HIKVISION®

iDS-TCM403-A(I)
High Performance ANPR Bullet Camera

DarkFighter⁺

DeepinView

H.265 | WDR | 3D DNR | IP67

- 1/1.8" progressive scan CMOS
- 50 Hz: 2688 × 1520 @ 25 fps
- 60 Hz: 2688 × 1520 @ 30 fps
- Color: 0.001 Lux @ (F1.2, AGC ON), 0.0005 Lux with IR
- H.265, H.264
- 140 dB WDR
- 3D DNR

- Alarm I/O
- 1 RS-485 interface
- IR range up to 100 m
- 3 defined streams
- Built-in microSD/TF card, up to 128 GB
- License plate recognition
- IP67, IK10

Auth. Project Partner :

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www.hikvision.com

Superiority

- ☐ Dedicated camera for ANPR
  - HD resolution
  - Integrated IR
  - 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
- ☐ Supports Speed measurement by video
- ☐ Support driving direction detection
- ☐ Support motorcycle capture

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Specification

Camera	iDS-TCM403-A(I)/0411	iDS-TCM403-A(I)/0832
Image Sensor	1/1.8″ progressive scan CMOS	
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), 0.0005 Lux with	
Shutter Speed	IR 1/25 s to 1/100,000 s	
Slow Shutter	Supported	
Day & Night	IR cut filter	
Digital Noise Reduction	3D DNR	
WDR	140 dB	
Lens		
Focal Length	4-11 mm	8-32 mm
Aperture	F1.38	F1.63-
Focus	Auto	1.8
Auto-iris	DC drive	
FOV	Horizontal FOV: 114.7° to 41.9°; Vertical FOV: 59.4° to 23.6°; Diagonal FOV: 141.5° to 48.1°	Horizontal FOV: 39.7° to 15.9°; Vertical FOV: 22.3° to 9.1°; Diagonal FOV: 45.8° to 18.1°
IR		
IR View Range of Camera	Up to 50 m	Up to 100 m
Wavelength	850 nm	
Compression Standard		
Video Compression	Main stream: H.265/H.264/MJPEG Sub-stream: H.265/H.264/MJPEG Third 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	8Kbps (G.711) /16Kbps (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		
Countries/Regions	Mid-East: Turkey, United Arab Emirates, Qatar, Iran, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia, Tunisia, Palestine, Pakistan Africa: South Africa, Kenya, Nigeria, Tanzania, Mauritius，Morocco Asia-Pacific: Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, the Philippines, Hong Kong, Macao, Taiwan, Burma, Japan, India, Mongolia America: United States of America, Colombia, Brazil, Ecuador, Peru, Mexico Europe: Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, United Kingdom, Ireland, Germany, Italy, Austria, Israel Russian-Speaking Regions: Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russian Federation, Ukraine, Moldova, Belarus, Uzbekistan	

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	Yes
Motorcycle LPR	Yes
Vehicle Type	Car/Van/Bus/Truck/Others
Vehicle Color	Red, yellow(including orange), green, blue, purple, brown, white, grey(including silver), black IR Model: Recognizable at daytime only
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	Up to 120km/h
Image	
Max. Resolution	2688 × 1520
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)
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 24bit 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,ICMP, FTP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, IPv4/IPv6, SSH, SSL, UDP, SNMP
Security Measures	Password protection, HTTPS encryption, digest authentication for HTTP/HTTPS, digest authentication for ONVIF (Version 2.1)
General Function	One-key reset, three 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+
Interface	
Audio	Supported

Communication Interface	1 RJ45 10M/100M/1000M Ethernet interface 1 RS-485 interface 1 Wiegand interface
Alarm	1 input interface, 1 output interface, 2 relays
Video Output	Network
On-Board Storage	Built-in microSD/TF card, up to 128 GB
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%, PoE (802.3at, class 4)
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. 12 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-TCM403-

AI/0832   iDS-

TCM403-AI/0411

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Application Scenario

Urban Road   Mixed Road   Entrance & Exit   Highway Toll

Application Performance

☐Urban road, mixed road, etc.

Physical Interface

Front Panel
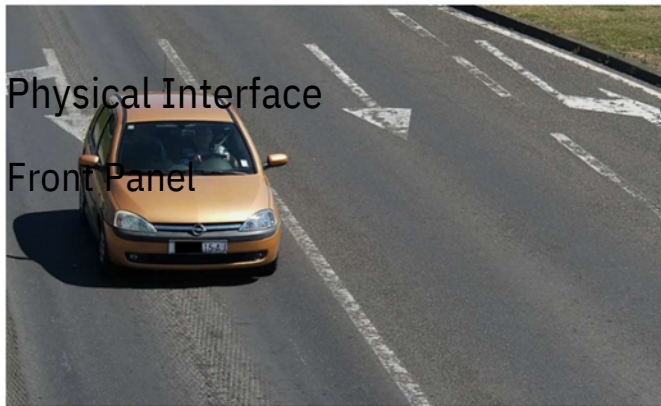
| Day | Night |

| Day | Night |

☐Entrance & exit, highway toll station, etc.

| Day | Night |

![HIKVISION]

Dimension

428.5

60

4-Ø4.5   62.6

62.6

253.2

120

132.8   120   109.9

115.4
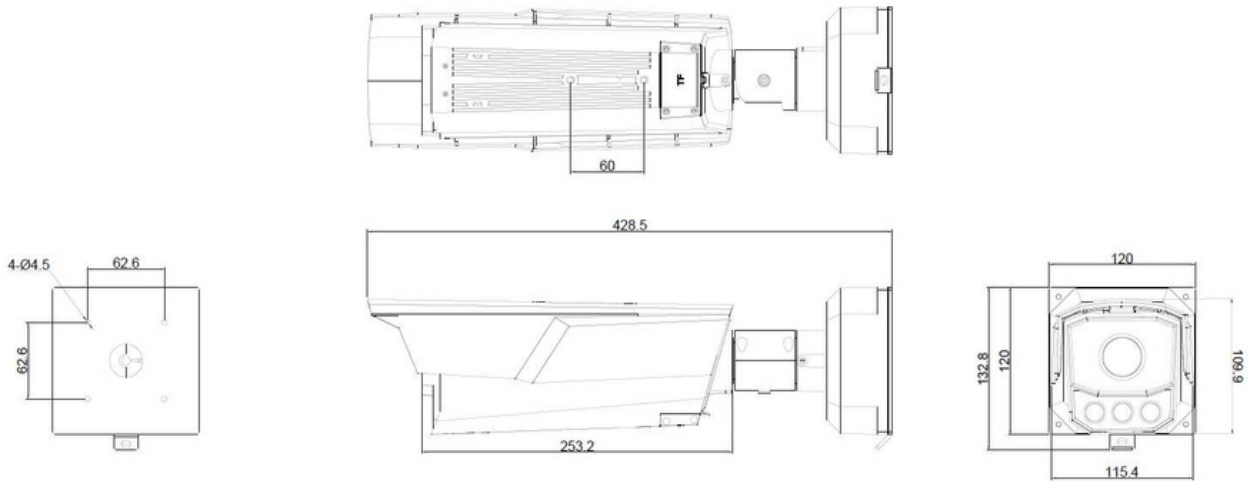
Unit: mm

Auth. Project Partner :

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Solutions Design | Supply | Installations | AMC | Services
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