

iDS-TCD403-BI 4 MP IR Traffic Flow Camera



- Applicable to signal control system, traffic information service system, road traffic surveillance, etc.
- High quality imaging with 4 MP resolution (1/1.8" CMOS)
- Multiple targets visualization in bi-directional 6 lanes with vertical coverage.
- Information detection of multiple targets lane, speed, direction, etc.
- Multiple traffic data collection: statistics and uploading of different lanes, including data of traffic flow, speed, status, queue, time headway, space headway, number of parking vehicle in area, space occupancy, time occupancy, etc. in 1 to 3,600 s.
- Traffic evaluation data output, including queue length.
- Two virtual coils for each lane. Signal output of vehicle entering and exiting virtual coils. Positions of virtual coils are adjustable.
- Water and dust resistant (IP67) and vandal-resistant (IK10)

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/25 s to 1/100000 s
Lens	
Focal Length & FOV	8-32 mm; Horizontal FOV: 39.7° to 15.9°; Vertical FOV: 22.3° to 9.1°; Diagonal FOV: 45.8° to 18.1°
Focus	Auto
Iris Type	Auto-iris: DC drive
Aperture	F1.7
Illuminator	
Built-in Supplement Light Type	IR light
Light Bead	3
Built-in Supplement Light Range	up to 50 m
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 30 fps (2588 × 1520, 1920 × 1080, 1280 × 720, 704 × 576, 352 × 288) 60 Hz: 25 fps (2588 × 1520, 1920 × 1080, 1280 × 720, 704 × 576, 352 × 288)
Sub-Stream	50 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 576, 352 × 288) 60 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 352 × 288)
Third Stream	50 Hz: 30 fps (1280 × 720, 704 × 576, 352 × 288) 60 Hz: 25 fps (1280 × 720, 704 × 576, 352 × 288)
Video Compression	H.264 and H.265 encoding Main stream: H.265/H.264/MJPEG Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Audio	
Audio Compression	G.711, G.722.1
Audio Bit Rate	8 Kbps (G.711), 16 Kbps (G.722.1)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DNS, DDNS, RTSP, NTP, SNMP, IGMP, 802.1X, IPv4/IPv6, UDP, ISUP, ARP, DHCP, RTP, RTCP, QoS, SSL/TLS
Simultaneous Live View	Up to 6 channels
API	ISAPI, SDK, ISUP, ONVIF (PROFILE S, PROFILE G, PROFILE T)
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user

Security	Password protection,HTTPS encryption,Complicated password,802.1X authentication (EAP-MD5),Watermark,IP address filter,WSSE and digest authentication for ONVIF,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,Security audit log,Host authentication (MAC address),TLS 1.2 1.3
Network Storage	Micro SD/TF card (512 GB), local storage and CVR, NVR, ANPR
Client	Hik-Central Master,HikCentral Master Lite
Web Browser	Chrome V61+, IE9 to IE11, Firefox V41+, Edge
Image	
Image Settings	Saturatio,Brightness,Contrast,Sharpness,Gain,White balance,AGC,Adjustable by client software or web browser.
Day/Night Switch	Auto/Scheduled/Triggered by alarm in
Wide Dynamic Range (WDR)	140 dB
Image Enhancement	BLC, 3D DNR
Interface	
Ethernet Interface	1 RJ45 10/100/1000 M self-adaptive Ethernet port(s)
On-Board Storage	Built-in memory card slot,supporting microSD/SDHC/SDXC card,up to 512 GB
Audio	Supported
Alarm	1 input, 1 output, 2 relays
RS-485	1 RS-485
Wiegand	1 Wiegand (CardID 26bit, SHA-1 26bit, Hik 34bit)
Event	
Basic Event	HDD error,Network disconnected,IP address conflict
Road Traffic and Vehicle Detection	
Coverage	Up to 6 lane(s)
Smart Function	Traffic flow detection : vehicle type, lane flow, lane speed, space headway, time headway, lane time occupancy rate, lane space occupancy rate, queuing length, and traffic status
General	
Power	DC 12 V to 24 V, 1.25 A, max. 15 W, Two-core terminal block, PoE: 802.3at, Type 2, Class 4, max. 15 W
Material	Aluminum alloy
Dimension	428.5 mm × 120 mm × 132.8 mm (16.9" × 4.7" × 5.2") (L × W × H)
Package Dimension	595 mm × 259 mm × 193 mm (23.4" × 10.2" × 7.6") (L × W × H)
Weight	Approx. 3.0 kg (6.6 lb.)
With Package Weight	Approx. 4.4 kg (9.7 lb.)
Operating Condition	-30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
Storage Condition	-30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
General Function	One-key reset, three streams, heartbeat, password protection, watermark
Language	8 languages: English, Thai, Croatian, Korean, Russian, Traditional Chinese, Ukrainian, Spanish
Approval	
EMC	CE-EMC: EN 55032: 2015/A11:2020+A1:2020, EN IEC61000-3-2: 2019/A1:2021, EN 61000-3-3: 2013+A1:2019/A2:2021, EN 50130-4: 2011 +A1: 2014
Safety	CB: IEC 62368-1: 2014,CB: IEC 62368-1: 2018,CE-LVD: EN 62368-1: 2014+A11: 2017
Environment	CE-RoHS: 2011/65/EU,WEEE: 2012/19/EU,Reach: Regulation (EC) No 1907/2006
Protection	IK10: IEC 62262:2002,IP67: IEC 60529-2013

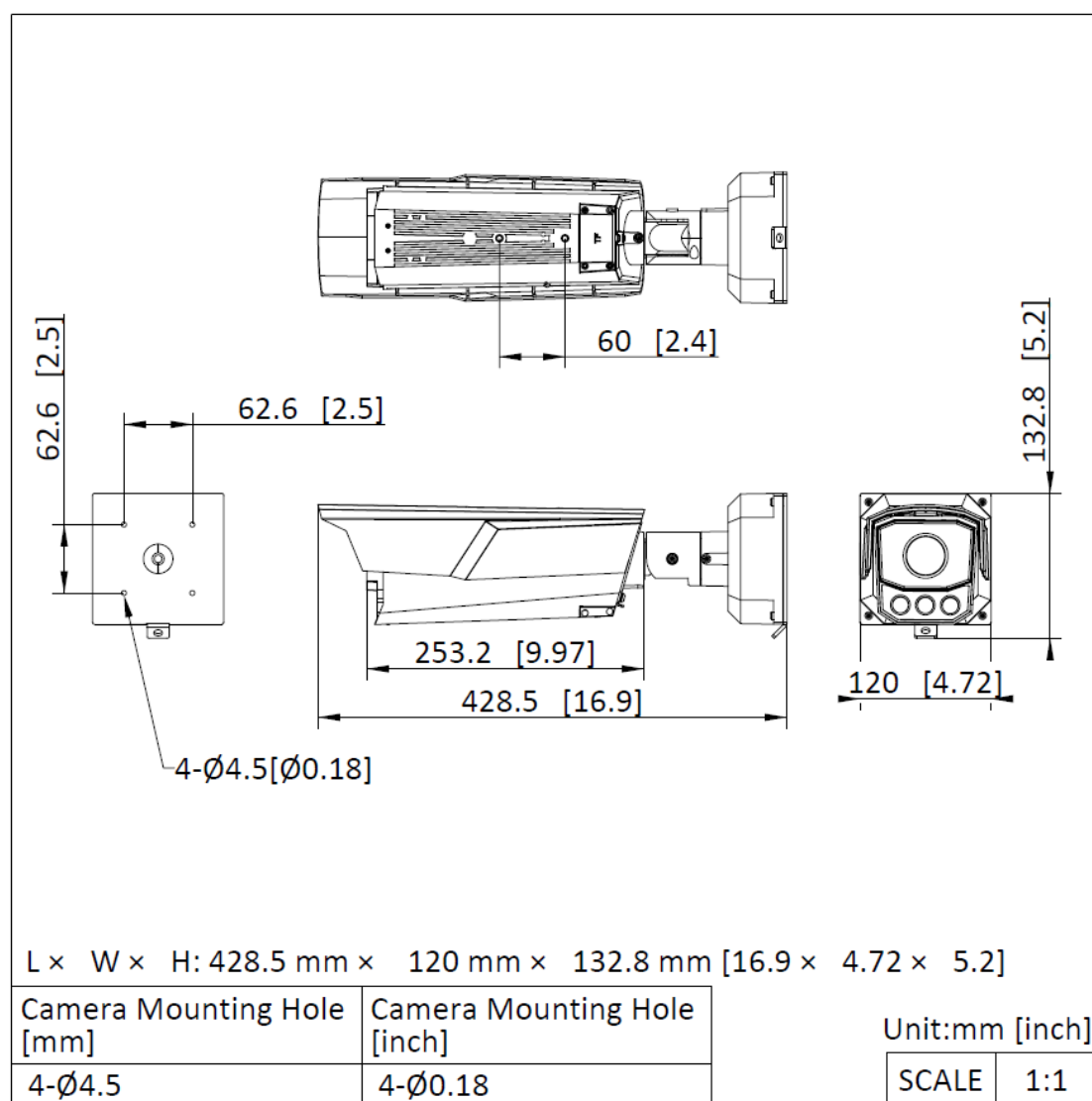
▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

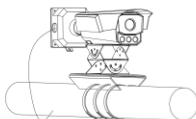
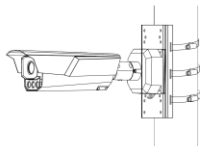
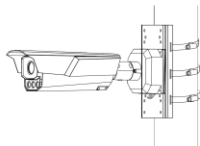
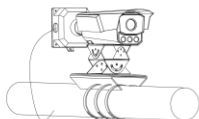
▪ Dimension



- Accessory
- Optional

DS-1232ZJ-T/BJH	DS-1275ZJ-BJH/127mm	DS-1275ZJ-BJH/600mm	DS-1278ZJ-BJH
			

▪ Installation Methods

Cardan Joint DS-1232ZJ-T/BJH	Vertical Pole Mounting DS-1275ZJ-BJH/127mm	Vertical Pole Mounting DS-1275ZJ-BJH/600mm	Horizontal Pole Mounting DS-1278ZJ-BJH+DS-1232ZJ-T/BJH
			

See Far, Go Further



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