage	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, audible warning

Deep Learning Function

Face Capture	Yes
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)

General

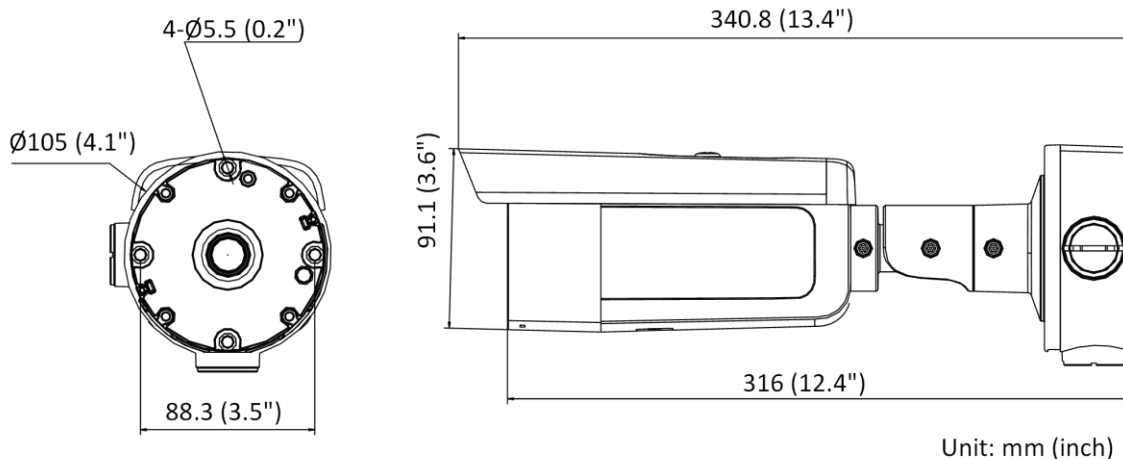
Power	12 VDC ± 25%, 1.20A, max. 14.5 W, two-core terminal block 24 VAC ± 20%, 1.03A, 50/60Hz, max. 14.5 W, two-core terminal block PoE: IEEE 802.3at, Class 4, 42.5 V to 57 V, 0.40 A to 0.30
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Material	A, max. 17 W Aluminum alloy body
Dimension	Ø105 mm × 340.8 mm (Ø4.13" × 13.42")
Package Dimension	385 mm × 190 mm × 180 mm (15.16" × 7.48" × 7.09")
Weight	Approx. 1330 g (2.93 lb.)
With Package Weight	Approx. 2231 g (4.92 lb.)
Storage Conditions	-40 °C to 60 °C (-40 °F to 140 °F), humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F), humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat, anti-banding, mirror, flash log, password reset via email, pixel counter
Heater	Yes

Approval

EMC	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529:2013), IK10 (IEC 62262:2002)

Dimension



Accessory

■ Included



■ Installation method

Junction Box	Vertical Pole Mounting	Vertical Pole Mounting	Corner Mounting
