

# iDS-TCD402-CR/12

## Radar and Video Vehicle Detector

**HIKVISION**<sup>®</sup>



### Key Feature

- Applicable to signal control system, traffic information service system, road traffic surveillance, etc.
- Integrated with millimeter wave radar of 77 GHz high frequency band and 4.2 MP low illumination camera.
- Multiple targets track detection and visualization in bi-directional 4 lanes with vertical coverage of 200 m.
- All-weather workable, free of influences from rain, snow, fog, wind, dust, illumination, etc.
- Embedded with deep learning algorithm, supporting smart recognition for license plate and target structuralization.
- Information detection of multiple targets positions, lane, speed, direction, etc.
- Multiple traffic data collection: statistics and uploading of different lanes, including data of traffic flow, speed, status, queue, time headway, space headway, number of parking vehicle in area, average delay, space occupancy, time occupancy, etc. in 1 to 3,600 s.
- Traffic evaluation data output, including parking duration, parking times, and queue length.
- Two virtual coils for each lane. Signal output of vehicle entering and exiting virtual coils. Positions of virtual coils are adjustable.
- Defog, HLC, WDR, and multiple white balance modes, satisfying various scenes.
- Network and RS-485 data uploading.

### Available Model

iDS-TCD402-CR/12

### Specification

Radar	
Frequency Band	77 GHz
Wave Length	4 mm
Speed Detection Range	1 to 200 km/h

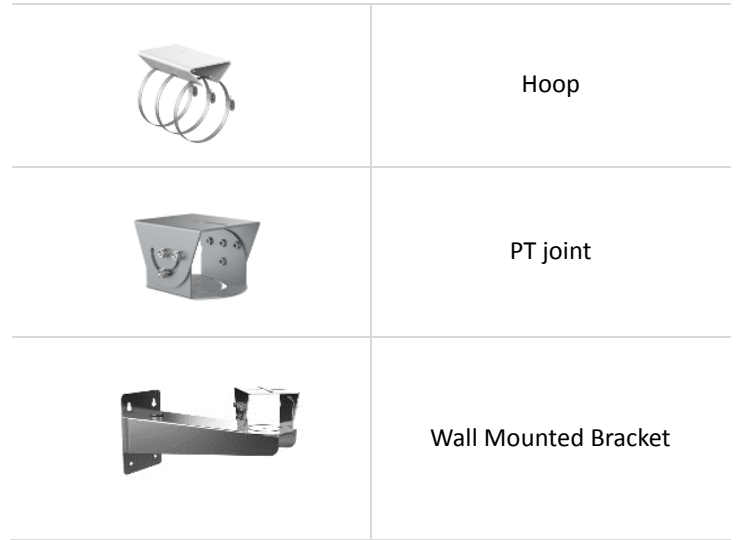
Performance Feature	High space resolution, high penetrability, free of influences from natural conditions such as illumination, visibility, bad weather, etc.
Camera	
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON) B/W: 0.001 Lux @ (F1.2, AGC ON)
Shutter Speed	1/25 s to 1/100,000 s
Day/Night Switch	ICR
DNR	3D DNR
White Balance	Auto, manual, etc.
Focal Length	12 mm
Video Compression	H.265/H.264
Max. Resolution	2712 × 1536
Video Frame Rate	25 fps
Video Bit Rate	32 Kbps to 16 Mbps
Stream Type	Dual Stream
Smart Encoding	ROI
Function	
Network Protocol	TCP/IP, HTTP, DNS, RTP, RTSP
Media Safety	User name and password authentication, HTTPS digital certification
Storage	TF card
General	Heartbeat, password protection, NTP time synchronization
Function and Feature	
Traffic Data Collection	Multiple traffic data output, including lane line, traffic flow, speed, status, queue, time headway, space headway, space occupancy, time occupancy, etc. Supports real-time display of smart dynamic information.
Detection Range	200 m coverage in range of the scene
Multi-Target Detection	Able to track and detect max. 128 targets.
Virtual Coil	Two virtual coils for each lane. Signal output of vehicle entering and exiting virtual coils. Positions of virtual coils are adjustable.
Road Status	Smooth, slow, congested status detection
Parking Detection	Average parking times detection

## Interface

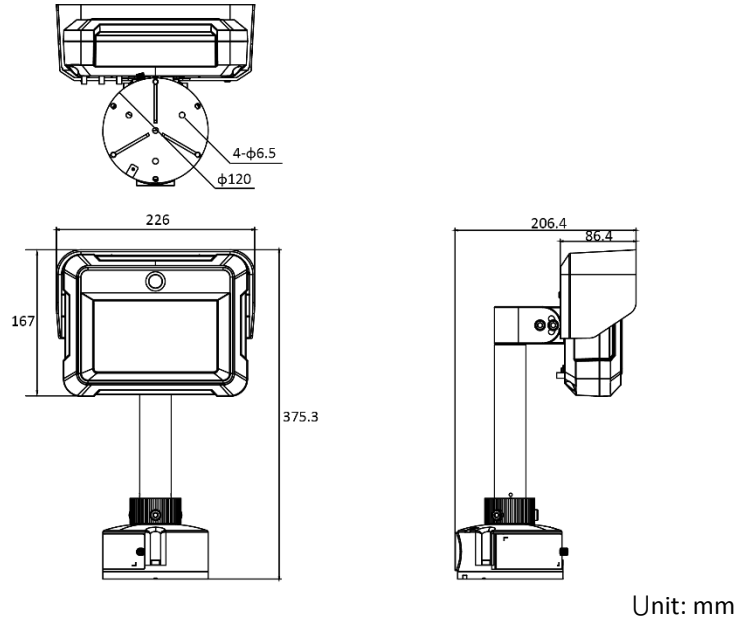
Network Interface	1, RJ45 100M/1000M self-adaptive Ethernet interface
Serial Port	1, RS-485 interface 1, RS-232 interface
Output Interface	1-ch level output

## General

Working Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Working Humidity	< 95% (non-condensing)
Protection Level	IP66
Power Supply	24 VAC ± 10%
Consumption	Max. 25 W
Dimension (L × W × H)	226 × 206.4 × 375.3 mm (8.9 × 8.1 × 14.8 inch)
Weight	3 kg (6.6 inch)
Installation Mode	Center mounting, road side mounting (installation height: 6 to 8 m)
Others	Supports hardware watchdog.



## Dimension



Unit: mm

Distributed by

## Accessory

Accessory	Name
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