

## iDS-TCV900-HI/H1 9 MP IR ANPR Checkpoint Capture Unit



- High quality imaging with 9 MP resolution (1" GMOS)
- Excellent low-light performance, Color: 0.001 Lux@(F1.4, AGC ON), B/W: 0.0005 Lux @ (F1.4, AGC ON)
- Efficient H.265 compression technology
- 3D DNR technology delivers clean and sharp images
- Support license plate recognition (LPR)
- Vehicle feature recognition: vehicle type / color / manufacturer / license plate color recognition, no-plate vehicle capture
- Violation behaviors detection: driving on lane line, lane change, wrong-way driving detection, seatbelt, phone call, U-Turn, red light running, failing to yield for pedestrians, not following directional sign and stop vehicle on intersection detection.
- Application Scenarios: highway, tunnel, toll station, urban road, etc.

## ▪ Specification

| Camera                          |                                                                                                                                                                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                    | 9 MP (1" GMOS )                                                                                                                                                                                                                                |
| Max. Resolution                 | 4096 × 2160                                                                                                                                                                                                                                    |
| Min. Illumination               | Color: 0.001 Lux @ (F1.4, AGC ON),<br>B/W: 0.0005 Lux @ (F1.4, AGC ON),<br>0 Lux with IR                                                                                                                                                       |
| Shutter Time                    | 7 us to 20000 us                                                                                                                                                                                                                               |
| Day & Night                     | IR cut filter                                                                                                                                                                                                                                  |
| Lens                            |                                                                                                                                                                                                                                                |
| Lens Type                       | Fixed focal lens, 25 mm,<br>Varifocal lens, motorized lens, 11 to 40 mm                                                                                                                                                                        |
| Focal Length & FOV              | 25 mm, horizontal FOV 31.6°, vertical FOV 17.0°, diagonal FOV 35.4°,<br>11 to 40 mm, horizontal FOV 61.8° to 23.5°, vertical FOV 32.4° to 12.2°, diagonal FOV 70.0° to 26.8°                                                                   |
| Focus                           | Auto, Manual                                                                                                                                                                                                                                   |
| Aperture                        | iDS-TCV900-HI/1140/H1(AF), iDS-TCV900-HI/Y/1140/H1(AF),<br>iDS-TCV900-HI/1140/H1(AF)(MD), iDS-TCV900-HI/1140/H1(AF)(24V): F1.6<br>iDS-TCV900-HI/25/H1, iDS-TCV900-HI/25/H1(24V): F1.6 to F20                                                   |
| Illuminator                     |                                                                                                                                                                                                                                                |
| Built-in Supplement Light Type  | IR light                                                                                                                                                                                                                                       |
| Light Bead                      | 3                                                                                                                                                                                                                                              |
| Built-in Supplement Light Range | Up to 30 m                                                                                                                                                                                                                                     |
| IR Wavelength                   | 850 nm                                                                                                                                                                                                                                         |
| External Supplement Light       | Strobe and flash light                                                                                                                                                                                                                         |
| Video                           |                                                                                                                                                                                                                                                |
| Main Stream                     | 50 Hz: 50 fps (4096 × 2160, 3840 × 2160, 3392 × 2008, 3072 × 1728, 2688 × 1520, 1920 × 1200, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (4096 × 2160, 3840 × 2160, 3392 × 2008, 3072 × 1728, 2688 × 1520, 1920 × 1200, 1920 × 1080, 1280 × 720) |
| Sub-Stream                      | 50 Hz: 50 fps (3392 × 2008, 2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (3392 × 2008, 2688 × 1520, 1920 × 1080, 1280 × 720)                                                                                                         |
| Third Stream                    | 50 Hz: 50 fps (1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720)                                                                                                                                                             |
| Video Compression               | Main stream: H.265/H.264/MJPEG,<br>Sub-stream: H.265/H.264/MJPEG,<br>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, ICMP, HTTP, HTTPS, FTP, DNS, RTP, RTSP, RTCP, NTP, SNMP, 802.1X, IPv4/IPv6, UDP, ISUP, ARP, IGMP, SMTP                                                                                                                                 |
| Simultaneous Live View          | Up to 10 channels                                                                                                                                                                                                                              |
| API                             | ISAPI, SDK, ISUP, ONVIF (PROFILE S, PROFILE G, PROFILE T, PROFILE M)                                                                                                                                                                           |
| User/Host                       | Up to 16 users, 3 user levels: administrator, operator, and user                                                                                                                                                                               |

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Security                                  | Password protection, Complicated password, HTTPS encryption, Control timeout settings, 802.1X authentication (EAP-PEAP, EAP-LEAP, EAP-MD5), Basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network Storage                           | Micro SD/TF card (512 GB), Local storage, CVR, NVR, ANR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Client                                    | Hik-Central Master, Hik-Central Pro, HikCentral Master Lite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Web Browser                               | Chrome V61+, IE9 to IE11, Firefox V40+, Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Image</b>                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Image Settings                            | Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Day/Night Switch                          | Auto, Schedule, Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SNR                                       | 60 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Image Enhancement                         | BLC, 3D DNR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Interface</b>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Ethernet Interface                        | 2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| On-Board Storage                          | Built-in memory card slot, supporting microSD/SDHC/SDXC card, up to 512 GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alarm                                     | 2 input interfaces (T1, SYNC), 7 output interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RS-485                                    | 3 RS-485 interfaces (half duplex, HIKVISION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RS-232                                    | 1 RS-232 interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| USB                                       | 1 USB 2.0 interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Event</b>                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Basic Event                               | HDD error, Network disconnected, IP address conflict, traffic light detector exception                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Road Traffic and Vehicle Detection</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Coverage                                  | Up to 3 lane(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Smart Function                            | License plate recognition, Vehicle type classification, Vehicle color recognition, No-plate vehicle capture, Moving direction detection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| LPR Countries/Regions                     | <p>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,</p> <p>Africa: Nigeria, Kenya, Ivory Coast, South Africa, Tanzania, Mauritius, Morocco, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Senegal, Algeria,</p> <p>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,</p> <p>America: Canada, Argentina, Chile, Paraguay, Uruguay, El Salvador, Bolivia, Colombia, Brazil, Ecuador, Peru, Mexico, Panama, Costa Rica, Trinidad and Tobago, the Dominican Republic, Guatemala,</p> <p>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,</p> <p>Russian-Speaking Regions: Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russia, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia, Turkmenistan, Tajikistan</p> |

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|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trigger Mode                                                      | External I/O trigger/Radar trigger/Video trigger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Vehicle Type                                                      | Car, Van, Bus, Truck, Light Truck, SUV(MPV), Pickup, Motorcycle, Tricycle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Accuracy (Under recommended installation and lighting conditions) | Capture rate > 99%,<br>Vehicle moving direction recognition accuracy > 98.5%,<br>LPR accuracy > 98%,<br>Mistaken capture rate < 2%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| No License Plate Detection                                        | Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Motorcycle LPR                                                    | Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Vehicle Color                                                     | Red, yellow, green, blue, pink, purple, cyan, brown, white, grey, black<br>Recognizable at daytime only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vehicle Manufacturer                                              | 212 Manufacturers: AC SCHNITZER, AITO, APOLLO, Ashok Leyland, Audi, Aston Martin, Acura, Ankai, Ayvip, Alfa Romeo, Asiarstar, Artega, ARCFOX, BAIC, Beiben Truck, BLUECAR, Bedford, Benz, BMW, BYD, Bufori, Buick, Bently, Brabus, Bugatti, Borgward, BONLUCK, Besturn, CADILLAC, Celis, Chevrolet, Citroen, Chery, Chrysler, Chang an, CNHTC, CHTC, Caterham, Conquest, C&C Trucks, CAMC, DAIHATSU, DMC, DS, Dacia, Dongnan, Dodge, Dongwo, Denza, Dongfeng, Daewoo, Dima, Denway, DORCEN, Eicher, Emgrand, Equus, EXEED, Ford, FORO, Fornasari, Ferrari, Fuqi, Fiat, Fisker, FQT Motor, Foton, FAW, FORLAND, FUSO, Force Motors, Fxauto, Faralli Mazzanti, GAC, Great Wall, GMC, Geely, Geometry, Hyundai, HENNESSEY, HINO, Honda, Haima, Haval, Hongqi, Isuzu, Infiniti, Iveco, IAT, IM, JAC, JBC, JEEP, Jaguar, JMC, JETOUR, JETTA, Joylong, Koenigsegg, KIA, Kia-Borrego, King Long, Kama, KTM, LEVC, Lexus, Land Rover, Lincoln, Lamborghini, Lotus, Luxgen, Levdeo, Leopaard, Lynk & Co, Lada, Leading Ideal, LEAPMOTOR, LUMMA, Lorinser, Land Wind, MAN Trucks, MAXUS, MG, MINI, Mahindra, Mitsuoka, Maserati, Meiya, McLaren, Maybach, Mazda, Morgan, Mitsubishi, Mustang, Marvel R, Maple, MANSORY, Modern, NOMA, Nissan, Norinco, Neoplan, NIO, NETA, Opel, Ora, Oushang, Perodua, Porsche, Peugeot, PGO, Proton, Pagani, Polestar, POCCO, Qoros, RAM, Rolls-Royce, Renault, Roewe, Rohens, Ranz, Ruilan, Radar, Renault Samsung, SAAB, SCANIA, SCION, SMART, SML ISUZU, Suzuki, SAIC Datong, Subaru, Skoda, Startek, Soyat, Seat, SWM, Sany, SsangYong, Sojen, Silver, SATE, SOL, Skyworth, SGMW, SITECH DEV, TATA, Tankar, Tesla, Trumpchi, Techart, Toyota, UD, UAES, Volkswagen, VINFAST, Venucia, Volvo, VOYAH, Veiculolongo, Weltmeister, XCMG, Xinyuan, XPENG, Yutong, YAMAHA, Zhonghua, Zotye, Zhinuo, ZEEKR, Zenvo |
| License Plate Color Recognition                                   | Customized to support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| U-Turn                                                            | Supported (only E-Police mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Red Light Running                                                 | Supported (only E-Police mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Failing to Yield for Pedestrians                                  | Supported (only E-Police mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Stop Vehicle on Intersection                                      | Supported (only E-Police mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Yellow Box Junction Violation                                     | Supported (only E-Police mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Not Following Directional Sign                                    | Supported (only E-Police mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Driving on Lane Line Detection                                    | Supported (only strobe light mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lane Change Detection                                             | Supported (only strobe light mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Seatbelt Detection                                                | Supported (with flash supplement light)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Phone Call Detection                                              | Supported (with flash supplement light)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Vehicle Window Film                                               | Supported (with flash supplement light)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Wrong-Way Driving Detection                                       | Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                            |                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Emergency Lane Occupation  | Supported (truck forbidden lane, emergency lane, urban bus lane)                                                                       |
| Prohibition Mark Violation | Supported                                                                                                                              |
| Speeding                   | Supported (with Radar)                                                                                                                 |
| Low-Speed                  | Supported (with Radar)                                                                                                                 |
| Without Helmet             | Supported                                                                                                                              |
| Manned Non-Motor Vehicle   | Supported                                                                                                                              |
| Capture Speed Range        | 10 to 320 km/h                                                                                                                         |
| <b>General</b>             |                                                                                                                                        |
| Operating System           | Linux                                                                                                                                  |
| Power                      | AC 100 V to 240 V, 2.9 A, max. 32 W, 3-core terminal block, DC 24 model: DC 24 V, 2 A, max. 47 W, 2-core terminal block                |
| Material                   | Aluminum alloy                                                                                                                         |
| Dimension                  | 501.0 mm × 175.6 mm × 144.6 mm (19.72" × 6.92" × 5.69") (L × W × H)                                                                    |
| Package Dimension          | 667 mm × 357 mm × 224 mm (26.26" × 14.06" × 8.82") (L × W × H)                                                                         |
| Weight                     | Approx. 5.13 kg (11.31 lb.)                                                                                                            |
| With Package Weight        | Approx. 7.40 kg (16.31 lb.)                                                                                                            |
| Operating Condition        | -30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)                                                                |
| Storage Condition          | -30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)                                                                |
| General Function           | Password protection, Three streams, Heartbeat, One-key reset, Pixel counter                                                            |
| Heater                     | Optional                                                                                                                               |
| Language                   | 8 languages: English, Thai, Croatian, Korean, Russian, Traditional Chinese, Ukrainian, Spanish                                         |
| <b>Approval</b>            |                                                                                                                                        |
| 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                     | CB: IEC 62368-1: 2014, CE-LVD: EN 62368-1: 2014+A11: 2017, CB: IEC 62368-1: 2018, CE-LVD: EN 62368-1: 2020+A11: 2020                   |
| Environment                | CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006                                                             |
| Protection                 | IK10: IEC 62262:2002, IP67: IEC 60529-2013                                                                                             |
| Anti-Corrosion Protection  | -Y: NEMA 4X (NEMA 250-2018)                                                                                                            |

## ▪ Typical Application

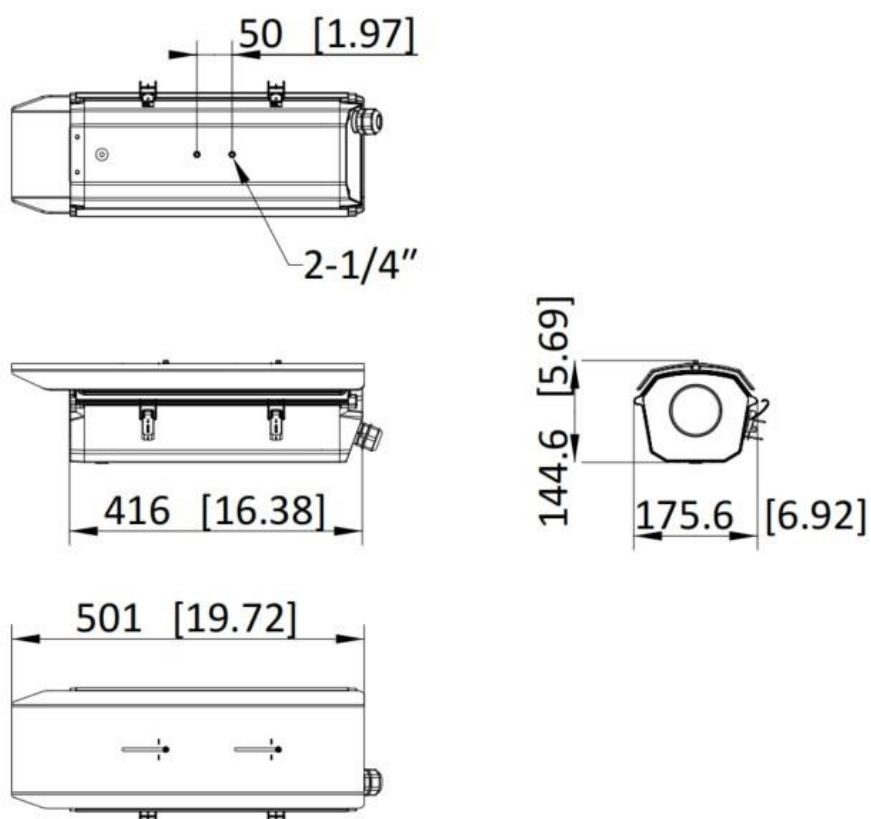
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

/Y model: This model has MODERATE PROTECTION.

Without /Y model: 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.                                                                                                                                  |

▪ Dimension



L× W× H:501mm× 175.6mm× 144.6mm(19.72× 6.92× 5.69)

| Camera Mounting Hole[mm] | Camera Mounting Hole[inch] | Unit: mm [inch] |     |
|--------------------------|----------------------------|-----------------|-----|
| 2-6.35                   | 2-1/4"                     | SCALE           | 1:1 |

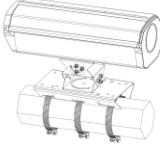
- Accessory
- Included



- Optional

| DS-1275ZJ/HWB                                                                      | DS-1278ZJ-HWB                                                                      | DS-1701ZJ/HKB                                                                       |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |

- Installation Methods

| Vertical Pole Mounting<br>DS-1275ZJ/HWB                                             | Horizontal Pole Mounting<br>DS-1278ZJ-HWB                                           | Wall Mounting<br>DS-1701ZJ/HKB                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |

# See Far, Go Further



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