

iDS-TCM203-A High Performance ANPR Bullet Camera



DeepinView



- 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









Specifications

Image Sensor1/1.8" progressive scan CMOSMin. IlluminationColor: 0.001 Lux @ (F1.2, AGC ON)Shutter Speed1/50 s to 1/100,000 sSlow ShutterSupportedJojgital Noise Reduction3D DNRWDR120 dBLensFocal Length8-32 mmApertureF1.6-1.65FocusAutoAuto-irisDC driveFOVVertical FOV: 39.7° to 15.9°; Diagonal FOV: 114.7° to 41.9°; Vertical FOV: 22.3° to 9.1°; Diagonal FOV: 141.5° to 48.1°Video CompressionMain stream: H.265/H.264/MJPEG Sub-stream: H.265/H.264/MJPEGH.264 TypeBaseline profile/Main profile/High profileH.265 TypeBaseline profile/Main profile/High profileVideo Bit Rate32 Kbps to 16 MbpsAudio CompressionG.711/ 16 Kbps (G.722.1)Audio Bit Rate6.711/ 1/ Kbps (G.722.1)Audio Bit RateBot profile/Main Grofile/Ligh profileAudio Bit RateBot profile/Main Grofile/Ligh profileAudio Bit RateBot profile/Main grofile/Ligh profileAudio Bit RateSub stream: H.265/H.22.1)Audio Bit RateSub streamAudio Bit RateSub streamAudio Bit RateSub streamAudio Bit RateSub (G.711) / 16 Kbps (G.722.1)Audio Bit RateSub streamAudio Bit RateSub streamSub StreamSub (G.712.1) / 30 Kbps (G.722.1)Audio Bit RateSub streamAudio Bit RateSub streamAudio Bit RateSub streamAudio Sit	Camera	iDS-TCM203-A/0832	iDS-TCM203-A/5313	
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	Audio Compression	G.711/G.722.1		
Conserve Foundation	Audio Bit Rate	8 Kbps (G.711) /16 Kbps (G.722.1)		
Smart reature	Smart Feature			
Recognition License plate recognition	Recognition	License plate recognition		
Smart FunctionVehicle type classification, color identification, no-plate vehicle capture, vehicle driving direction detection	Smart Function			
Road Traffic and Vehicle Detection	Road Traffic and Vehicle Detectio	n		
Mid-East:		Mid-East:		
Turkey, United Arab Emirates, Qatar, Iran, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia,		Turkey, United Arab Emirates, Qatar, Iran, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia,		
Tunisia, Palestine, Pakistan		Tunisia, Palestine, Pakistan		
Africa:		Africa:		
South Africa, Kenya, Nigeria, Tanzania, Mauritius, Morocco		South Africa, Kenya, Nigeria, Tanzania, Mauritius, Morocco		
Asia-Pacific:		Asia-Pacific:		
Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam,		Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam,		
the Philippines, Hong Kong, Macao, Taiwan, Burma, Japan, India, Mongolia	Countries (Dominus	the Philippines, Hong Kong, Macao, Taiwan, Burma, Japan, India, Mongolia		
America:	Countries/Regions	America:		
United States of America, Colombia, Brazil, Ecuador, Peru, Mexico		United States of America, Colombia, Brazil, Ecuador, Peru, Mexico		
Europe:		Europe:		
Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France,		Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France,		
Netherlands, Switzerland, Spain, United Kingdom, Ireland, Germany, Italy, Austria, Israel		Netherlands, Switzerland, Spain, United Kingdom, Ireland, Germany, Italy, Austria, Israel		
Russian-Speaking Regions:		Russian-Speaking Regions:		
Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russian Federation,		Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russian Federation,		
Ukraine, Moldova, Belarus, Uzbekistan		Ukraine, Moldova, Belarus, Uzbekistan		



Accuracy	Capture rate > 98%		
(Under recommended installation and lighting	Driving direction recognition accuracy > 98.5%		
conditions)	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		
	50 Hz: 50 fps (1920 × 1080)		
Main Stream	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			
Security Measures	TCP/IP, HTTP, HTTPS, FTP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, IPv6, UDP 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		
	Up to 32 users		
User/Host	3 user levels: administrator, operator, and user		
Client	iVMS-8600, HikCentral		
Web Browser	IE7+		
Interface			
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		
General			
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.

Available Model

iDS-TCM203-A/0832

iDS-TCM203-A/5313

Application Scenario









Urban Road

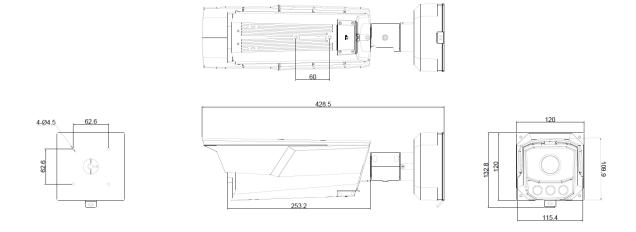
Mixed Road

Entrance & Exit

Highway Toll Station

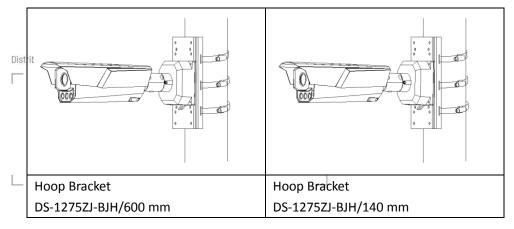


Dimension



Unit: mm

Accessory



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