iDS-TCE507-BR
5 MP ANPR Intersection Violation Capture Unit

- All-in-one design, integrating camera, radar, and supplement light

- High quality imaging with 5 MP resolution (2/3'' GMOS)

- Excellent low-light performance, Color: 0.001 Lux@(F1.4, AGC ON)

- Support speed detection with built-in 24 GHz radar

- Support license plate recognition (LPR)

- Support vehicle feature recognition: vehicle type / color / manufacturer / license plate color recognition, no-plate vehicle capture

- Violation behaviors detection: running the red light, speeding, driving on lane line, lane change, wrong-way driving detection, etc.

- Supports side mounting with convenient installation and debug

▪ Specification

Camera	
Image Sensor	5 MP (2/3'' GMOS)5
Max. Resolution	2464 × 2056
Min. Illumination	Color: 0.001 Lux @ (F1.4, AGC ON)
Shutter Time	50 us-20000 us
Day & Night	24/7 color imaging
Lens	
Lens Type	Varifocal lens, motorized lens, 11 to 40 mm
Focal Length & FOV	11 to 40 mm, horizontal FOV 36.7° to 13.9°, vertical FOV 30.7° to 11.6°, diagonal FOV 48.0° to 18.2°
Focus	Auto
Aperture	F1.6
Illuminator	
Built-in Supplement Light Type	White light
Light Bead	16
Built-in Supplement Light Range	Up to 40 m
External Supplement Light	Strobe and flash light
Radar	
Working Frequency	24.05 to 24.25 GHz
Modulation Waveform	FMCW
Antenna Beam Width	35° × 16°
Detection Distance	40 m
Speed Measuring Range	10 to 320 km/h
Max. Detectable Targets	up to 32
Speed Measuring Accuracy	± 2 km/h
Trigger Consistency	≤ ± 1 m
Coverage Lanes	Up to 2 lane(s)
Capture Rate	≥ 95%
Trigger Mode	Approaching direction,Leaving direction,Bidrection
Video	
Main Stream	50 Hz: 50 fps (2464 × 2056, 2448 × 2048, 2048 × 1536, 1920 × 1080, 704 × 576) 60 Hz: 30 fps (2464 × 2056, 2448 × 2048, 2048 × 1536, 1920 × 1080, 704 × 576)
Sub-Stream	50 Hz: 50 fps (2448 × 2048, 2048 × 1536, 1920 × 1080, 704 × 576) 60 Hz: 30 fps (2448 × 2048, 2048 × 1536, 1920 × 1080, 704 × 576)
Third Stream	50 Hz: 50 fps (2048 × 1536, 1280 × 720, 704 × 576) 60 Hz: 30 fps (2048 × 1536, 1280 × 720, 704 × 576)
Video Compression	Main stream: H.265/H.264/MJPEG Sub-stream: H.265/H.264/MJPEG Third 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	Main profile

Network	
Protocols	TCP/IP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IPv4, IPv6, UDP, SNMP, 802.1X, QoS
Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP, OTAP
User/Host	Up to 32 users 3 user levels: administrator, operator and user
Security	Password protection,Complicated password,HTTPS encryption,802.1X authentication (EAP-PEAP, EAP-LEAP, EAP-MD5),Basic and digest authentication for HTTP/HTTPS,WSSE and digest authentication for ONVIF,Control timeout settings
Network Storage	MicroSD/TF card (512 GB), local storage and CVR, NVR, ANR
Client	iVMS-4200 (Only for live view and LPR information search),Hik-Central Master,Hik-Central Pro,HikCentral Master Lite
Web Browser	Chrome V61+、IE9 - IE11、Firefox V40+、Edge, plug-in free live view supported

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
SNR	60 dB
Image Enhancement	BLC, HLC, 3D DNR

Supplement Detection (Satellite Positioning)	
Satellite Positioning	Optional

Interface	
Ethernet Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet interface
On-board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 512 GB
Temperature Sensor	Optional
Alarm	6 output interfaces
RS-485	1 RS-485 interface

Event	
Basic Event	HDD Error, network disconnected, IP address conflicted, vehicle detector exception, traffic light detector exception

Road Traffic and Vehicle Detection	
Coverage	Up to 2 lanes
Trigger Mode	External I/O trigger/Radar trigger/Video trigger
Smart Function	License plate recognition,Vehicle type classification,Vehicle color recognition,No-plate vehicle capture,Moving direction detection

LPR Countries/Regions	Middle East: The United Arab Emirates (Abu Dhabi, Ajman, Dubai, Fujairah, Ras Al Khaimah, Sharjah and Umm Al Quwain), Qatar, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia, Pakistan, Oman, Lebanon, Bahrain Africa: Nigeria, Kenya, Ivory Coast , South Africa, Tanzania, Mauritius, Morocco, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Senegal, Algeria Asia-Pacific: Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, the Philippines, Hong Kong, Macao, Taiwan, Myanmar, India, Mongolia, Cambodia, Laos, Bangladesh, Nepal, Sri Lanka America: Canada, Argentina, Chile, Paraguay, Uruguay, El Salvador, Bolivia, Colombia, Brazil, Ecuador, Peru, Mexico, Panama, Costa Rica, Trinidad and Tobago, the Dominican Republic, Guatemala Europe: Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, the Republic of North Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, the UK, Ireland, Germany, Italy, Austria, Israel, Palestinian, Belgium, Luxembourg, Albania, Kosovo, Serbia, Romania, Montenegro, Denmark, Finland, Sweden, Slovenia, Portugal, Malta, Cyprus, Iceland, Liechtenstein, Bosnia and Herzegovina Russian-Speaking Regions: Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russia, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia, Turkmenistan, Tajikistan
Accuracy (Under recommended installation and lighting conditions)	Capture rate > 99%, Vehicle moving direction recognition accuracy > 98.5%, LPR accuracy > 98%, Mistaken capture rate < 2%
No License Plate Detection	Supported
Motorcycle LPR	Supported
Vehicle Type	Car/Van/Bus/Truck/Light Truck/SUV_MPV/Pickup/Pedestrian/Motorcycle/Tricycle
Vehicle Color	Red, yellow, green, blue, pink, purple, cyan, brown, white, grey, black
Vehicle Manufacturer	84 manufacturers: Hyundai, Toyota, KIA, Honda, Volkswagen, Benz, Nissan, Ford, Isuzu, BMW, Chevrolet, Mitsubishi, Renault, Opel, Suzuki, Skoda, Daewoo, Audi, Mazda, GAC HINO, Peugeot, SsangYong, Citroen, Fiat, Scania, MAN, Volvo, Lexus, Seat, Land Rover, Daihatsu, Dongwo, Subaru, Iveco, MINI, JEEP, Porsche, Chery, Dodge, Chrysler, Acura, Alfa Romeo, Great Wall, Infiniti, Smart, Saic Maxus, JAC, Jaguar, GMC, Lincoln, JMC, SAAB, FAW, Yutong, Guangzhou Yunbao, Joylong, Geely, Cadillac, JBC, An'kai, Haima, Foton, King Long, Dongfeng, Geely-Emgrand, Perodua, UD, BYD, Renault Samsung, Proton, HICOM, Malaysia_Unknown 1, Hyundai-Rohens, SsangYong-Old Version, Equus-Old Version, CNHTC, Rolls-Royce, Beiben Truck, Haval, Hino, Kia-Borrego, Chang'an, Alfa, FORO
License Plate Color Recognition	Customized to support
Driving on Lane Line Detection	Supported (only strobe light mode)
Lane Change Detection	Supported (only strobe light mode)

Wrong-way Driving Detection	Supported
Emergency Lane Occupation	Supported (truck forbidden lane, emergency lane, urban bus lane)
Capture Speed Range	10 to 320 km/h
General	
Operating System	Linux
Power	DC 36 V ± 20%, 2 A, max. 70 W, two-core terminal block
Material	Aluminum alloy
Dimension	369.0 mm × 437.4 mm × 151.1 mm (15.59" × 17.22" × 5.95") (L × W × H)
Package Dimension	535 mm × 500 mm × 390 mm (21.06" × 19.68" × 15.35") (L × W × H)
Weight	Approx. 8.00 kg (17.6 lb.)
With Package Weight	Approx. 13.7 kg (30.2 lb.)
Operating Condition	-30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
Storage Condition	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (Non-condensing)
General Function	One-key reset, three streams, heartbeat, password protection, watermark
Heater	Supported
Language	8 languages: English, Thai, Croatian, Korean, Russian, Traditional Chinese, Ukrainian, Spanish
Approval	
RF	CE-RED:EN 301489-1 V2.2.3, EN 301489-3 V2.1.1, EN 301489-17 V3.2.4，EN 301489-52 V1.2.1，EN 300440 V2.1.1, EN 302288-2 V1.6.1
EMC	CE-EMC: EN 55032: 2015/A11:2020+A1:2020, EN IEC61000-3-2: 2019/A1:2021, EN 61000-3-3: 2013+A1:2019/A2:2021, EN 50130-4: 2011 +A1: 2014
Safety	CE-LVD: EN 62368-1: 2014+A11: 2017,CB: IEC 62368-1: 2018
Environment	CE-RoHS: 2011/65/EU,WEEE: 2012/19/EU,Reach: Regulation (EC) No 1907/2006
Protection	IP66: IEC 60529-2013,IK10: IEC 62262:2002

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has No specific protection.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Available Model

iDS-TCE507-BR/1550

iDS-TCE507-BR(F)/1140(AF)

▪Dimension
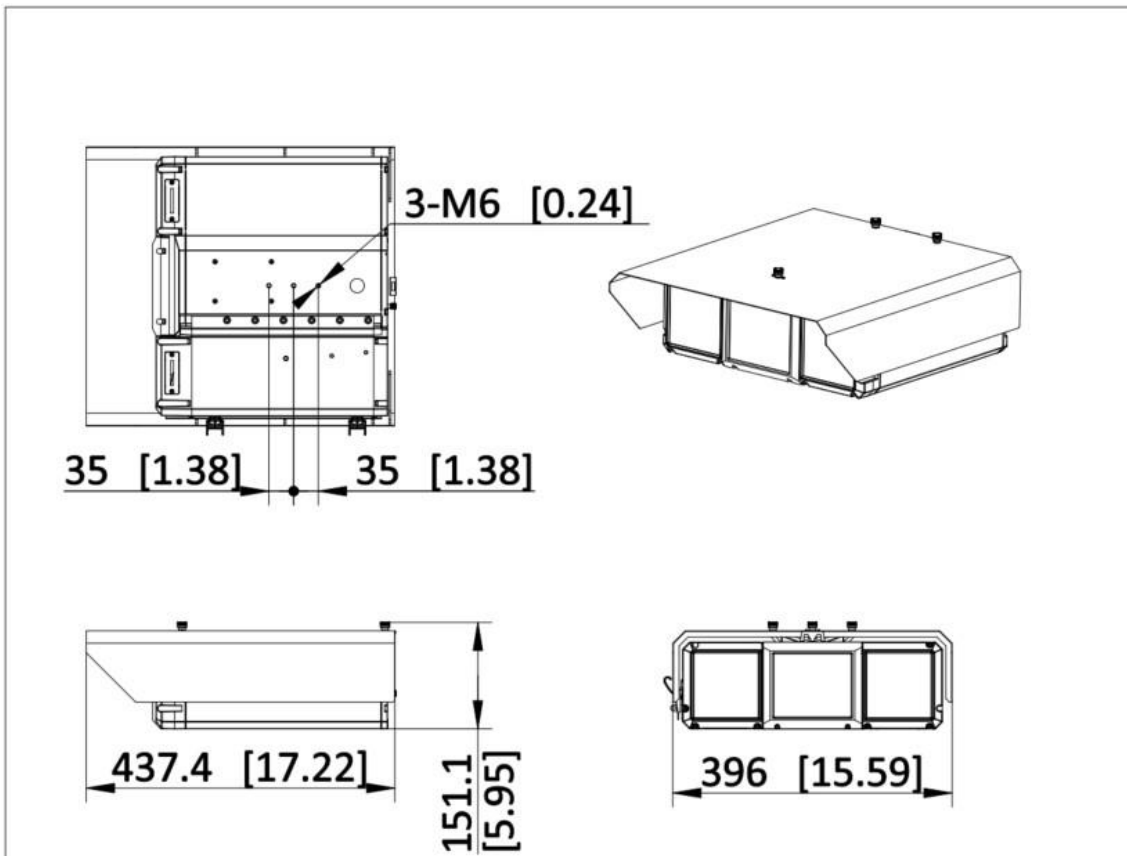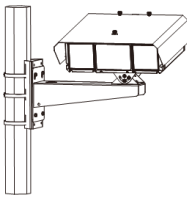

L×W×H:396mm×437.4mm×151.1mm(15.59×17.22×5.95)
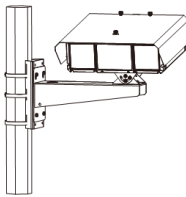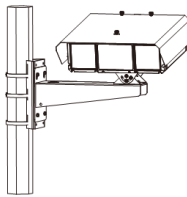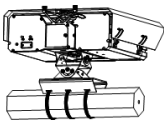
Camera Mounting Hole[mm]	Camera Mounting Hole[inch]	Unit: mm [inch]	
3-M6	3-M0.24	SCALE	1:1

▪ **Accessory**

▪ **Included**

DS-1232ZJ-T/BJH Cardan Joint

▪ **Optional**

DS-1275ZJ-BJH/600mm Hoop & Bracket	DS-1275ZJ-BJH/127mm Hoop & Bracket	DS-1701ZJ/BJH Hoop & Bracket	DS-1278ZJ-BJH Hoop & Bracket

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