

iDS-TCD203-A

High Performance Traffic Camera

DarkFighter

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),
0.0005 Lux with IR
- H.265, H.264, MJPEG
- 120 dB WDR
- 3D DNR
- Alarm I/O
- 1 RS-485 interface
- IR range up to 50 m
- Two defined streams
- Built-in microSD/TF card, up to 128 GB
- IP67, IK10

Application

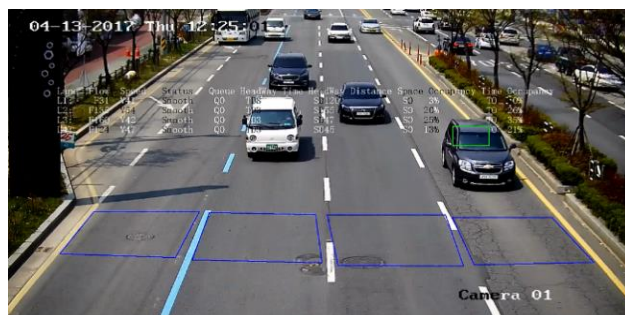
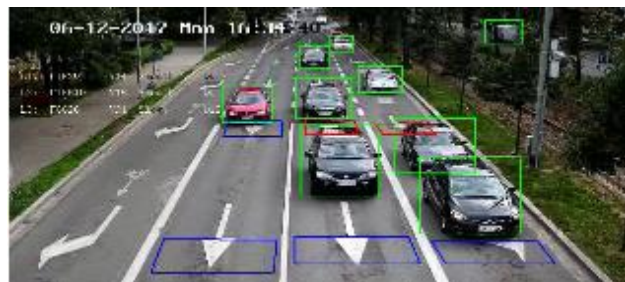
- Vehicle counting
- Traffic monitoring
- Traffic status release

Scenarios

- Highway
- Urban road

Smart function:

- Lane flow
- Average vehicle speed
- Time headway
- Space headway
- Time occupancy
- Space occupancy
- Lane queue length
- Vehicle type (large, small, motorcycle)
- Lane traffic status (smooth, slow, congestion)
- Congestion level



Specification

Camera		iDS-TCD203-A
Image Sensor		1/1.8" progressive scan CMOS
Min. Illumination		Color: 0.001 Lux @ (F1.2, AGC ON), 0.0005 Lux with IR
Shutter Speed		1/25 s to 1/100,000 s
Slow Shutter		Supported
Day & Night		IR cut filter
Digital Noise Reduction		3D DNR
WDR		120 dB
Lens		
Focal Length		8-32 mm
Aperture		F1.6-1.65
Focus		Auto
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°
IR		
IR Range		Up to 50 m
Wavelength		850 nm
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		
Smart Function		Vehicle counting, traffic monitoring, traffic status release
Road Traffic and Vehicle Detection		
Accuracy (Under recommended installation and lighting conditions)		Vehicle counting accuracy > 95%
Vehicle Classification		Large/Small/Motorcycle
Image		
Max. Resolution		1920 × 1080
Main Stream		50 Hz: 50 fps (1920 × 1080, 1280 × 720, 704 × 576, 352 × 288) 60 Hz: 60 fps (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		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
Network	
Network Storage	microSD/TF card (128 GB), local storage and CVR, NVR, ANR
Protocols	TCP/IP, HTTP, HTTPS, FTP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, 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, three streams, heartbeat, password protection, watermark
API	ONVIF (Version 2.1, PROFILE S, PROFILE G), ISAPI, SDK
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-8600
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
Reset Button	Supported
GPS	Optional
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	120 × 132.8 × 428.5 mm (4.72 × 5.23 × 16.87 inch)
Weight	3.12 ± 0.5 kg (6.88 ± 1.1 lb)
Power Consumption	Max. 15 W

Available Model

iDS-TCD203-A/0832(850nm)

Application Scenario

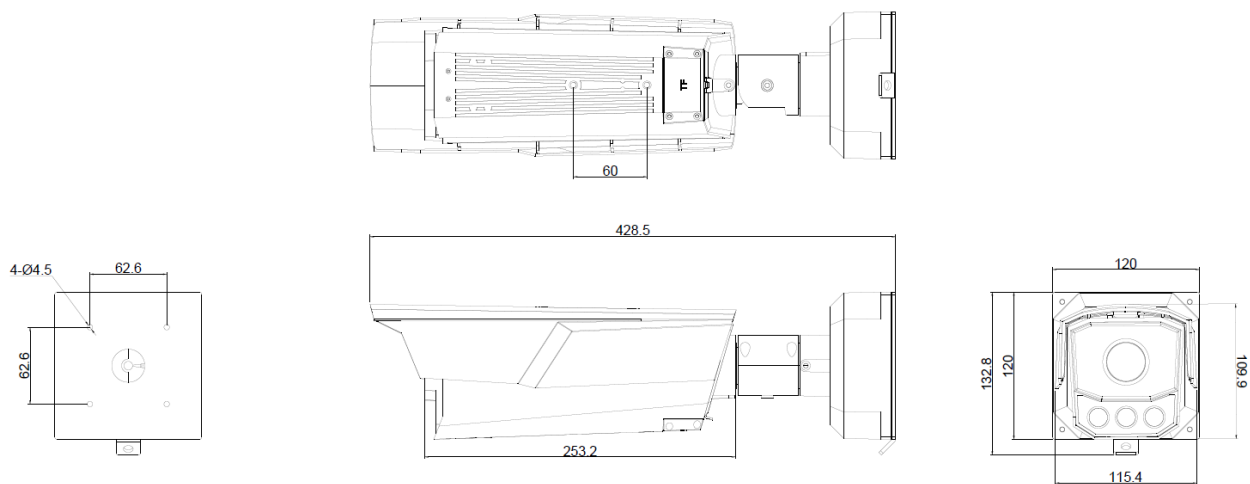


Urban Road



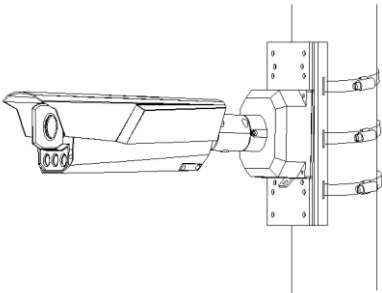
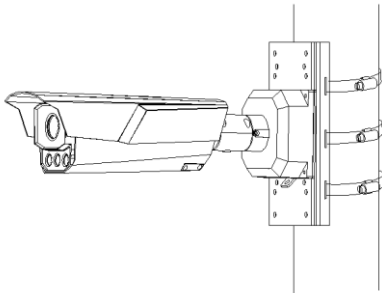
Highway

Dimension



Unit: mm

Accessory

	
Hoop Bracket DS-1275ZJ-BJH/600 mm	Hoop Bracket DS-1275ZJ-BJH/140 mm

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