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HIKVISION ANPR Smart Surveillance Camera



Specifications

Camera	iDS-TCM203-A/0832	iDS-TCM203-A/5313
Image Sensor	1/1.8" progressive scan CMOS	
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON)	
Shutter Speed	1/50 s to 1/100,000 s	
Slow Shutter	Supported	
Digital Noise Reduction	3D DNR	
WDR	120 dB	
Lens		
Focal Length	8-32 mm	5.3-13 mm
Aperture	F1.6-1.65	
Focus	Auto	
Auto-iris	DC drive	
FOV	Horizontal FOV: 39.7° to 15.9°; Vertical FOV: 22.3° to 9.1°; Diagonal FOV: 45.8° to 18.1°	Horizontal FOV: 114.7° to 41.9°; Vertical FOV: 59.4° to 23.6°; Diagonal FOV: 141.5° to 48.1°
Compression Standard		
Video Compression	Main stream: H.265/H.264/MJPEG Sub-stream: H.265/H.264/MJPEG	

H.264 Type	Baseline profile/Main profile/High profile
H.265 Type	Baseline profile/Main profile/High profile
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1
Audio Bit Rate	8 Kbps (G.711) /16 Kbps (G.722.1)
Smart Feature	
Recognition	License plate recognition
Smart Function	Vehicle type classification, color identification, no-plate vehicle capture, vehicle driving direction detection
Road Traffic and Vehicle Detection	

	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
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Countries/Regions	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 > 98% 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/Others
Vehicle Color	Red, yellow (including orange), green, blue, purple, brown, white, grey (including silver), black
Vehicle Manufacturer	65 manufacturers: HYUNDAI, TOYOTA, KIA, HONDA, VOLKSWAGEN, BENZ, NISSAN, FORD, ISUZU, BMW, CHEVROLET, MITSUBISHI, RENAULT, OPEL, SUZUKI, SKODA, DAEWOO, AUDI, MAZDA, HINO, PEUGEOT, SSANG YONG, CITROEN, FIAT, SCANIA, MAN, VOLVO, LEXUS, SEAT, LAND ROVER, DAIHATSU, UD TRUCKS, SUBARU, IVECO, MINI, JEEP, PORSCHE, CHERY, DODGE, CHRYSLER, ACURA, ALFA ROMEO, GREAT WALL, INFINITY, SMART, SAIC MAXUS, JAC, JAGUAR, JMC, LINCOLN, JMC, SAAB, FAW, YUTONG, LWE, JOYLONG, GEELY, CADILLAC, JINBEI, ANKAI, HAIMA, FOTON, KING LONG, DONGFENG, EMGRAND
Capture Speed Range	5 to 120 km/h
Image	
Max. Resolution	1920 × 1080
Main Stream	50 Hz: 50 fps (1920 × 1080) 60 Hz: 60 fps (1920 × 1080)
Sub-Stream	50 Hz: 50 fps (1280 × 720, 704 × 576, 352 × 288) 60 Hz: 60 fps (1280 × 720, 704 × 480, 640 × 480)
Image Enhancement	BLC, HLC, 3D DNR

Image Settings	Rotation mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable via client software or web browser.
Video Compression	H.264 and H.265 encoding
Day/Night Switch	Auto/Scheduled/Triggered by alarm in
Picture Overlay	Logo picture can be overlaid on video with 128 × 128 in 24-bit bmp format
Network	
Network Storage	microSD/TF card (128 GB), local storage and CVR, NVR, ANR
Alarm Trigger	HDD Error, network disconnected, IP address conflicted, vehicle detector exception, traffic light detector exception
Protocols	TCP/IP, HTTP, HTTPS, FTP, DNS, RTP, RTSP, RTCP, NTP, IPv6, UDP
Security Measures	Password protection, HTTPS encryption, digest authentication for HTTP/HTTPS, digest authentication for ONVIF (Version 2.1)
General Function	One-key reset, two streams, heartbeat, password protection, watermark
API	ONVIF (Version 2.1, PROFILE S, PROFILE G), ISAPI, SDK
Simultaneous Live View	Up to 6 channels

User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-8600, HikCentral
Web Browser	IE7+
<i>Interface</i>	
Audio	Supported
Communication Interface	1 RJ45 10M/100M/1000M Ethernet interface 2 RS-485 interfaces 1 RS-232 port
Alarm	2 input interfaces, 2 output interfaces
Video Output	Network
On-Board Storage	Built-in microSD/TF card, up to 128 GB
Supplement Light	Built-in 3 LED strobe light
Reset Button	Supported
<i>General</i>	
Firmware Version	V4.2.2
Operating System	Linux
Certifications	CE, FCC, RoHS
Operating Conditions	Temperature: -30 °C to +70 °C (-22 °F to +158 °F) , Humidity: 95% or less (non-condensing)
Power Supply	12 VDC to 24 VDC ± 20%

Protection Level	IP67, IK10
Material	Aluminum alloy
Dimensions	With package: 428.5 × 120 × 132.8 mm
Weight	Camera: approx. 3.12 ± 0.5 kg (6.88 ± 1.1 lb)
Power Consumption	Max. 15 W

Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.



- 1/1.8" progressive scan CMOS
- 50 Hz: 1920 × 1080 @ 50 fps
- 60 Hz: 1920 × 1080 @ 60 fps
- Color: 0.001 Lux @ (F1.2, AGC ON)
- H.265, H.264, MJPEG
- 120 dB WDR
- 3D DNR
- Alarm I/O
- 1 RS-485 interface
- Two defined streams
- Built-in microSD/TF card, up to 128 GB
- License plate recognition
- IP67, IK10

Superiority

- Dedicated camera for ANPR
- HD resolution
- Professional shutter speed control

- Built-in ANPR engine, equipped with AI algorithm



Application

- Vehicle control
- Traffic monitoring
- Toll collection
- Security



Scenarios

- Tunnel
- Toll station
- Urban road
- Parking entrance

Smart Function

- Support vehicle type classification
- Support vehicle color identification

- Support no-plate vehicle capture
- Support driving direction detection
- Support motorcycle capture



Available Model

iDS-TCM203-A/0832 iDS-TCM203-A/5313

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

Application Scenario



Urban Road



Mixed Road

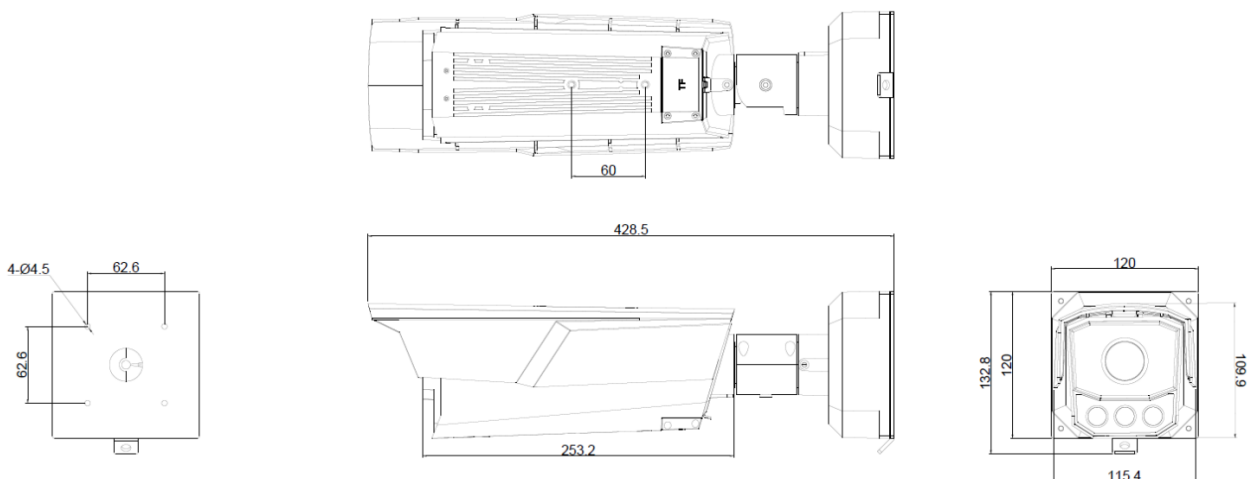


Entrance & Exit

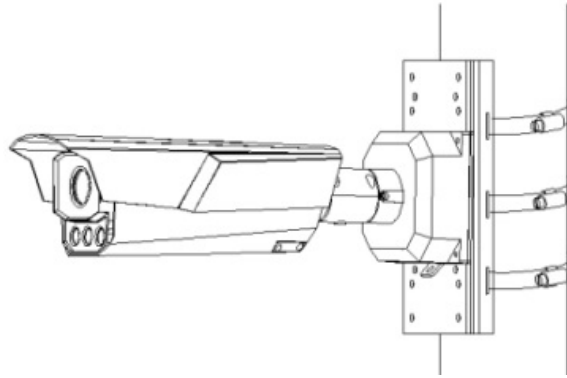


Highway Toll Station

Dimension

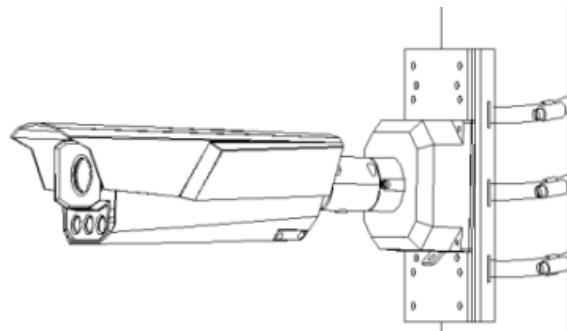


Accessory



Hoop Bracket

DS-1275ZJ-BJH/600 mm



Hoop Bracket

DS-1275ZJ-BJH/140 mm



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Documents / Resources

	HIKVISION ANPR Smart Surveillance Camera [pdf] Installation Guide ANPR Smart Surveillance Camera, Smart Surveillance Camera, Surveillance Camera
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References

- [User Manual](#)

📎 ANPR Smart Surveillance Camera, Hikvision, Smart Surveillance Camera, Surveillance

📁 Hikvision Camera

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