HIKVISION

iDS-TCS817-C/5721/316
Bi-Spectrum Traffic Incident Detection Camera

H.265

3D DNR

DeepinView

- 8 MP (1/1.2" CMOS), 3840 × 2160 @ 25 fps
- Color: 0.001 Lux@(F1.4, AGC ON)
- H.265, H.264, MJPEG
- 60 dB SNR
- 3D DNR

- Built-in thermal and visual imaging
- Traffic flow detection
- Incident detection
- Alarm I/O
- Two defined streams
- Built-in micro SD/TF card, up to 128 GB
- IP66
- Supports side mounting with convenient installation and debug

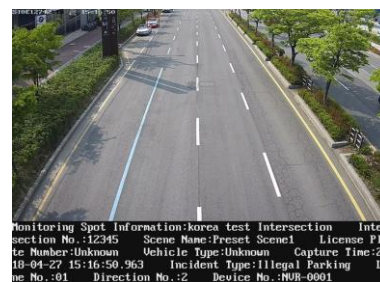**Superiority**

- Traffic flow data collection
    - Lane flow
    - Lane speed
    - Space headway
    - Time headway
    - Lane time occupancy rate
    - Lane space occupancy rate
    - Queuing length
    - Traffic status
- Capable of detecting multiple incidents
    - Driving on the lane line detection
    - Lane change detection
    - Wrong-way driving detection
    - Stopped vehicle detection
    - Emergency lane occupation
    - Roadblock detection
    - Construction detection
    - Fallen Object detection
    - Pedestrians detection
    - Congestion detection
    - Fire/Smoke in tunnel detection

Application

- Traffic flow control
- Traffic monitoring
- Traffic incident detection

Scenarios

- Highway
- Tunnel
- Toll station
- Urban road

Stopped Vehicle

Pedestrian

Roadblock

Wrong-Way Driving

Specification

Visible Camera	iDS-TCS817-C
Image Sensor	8 MP (1/1.2'' CMOS)
Min. Illumination	Color: 0.001 Lux@(F1.4, AGC ON) , 0.0005 Lux with IR
Shutter Speed	50 to 20,000 us
Day & Night	IR cut filter
Digital Noise Reduction	2D/3D DNR
WDR	60 dB
Lens	
Focal Length	5.7 to 21 mm or 15-50 mm(Optional)
Aperture	1550: F1.4-C 5721: F1.5-C
Focus	Manual
FOV	5721: CS-Mount, Horizontal: 106.5° to 33.1°, Vertical: 60.2° to 18.7°, Diagonal: 121.4° to 37.8° 1550: CS-Mount, Horizontal: 42.7° to 13.7°, Vertical: 23.4° to 7.6°, Diagonal: 49.7 to 15.8°
Thermal Imaging	
Max Image Dimension	640 × 512
Focal Length	10 mm (default), Optional: 15 mm, 25 mm, 50 mm
Measuring Range	0 °C ~ 550 °C
Measuring Distance	25 m
FOV	10 mm(default): F:1.0, Horizontal: 72.0°, Vertical: 56.1°, Diagonal: 97.4° 15 mm: F:1.0, Horizontal: 42.4°, Vertical: 33.6°, Diagonal: 55.2° 25 mm: F:1.0, Horizontal: 24.6°, Vertical: 18.5°, Diagonal: 31.3° 50 mm: F:1.0, Horizontal: 12.3°, Vertical: 9.8°, Diagonal: 15.6°
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
Smart Feature	
Coverage	Up to 3 lanes
Trigger Mode	Video trigger
Supplement Light Type	External strobe/flash/continuous light
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
Image	
Max. Resolution	3840 × 2160
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

Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser.
SVC	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 24-bit bmp format.

Network

Network Storage	Micro SD/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
General Function	One-key reset, three streams, heartbeat, password protection, watermark
API	ISAPI, SDK
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	HikCentral Master, HikCentral Master Lite
Web Browser	IE7+

Interface

Communication Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet interface 1 1000 M fiber interface 1 RS-485 interface (half duplex, HIKVISION)
Alarm	1 output interface
On-board storage	Built-in micro SD/TF card, up to 128 GB
GPS	Optional
Temperature Sensor	Optional

General

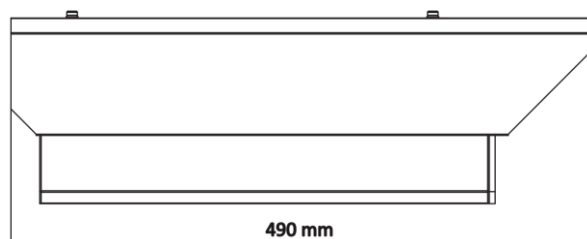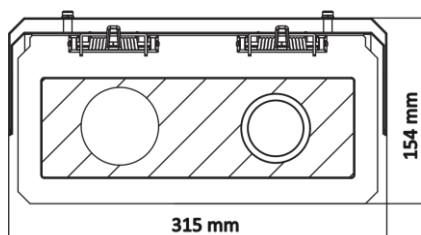| Operating System	Linux
Operating Conditions	Temperature: -30 °C to 70 °C (-22 °F to 158 °F) Humidity: 95% or less (non-condensing)
Power Supply	24 VDC ± 20% (without power adapter), POE (802.3at, class 4)
Protection Level	IP66
Heater	Supported
Material	Stainless steel 316L
Dimensions	490 × 315 × 154 mm (19.3 × 12.4 × 6.1 inch)
Weight	Approx. 10.4 ± 0.5 kg (22.9 ± 1.1 lb.)
Power Consumption	MAX. 24 W

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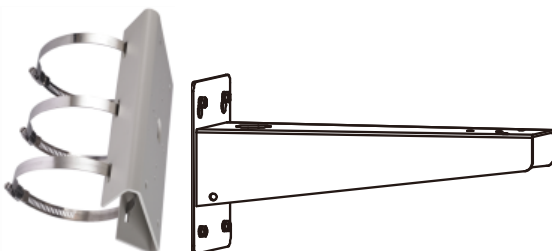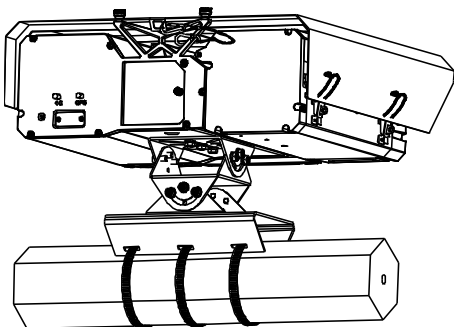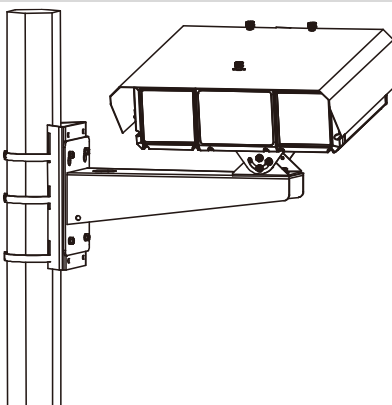
Available Model

iDS-TCS817-C/5721/316

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

Dimension

154 mm

315 mm

490 mm

Accessory

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

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