

iDS-TCM403-BI/S/0832**4 MP Traffic Incident Detection Camera**

- High performance ANPR bullet camera.
- High quality imaging with 4 MP resolution (1/1.8" CMOS).
- Clear imaging against strong back light due to 140 dB WDR technology.
- Excellent low-light performance with Dark Fighter technology.
- Motorized vari-focal lens for easy installation and monitoring.
- Efficient H.265 compression technology.
- Smart functions: supports license plate recognition (LPR), vehicle type, color, and manufacturer recognition, no-plate vehicle capture, driving direction detection, and motorcycle capture.
- Traffic flow detection: lane flow, lane speed, queuing length, and traffic status.
- Incident detection: lane change, wrong-way driving, stopped vehicle, congestion, speeding/low-speed driving.
- Scenarios: tunnel, urban road.
- 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)
Shutter Time	1/25 s to 1/100,000 s
Slow Shutter	Supported
Day & Night	IR cut filter
Lens	
Focal Length & FOV	8 mm to 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 to F1.8
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, PROFILE T), 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	iVMS-8600, Hik-Central
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, 3D DNR
Picture Overlay	Logo picture can be overlaid on video with 128 × 128 in 24-bit bmp format
Interface	
Video Output	Network
Ethernet Interface	1 RJ45 10M/100M/1000M Ethernet interface
On-board Storage	Built-in memory card slot, support micro TF card, up to 128 GB.
Audio	Supported
Alarm	1 input interface, 1 output interface, 2 relays
RS-485	1 RS-485 interface
Reset Key	Supported
Wiegand	1 Wiegand interface
Event	
Basic Event	HDD Error, Network Disconnected, IP Address Conflicted, Vehicle Detector Exception, Traffic Light Detector Exception
Road Traffic and Vehicle Detection	
Smart Function	License plate recognition Lane flow, lane speed, queuing length, and traffic status Lane change, wrong-way driving, stopped vehicle, congestion, speeding/low-speed driving

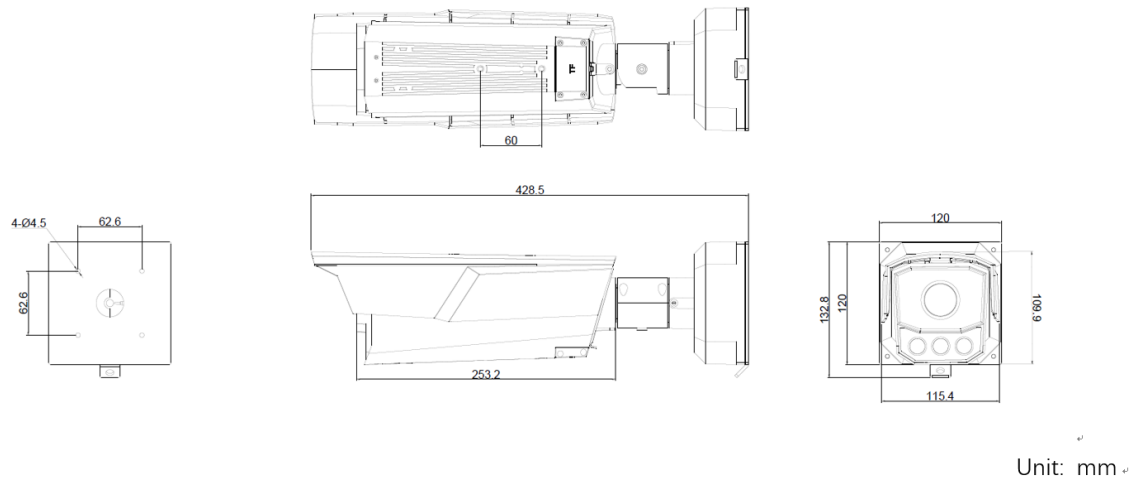
LPR Countries/Regions	Middle East: The United Arab Emirates (Abu Dhabi, Ajman, Dubai, Fujairah, Ras Al Khaimah, Sharjah and Umm Al Quwain), Qatar, Iran, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia, Pakistan, Oman, Lebanon, Bahrain Africa: Nigeria, Kenya, Ivory Coast, South Africa, Tanzania, Mauritius, Morocco, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Senegal, Algeria Asia-Pacific: Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, the Philippines, Hong Kong, Macao, Taiwan, Burma, India, Mongolia, Cambodia, Laos, Bangladesh America: The United States of America, Canada, Argentina, Chile, Paraguay, Uruguay, El Salvador, Bolivia, Colombia, Brazil, Ecuador, Peru, Mexico, Panama, Costa Rica, Trinidad and Tobago, the Dominican Republic, Guatemala Europe: Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, the Republic of North Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, the UK, Ireland, Germany, Italy, Austria, Israel, Palestinian State, Belgium, Luxembourg, Albania, Kosovo Russian-Speaking Regions: Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russia, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia
Accuracy (Under recommended installation and lighting conditions)	Capture rate > 99% Driving direction recognition accuracy > 98.5% LPR accuracy > 98% Mistaken capture rate < 2% European and Russian-Speaking Regions: LPR accuracy > 98% Country/Region recognition accuracy > 95%
No License Plate Detection	Supported
Motorcycle LPR	Supported
Vehicle Type	Car/Van/Bus/Truck/Light Truck/SUV_MPV/Pickup/Pedestrian/Motorcycle/Tricycle
Vehicle Color	Red, yellow, green, blue, pink, purple, cyan, brown, white, grey, black Recognizable at daytime only.
Vehicle Manufacturer	84 manufacturers: Hyundai, Toyota, KIA, Honda, Volkswagen, Benz, Nissan, Ford, Isuzu, BMW, Chevrolet, Mitsubishi, Renault, Opel, Suzuki, Skoda, Daewoo, Audi, Mazda, GAC HINO, Peugeot, SsangYong, Citroen, Fiat, Scania, MAN, Volvo, Lexus, Seat, Land Rover, Daihatsu, Dongwo, Subaru, Iveco, MINI, JEEP, Porsche, Chery, Dodge, Chrysler, Acura, Alfa Romeo, Great Wall, Infiniti, Smart, Saic Maxus, JAC, Jaguar, GMC, Lincoln, JMC, SAAB, FAW, Yutong, Guangzhou Yunbao, Joylong, Geely, Cadillac, JBC, An'kai, Haima, Foton, King Long, Dongfeng, Geely-Emgrand, Perodua, UD, BYD, Renault Samsung, Proton, HICOM, Malaysia_Unknown 1, Hyundai-Rohens, SsangYong-Old Version, Equus-Old Version, CNHTC, Rolls-Royce, Beiben Truck, Haval, Hino, Kia-Borrego, Chang'an, Alfa, FORO
Capture Speed Range	5 km/h to 120 km/h

General	
Firmware Version	V5.1.4
Operating System	Linux
Power	DC 12 V to DC 24 V $\pm 20\%$, PoE (802.3at, class 4) Max. 12 W
Material	Aluminum alloy
Dimension	With package: 428.5 mm $\times$ 120 mm $\times$ 132.8 mm
Weight	Camera: Approx. 3.12 $\pm$ 0.5 kg (6.88 $\pm$ 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
Environment	RoHS
Protection	IP67, IK10

▪ Available Model

iDS-TCM403-BI/S/0832

▪ Dimension



▪ Accessory

▪ Optional

DS-1275ZJ-BJH/60 0mm Traffic Video Unit - Steel Hoop - Vertical Pole Mounting Bracket (600 mm)	DS-1275ZJ-BJH/14 0mm Traffic Video Unit - Steel Hoop - Vertical Pole Mounting Bracket (140 mm)
	

Headquarters
No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
www.hikvision.com

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