

VNE-DS-TMC03-BIG/VIE 8 MP High Performance IR ANPR Bullet Camera



- High quality imaging with 8 MP resolution (1/1.8" CMOS)
- Maximum resolution: 3840×2160@60 fps.
- Clear imaging against strong back light due to 140 dB WDR technology
- Built-in ANPR engine, equipped with AI algorithm
- Efficient H.265+ compression technology to save bandwidth and storage
- Water and dust resistant (IP67) and vandal proof (IK10)

• Specification

Camera	
Image Sensor	1/1.8" progressive scan CMOS
Max. Resolution	3840×2160, 3072×2028
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/25 s to 1/100,000 s
Day & Night	IR cut filter
Lens	
Focus	Auto
Iris Type	DC-IRIS
Aperture	11-55 mm: F1.7
Illuminator	
Built-in Supplement Light Type	IR light
Supplement Light Number	3
Built-in Supplement Light Range	Up to 50 m
IR Wavelength	850 nm
Video	
Main Stream	60 Hz: 60 fps (3840 × 2160, 3072×2028, 2688 × 1520, 1920 × 1080, 1280 × 760, 704 × 576, 352 × 288)
Sub-Stream	60 Hz: 60 fps (1920 × 1080, 1280 × 760, 704 × 576, 352 × 288)
Third Stream	60 Hz: 60 fps (1280 × 760, 704 × 576, 352 × 288)
Video Compression	H.264 and H.265 encoding Main stream: H.265/H.264/MJPEG Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline profile/Main profile/High profile
H.265 Type	Main profile
Audio	
Audio Compression	G.711/G.722.1
Audio Bit Rate	8 Kbps (G.711) /16 Kbps (G.722.1)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IGMP, QoS, IPv4/IPv6, UDP, SSL/TLS, ISUP, ARP, 802.1X
Simultaneous Live View	Up to 6 channels
API	ISAPI, SDK, ISUP, ONVIF (PROFILE S, PROFILE G, PROFILE T, PROFILE M)
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), Watermark, IP address filter, Basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, Control timeout settings, Security audit log, TLS 1.2, 1.3, Host authentication (MAC address)

Network Storage	Micro SD/TF card (512 GB), local storage and CVR, NVR, ANR
Client	Hik-Central Master, Hik-Central Pro
Web Browser	Chrome V61+, IE9 to IE11, Firefox V41+, Edge

Image

Image Settings	Saturation, Brightness, Contrast, Gain, Sharpness, White balance, AGC, Adjustable by client software or web browser.
Day/Night Switch	Auto/Scheduled/Manual
Wide Dynamic Range (WDR)	140 dB
Image Enhancement	BLC, 3D DNR

Interface

Ethernet Interface	1 RJ-45 10 M/100 M/1000 M Ethernet interface
On-Board Storage	Built-in memory card slot, supporting micro SD/SDHC/SDXC card, up to 512 GB
Audio	1 audio in interface, 1 audio out interface
Alarm	1 input interface, 1 output interface, 2 relays
RS-485	1 RS-485 interface
Wiegand	1 Wiegand (Card ID 26 bit, SHA-1 26 bit, Hik 34 bit)

Event

Basic Event	HDD Error, Network Disconnected, IP Address Conflicted, Vehicle Detector Exception, Traffic Light Detector Exception
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Road Traffic and Vehicle Detection

Vehicle Detection Coverage	Up to 3 lane(s)
Smart Function	Traffic flow detection: traffic flow, queuing length, traffic status, and average speed, Incident detection: congestion, stopped vehicle, lane change, wrong-way driving, Intersection accident, reverse driving Up to 3 lanes
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
Motorcycle Helmet Detection	Supported
Motorcycle Passenger counting	Supported
Vehicle Type	Car, Van, Bus, Truck, Light Truck, SUV(MPV), Pickup, Motorcycle, Tricycle
Vehicle Color	Red, yellow, green, blue, pink, purple, cyan, brown, white, grey, black Recognizable at daytime only.
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
Capture Speed Range	0 to 180 km/h
Blocklist and Allowlist	Max. 50000 records

General

Operating System	Linux
Power	DC 12 V to 24 V, 1.25 A, max. 15 W, two-core terminal block, PoE: 802.3at, Type 2, Class 4, max. 15 W
Digital Defog	Supported
Material	Aluminum alloy
Dimension	428.5 mm × 120 mm × 132.8 mm (16.9" × 4.72" × 5.2") (L × W × H)
Package Dimension	595 mm × 259 mm × 193 mm (23.4" × 10.2" × 7.6") (L × W × H)
Weight	Approx. 2.975 kg (6.56 lb.)
With Package Weight	Approx. 4.385 kg (9.67 lb.)
Operating Condition	-30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
Storage Condition	-30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
General Function	One-key reset, three streams, heartbeat, password protection, watermark
Language	9 languages: English, Thai, Croatian, Korean, Russian, Traditional Chinese, Ukrainian, Spanish, Vietnamese

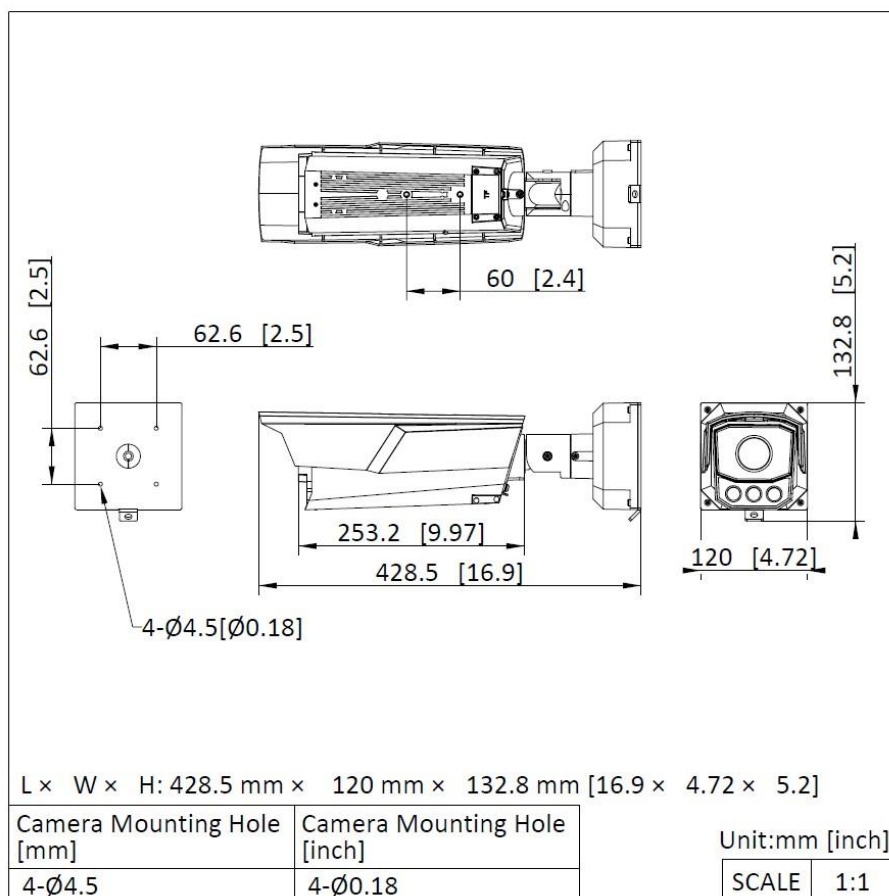
Approval

RF	EN 301 489-1 V2.2.3, EN 301 489-3 V2.3.2, EN 301 489-19 V2.2.1, EN 301 489-52 V1.2.1, EN 301 511 V12.5.1, EN 301 908-2 V13.1.1, EN 301 908-1 V15.2.1, EN 301 908-13 V13.2.1, EN 303 413 V1.2.1, EN IEC 62311:2020
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+A11, CB: IEC 62368-1: 2018+A11, CE-LVD: EN 62368-1: 2014/A11: 2017
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

▪ Available Model

VNE-DS-TMC03-BIG/VIE

• Dimension



• Accessory

• Optional

DS-1275ZJ-BJH/600 mm Hoop & Bracket	DS-1275ZJ-BJH/127 mm Hoop & Bracket	DS-1701ZJ/BJH Hoop & Bracket	DS-1232ZJ-T/BJH Cardan Joint	DS-1278ZJ-BJH Hoop & Bracket
				

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