

iDS-MI3704-H Mobile Separated ANPR System



- Support vehicle capture and driving video
- Equipped with RS485, RS232, line out, USB, RJ45 and CAN bus interfaces
- The camera and peripherals are connected through molex connectors, ensuring a stable and reliable connection
- Supports internal storage and 1 additional memory card slot
- Support 4G and WiFi wireless modules to meet network transmission needs during mobile operations.
- The metal shell of the camera have IP67 level protection, and have good adaptability to the working environment of the vehicle
- Built-in GPS high sensitivity satellite module, supporting global 24 time zone satellite synchronization and timing, and synchronously encapsulating positioning information into the video stream
- Wide range power input (DC 9 to 32 V), meeting the electrical characteristics requirements of motorcycle

• Specification

Camera	
Max. Resolution	1920 × 1080
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F2.0, AGC ON)
Shutter Time	1/25 s to 1/20000 s
Lens	
Focal Length & FOV	4 mm, horizontal FOV 91°, vertical FOV 75°, diagonal FOV /°
Focus	Fixed
Iris Type	Fixed iris
Aperture	Max. F2.0
Illuminator	
Built-in Supplement Light Type	White light
Light Bead	4
Built-in Supplement Light Range	Up to 8 m
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 576, 352 × 288)
Sub Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 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	Main Profile, Baseline Profile, High Profile
H.265 Type	Main Profile
Network	
Protocols	TCP/IP, HTTP, FTP, DHCP, DNS, RTP, RTSP, NTP, ISUP
Wireless (Wi-Fi)	
Encryption Mode	WPA-PSK/WPA2-PSK
Wi-Fi Protocol	802.11b, 802.11n, 802.11g
Frequency Range	2.4 GHz to 2.4385 GHz
Channel Bandwidth	20/40 MHz
Modulation	802.11b: QPSK, BPSK, 16QAM, 64QAM, 802.11g: CCK, QPSK, BPSK, 802.11n: QPSK, BPSK, 16QAM, 64QAM
Transfer Rate	11n: up to 300 Mbps, 11b: up to 300 Mbps
Wireless Range	Up to 120 m (The performance varies based on actual environment.)
Antenna	1 antenna(s)

Wireless (Mobile Communication)

Frequency	EU: LTE FDD: Band 1/3/5/8 LTE TDD: Band 38/39/40/41 WCDMA/HSPA+: Band 1/8 TD-SCDMA: Band 34/39 GSM/GPRS/EDGE: 900/1800 MHz LA: LTE-FDD: Band 1/2/3/4/5/7/8/12/17/28/66 LTE-TDD: Band 38/40 WCDMA: Band 1/2/3/4/5/8 GSM: 850/900/1800/1900 MHz
Standard	LTE-TDD, LTE-FDD, TD-SCDMA, EVDO, EDGE, GPRS, GSM, CDMA
SIM Card Type	Nano SIM

Supplement Detection (Satellite Positioning)

Satellite Positioning	GPS
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Interface

Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)
On-Board Storage	Built-in memory card slot, supporting micro SD/SDHC/SDXC card, up to 512 GB
Audio	1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω , interface type: non-equilibrium
Alarm	1 input(s), 1 output(s)
RS-485	1 RS-485
RS-232	1 RS-232
USB	1 USB 2.0 interface(s)
Power Output	5 VDC, max. 2 A

Road Traffic and Vehicle Detection

Trigger Mode	Video trigger
Smart Function	License plate recognition

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 > 98%, Vehicle moving direction recognition accuracy > 98%, LPR accuracy > 98%, Mistaken capture rate < 2%
Blocklist and Allowlist	Max. 200000 records
General	
Operating System	Linux
Power	DC 9 V to 36 V, 2.5 A, max. 22.5 W
Material	Camera: aluminum alloy, Host: aluminum alloy
Dimension	Camera: Ø 38 mm × 59.3 mm (Ø 1.49" × 2.33"), Host: 170 mm × 100 mm × 39.5 mm (6.69" × 3.94" × 1.56") (L × W × H);
Package Dimension	374 mm × 345 mm × 90 mm (14.72" × 13.6" × 3.54") (L × W × H)
Weight	Host: Approx. 0.58 kg (1.28 lb.); Camera: Approx. 0.14 kg (0.31 lb.)
With Package Weight	Approx. 1.82 kg (4.0 lb.)
Operating Condition	- 30 °C to 70 °C (- 22 °F to 158 °F). Humidity 95% or less (non-condensing)
Storage Condition	- 30 °C to 60 °C (- 22 °F to 140 °F). Humidity 95% or less (non-condensing)
General Function	Heartbeat, password protection, NTP time adjustment
Language	English
Approval	
RF	CE-RED: EN 301489-1 V2.2.3, EN 301489-3 V2.1.1, EN 301489-17 V3.2.4, EN 301489-52 V1.2.1, EN 300440 V2.1.1, EN 302288-2 V1.6.1
EMC	CE-EMC: EN 55032: 2015/A11: 2020 + A1:2020, EN IEC61000-3-2: 2019/A1: 2021, EN 61000-3-3: 2013 + A1: 2019/A2: 2021, EN 50130-4: 2011 + A1: 2014
Safety	

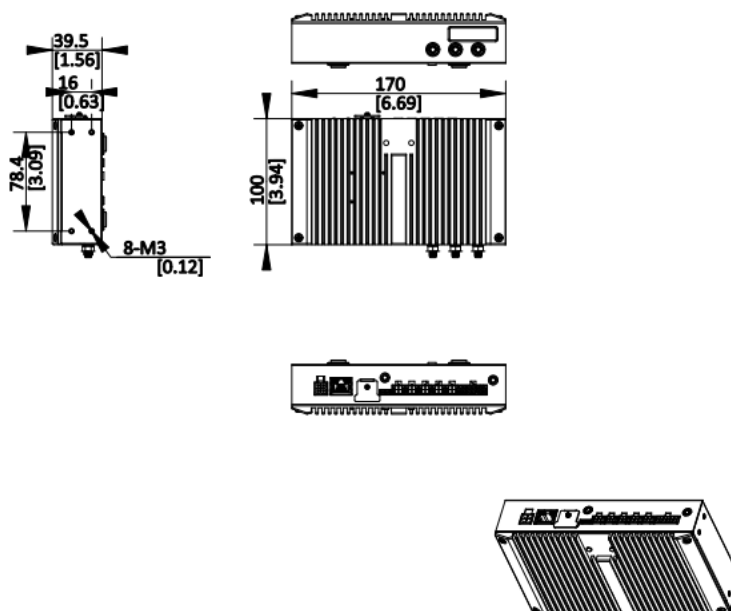
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013 (only for camera)

▪ Available Model

iDS-MI3704-H/2/G(LA-kit)

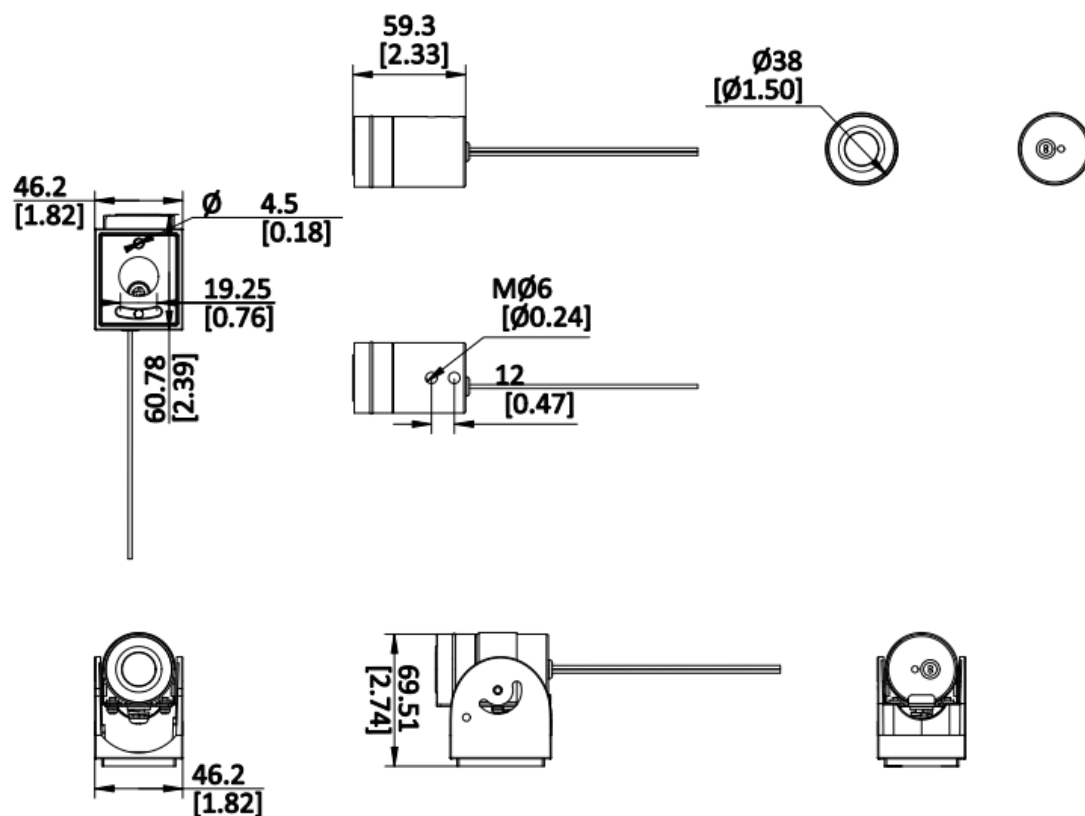
iDS-MI3704-H/2/G(EU-kit)

▪ Dimension



L × W × H: 170mm × 100mm × 39.5 mm (6.69 × 3.94 × 1.56)

Camera Mounting Hole[mm]	Camera Mounting Hole[inch]	Unit: mm [inch]	
8-M3	8-M0.12	SCALE	1:1



L × W × H: 60.78 mm × 46.2mm × 69.51 mm (2.39 × 1.82 × 2.74)

Camera Mounting Hole[mm]	Camera Mounting Hole[inch]
2-M6	2-M0.24

Unit: mm [inch]

SCALE 1:1

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