iDS-TCS807-CR
All-Rounder Traffic Incident Detection Camera

- Applicable to various events detection and vehicle feature recognition
- High-precision radar & 8 MP CMOS sensor
- All weather workable
- H.264/H.265 High Profile encoding, 8 MP (1/1.2" CMOS), 3840 × 2160 @ 25 fps
- Support multi-target vehicle trajectory detection and target visualization, ranging 200 meters in the vertical direction
- Built-in deep learning algorithm, support vehicle plate/type/color/brand identification
- Built-in supplement light
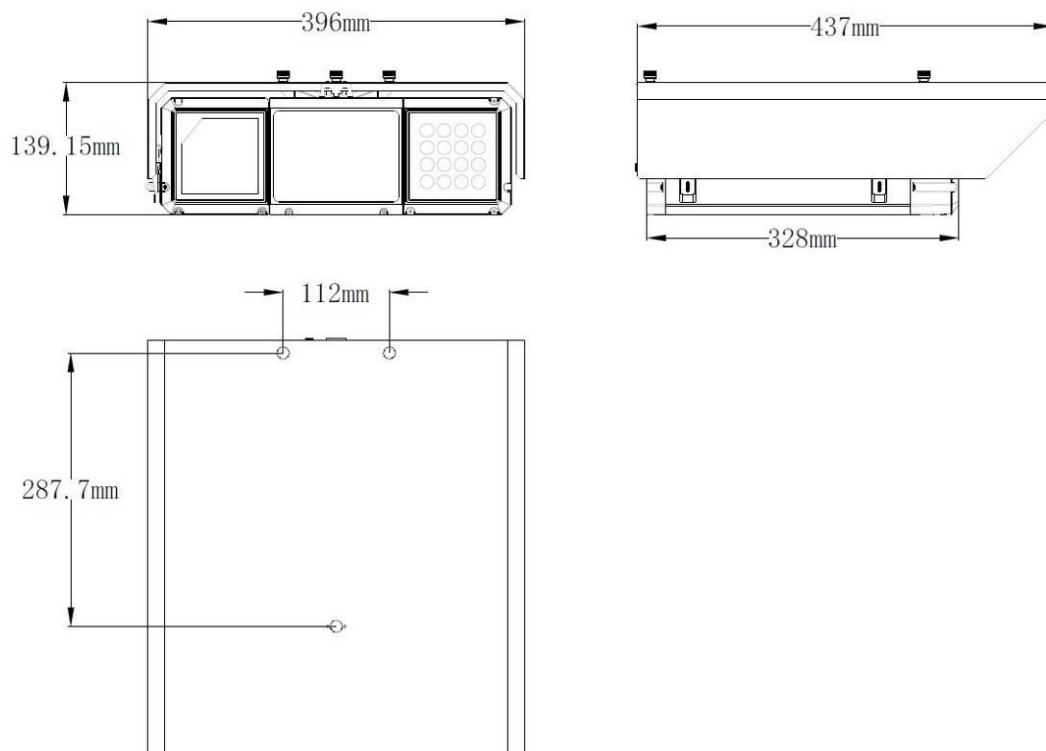
▪ Specification

Camera	
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.001 Lux@(F1.4, AGC ON) , 0.0005 Lux with IR
Shutter Time	50 to 20000 us
Lens	
Focal Length & FOV	1550(default): CS-Mount, Horizontal: 42.7° to 13.7°, Vertical: 23.4° to 7.6°, Diagonal: 49.7 to 15.8° 5721: CS-Mount, Horizontal: 106.5° to 33.1°, Vertical: 60.2° to 18.7°, Diagonal: 121.4° to 37.8°
Video	
Main Stream	50 Hz: 25 fps (3840 × 2160, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 1920 × 1080, 1280 × 720)
Sub Stream	1920 × 1080, 704 × 576
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
Network	
Protocols	TCP/IP, HTTP, DNS, RTP, RTSP
Security	Username and password authentication, HTTPS Digital certificate
Web Browser	IE7+
Image	
Image Settings	Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser.
Day/Night Switch	Auto/Scheduled/Triggered by alarm in
Image Enhancement	3D DNR
Interface	
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet interface
On-board Storage	Built-in microSD/TF card slot, up to 128 GB
Alarm	1 output interface
RS-485	1 RS-485 interface (half duplex, HIKVISION)
Event	
Basic Event	HDD Error, network disconnected, IP address conflicted, vehicle detector exception, traffic light detector exception
Road Traffic and Vehicle Detection	
Coverage	2 to 3 lanes
Smart Function	Vehicle type, lane flow, lane speed, space headway, time headway, lane time occupancy rate, lane space occupancy rate, queuing length, and traffic status Driving on the lane line, lane change, wrong-way driving, stopped vehicle, emergency lane occupation, roadblock, construction, fallen object, pedestrians, congestion, fire/smoke in tunnel detection, rapid deceleration, speeding, low-speed driving

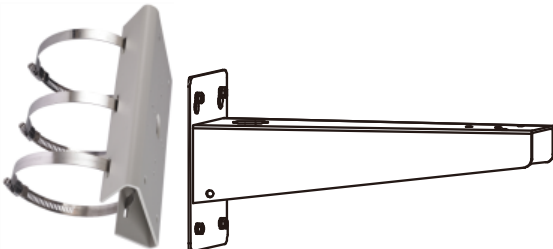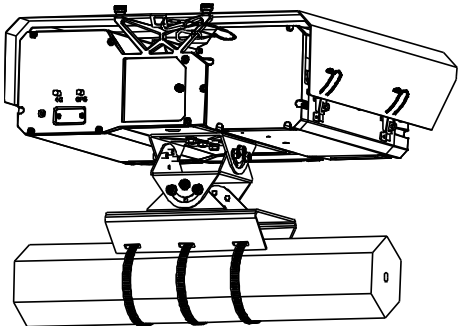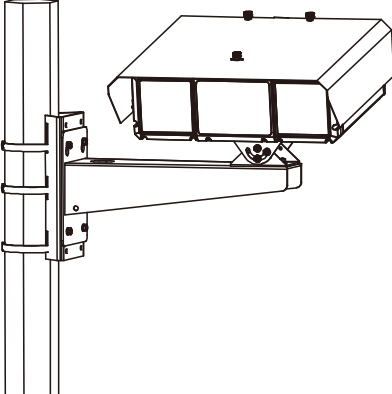| General	
Power	100 to 240 VAC (with power adapter, by default)
	36 VDC ± 20% (without power adapter)
	80 W MAX
Dimension	437 × 396 × 139.15 mm (17.2" × 15.6" × 5.5")
Weight	7 ± 0.5 kg (15.4 ± 1.1 lb.)
Operating Condition	Temperature: -30 °C to 70 °C (-22 °F to 158 °F)
	Humidity: 95% or less (non-condensing)
General Function	Heartbeat, password protection, NTP time adjustment
Approval	
Protection	IP65

▪ Available Model

iDS-TCS807-CR/200m/1550

▪ Dimension

Accessory

DS-1278ZJ-HWB Horizontal Pole Mount	DS-1275ZJ/HWB, DS-1701ZJ Vertical Pole Mount

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