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iDS-TCD403-BI
Video Vehicle Detector

- 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, direction, etc.
- Multiple traffic data collection: statistics and uploading of different lanes, including data of traffic flow, 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.
- Defog, HLC, WDR, and multiple white balance modes, satisfying various scenes.
- Network and RS-485 data uploading.
- 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: 0.001 Lux @ (F1.2, AGC ON), 0.0005 Lux with IR
Shutter Time	1/25 s to 1/100,000 s
Slow Shutter	Supported
Day & Night	IR cut filter

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	DC drive
Aperture	F1.63-1.8

Illuminator	
Built-in Supplement Light Range	Up to 100 m
IR Wavelength	850 nm

Video	
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720, 704 × 576, 352 × 288) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720, 704 × 576, 352 × 288)
Sub Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 576, 352 × 288)
Third Stream	50 Hz: 25 fps (1280 × 720, 704 × 576, 352 × 288) 60 Hz: 30 fps (1280 × 720, 704 × 480, 640 × 480)
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	Baseline profile/Main profile/High profile

Audio	
Audio Compression	G.711/G.722.1
Audio Bit Rate	8 Kbps (G.711) /16 Kbps (G.722.1)

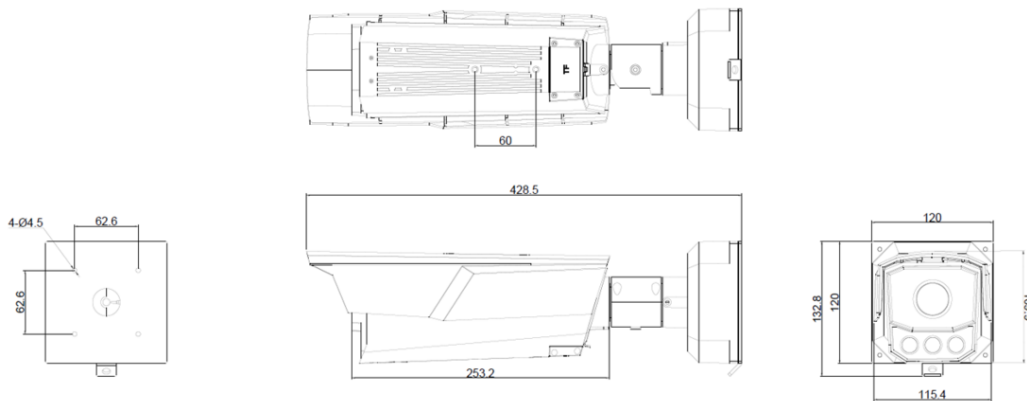| Network	
Protocols	TCP/IP, HTTP, HTTPS, FTP, DNS, RTP, RTSP, RTCP, NTP, IPv6, UDP
Simultaneous Live View	Up to 6 channels
API	ONVIF (Version 2.1, PROFILE S, PROFILE G), ISAPI, SDK
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, HTTPS encryption, digest authentication for HTTP/HTTPS, digest authentication for ONVIF (Version 2.1)
Network Storage	Micro SD/TF card (128 GB), local storage and CVR, NVR, ANPR

Client	HCM, HCM LITE, HikCentral Master
Web Browser	IE7+
Image	
Image Settings	Rotation mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable via client software or web browser.
Day/Night Switch	Auto/Scheduled/Triggered by alarm in
Wide Dynamic Range (WDR)	140 dB
Image Enhancement	BLC, HLC, 3D DNR
Interface	
Video Output	Network
Ethernet Interface	1 RJ45 10M/100M/1000M Ethernet interface 1 RS-485 interfaces 1 Wiegand interface
On-board Storage	Built-in microSD/TF card, up to 128 GB
Audio	Supported
Alarm	1 input interfaces, 1 output interfaces,2relays
Reset Key	Supported
Road Traffic and Vehicle Detection	
Smart Function	Vehicle counting, traffic monitoring, traffic status release
Accuracy (Under recommended installation and lighting conditions)	Vehicle counting accuracy > 95%
General	
Firmware Version	V4.5.0
Operating System	Linux
Power	12 VDC to 24 VDC ± 20%, PoE (802.3at, class 4), Max. 12 W
Material	Aluminum alloy
Dimension	With package: 428.5 × 120 × 132.8 mm
Weight	Camera: approx. 3.12 ± 0.5 kg (6.88 ± 1.1 lb)
Operating Condition	Temperature: -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
Approval	
EMC	CE, FCC, RoHS
Protection	IP67, IK10

▪ Available Model

iDS-TCD403-BI/0832

Please decide whether to use anti-corrosion devices or matched hoops and brackets according to the actual working environment.

▪**Dimension**

Unit: mm

▪ **Accessory**

▪**Optional**

DS-1275ZJ-BJH/600mm Traffic Video Unit - Steel Hoop - Vertical Pole Mounting Bracket (600 mm)	DS-1275ZJ-BJH/140mm Traffic Video Unit - Steel Hoop - Vertical Pole Mounting Bracket (140 mm)
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