

**DS-TMC200-E1  
2MP ANPR Kit**

- Capture and display are integrated: capture results can be displayed in real time
- High definition: 2 million pixel high-definition camera, resolution: 1920\*1200, frame rate: 25fps.
- High integration: built-in 2 LED fill light, set camera, shield, LED fill light, lens, power adapter in one
- Easy debugging: using 3.1-6 mm electric zoom lens, support software automatic focusing, more convenient debugging, strong scene adaptability
- Multiple trigger modes: support coil trigger, video trigger, radar trigger, coil combined with video trigger and other trigger modes;
- Display font: supports small language display, including Thai, Vietnamese, and English;
- Built-in voice module: pre-recorded voice broadcast can be supported through the capture machine

## ▪ Specification

| Camera                  |                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor Type             | 1/3" Progressive Scan CMOS                                                                                                                                                                                          |
| Max. Resolution         | 1920 × 1200                                                                                                                                                                                                         |
| Min. Illumination       | Color: 0.04Lux@(F2.0, AGC ON)<br>B/W: 0.02Lux@(F2.0, AGC ON)                                                                                                                                                        |
| Shutter                 | 1/30 s to 1/100,000 s                                                                                                                                                                                               |
| Day/Night Switch        | Supported                                                                                                                                                                                                           |
| IR Cut Filter           | IR cut filter<br>Blue glass module to reduce ghost phenomenon                                                                                                                                                       |
| Lens                    |                                                                                                                                                                                                                     |
| Lens Type               | 3.1 to 6 mm                                                                                                                                                                                                         |
| Aperture                | 3.1 to 6 mm: F1.9                                                                                                                                                                                                   |
| Focal Length & FoV      | 3.1 to 6 mm, horizontal FoV: 105.5° to 51.4°, vertical FoV: 55.9° to 28.9°, diagonal FoV: 126.9° to 59.2°                                                                                                           |
| Focus                   | Auto, Vari-focal lens, motor-driven lens                                                                                                                                                                            |
| Supplement Light        |                                                                                                                                                                                                                     |
| Supplement Light Type   | Warm White Light                                                                                                                                                                                                    |
| Band/Color Temperature  | Warm White Light 3000 K                                                                                                                                                                                             |
| Supplement Light Range  | Video:<br>3.1 mm to 6 mm: 10 m<br>Vehicle License Plate:<br>3.1 mm to 6 mm: 5 m                                                                                                                                     |
| Image                   |                                                                                                                                                                                                                     |
| WDR                     | 140 dB                                                                                                                                                                                                              |
| Main Stream             | 50 Hz: 25 fps (1920*1200P、1920*1080P、1280*720P、704*576、352*288)                                                                                                                                                     |
| Sub-Stream              | 50 Hz: 25 fps (1920*1080P、1280*720P、704*576、352*288)                                                                                                                                                                |
| Image Settings          | Saturation: 0 to 100<br>Brightness: 0 to 100<br>Contrast: 0 to 100<br>Gain: 0 to 100<br>3D DNR: Off, Normal, and Expert modes are selectable.<br>White balance: White Balance 1 and White Balance 2 are selectable. |
| Image Parameters Switch | Yes                                                                                                                                                                                                                 |
| WDR Switch              | On, Time, Brightness                                                                                                                                                                                                |
| Frame Rate              | 25 fps (P)                                                                                                                                                                                                          |
| Video                   |                                                                                                                                                                                                                     |
| ROI                     | 8 regions respectively for main stream and sub-stream, 6 levels for each region.                                                                                                                                    |
| Video Compression       | Main stream: H.265/H.264/MJPEG,<br>Sub-stream: H.265/H.264/MJPEG,                                                                                                                                                   |
| H.264 Type              | Low profile<br>Medium profile<br>High Profile                                                                                                                                                                       |
| Video Bit Rate          | 32 Kbps to 16 Mbps                                                                                                                                                                                                  |

|                                           |                                                                                                                                                                                                                                                                                        |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bit Rate Type                             | Constant, Variable                                                                                                                                                                                                                                                                     |
| Scalable Video Coding (SVC)               | MJPEG , H.265 and H.264 encoding                                                                                                                                                                                                                                                       |
| <b>Capture Mode</b>                       |                                                                                                                                                                                                                                                                                        |
| Trigger Type                              | Video Detection, I/O Coil, Radar Mixed Traffic                                                                                                                                                                                                                                         |
| Picture Type                              | Scene Picture, Scene Picture + Close-up Picture                                                                                                                                                                                                                                        |
| Scene Mode                                | Entrance & Exit Toll Gate, Underground Parking Entrance & Exit                                                                                                                                                                                                                         |
| Capture Type                              | Continue Light Mode                                                                                                                                                                                                                                                                    |
| <b>Capture Parameters</b>                 |                                                                                                                                                                                                                                                                                        |
| Image Format                              | JPEG                                                                                                                                                                                                                                                                                   |
| Capture Resolution                        | 1920 × 1200                                                                                                                                                                                                                                                                            |
| License Plate Recognition                 | Forward, Backward, Bidirection                                                                                                                                                                                                                                                         |
| Fake Plate Filter                         | Yes                                                                                                                                                                                                                                                                                    |
| Smart Recognition                         | ANPR, Motor Vehicle Feature, Vehicle Color Recognition, Enable Vehicle Manufacturer Recognition                                                                                                                                                                                        |
| Capture Picture Overlay                   | Location, Capture Time, Plate Number, Capture No., Vehicle Color Vehicle Type                                                                                                                                                                                                          |
| <b>Entrance and Exit</b>                  |                                                                                                                                                                                                                                                                                        |
| Barrier Gate Control Mode                 | By Camera/Platform                                                                                                                                                                                                                                                                     |
| Keep Boom Pole Open for Following Vehicle | Enable/Disable                                                                                                                                                                                                                                                                         |
| Lock Barrier Gate for Large-Sized Vehicle | Yes                                                                                                                                                                                                                                                                                    |
| Relay Output                              | 1-ch relay output                                                                                                                                                                                                                                                                      |
| Barrier Gate Status                       | None, Barrier Gate Close In Place, Barrier Gate Open In Place, Remote Control Open In Place                                                                                                                                                                                            |
| Allowlist and Blocklist                   | Up to 100,000 allowlist and blocklist totally                                                                                                                                                                                                                                          |
| <b>Network</b>                            |                                                                                                                                                                                                                                                                                        |
| Network Storage                           | health detection are supported.                                                                                                                                                                                                                                                        |
| Protocol                                  | TCP/IP, HTTP, HTTPS, FTP Upload Picture, SRTP, DHCP, DNS, DDNS, RTSP, NTP, SNMP, IGMP, QoS, IPv6, UDP, SSL/TLS, WebSocket                                                                                                                                                              |
| API                                       | Open Network Video Interface , ISAPI, SDK, ISUP, Otap, Guarding Vision Platform                                                                                                                                                                                                        |
| Client                                    | Hik-Connect, Hik-Central Pro,PMS                                                                                                                                                                                                                                                       |
| Web Browser                               | Plug-in required live view: IE10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+                                                                                                                                           |
| Security                                  | Password protection, complicated password, HTTPS encryption, watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 |
| <b>Display Screen</b>                     |                                                                                                                                                                                                                                                                                        |
| Pixel Pitch                               | P4                                                                                                                                                                                                                                                                                     |
| Resolution                                | 64*32                                                                                                                                                                                                                                                                                  |
| Screen Type                               | LED                                                                                                                                                                                                                                                                                    |
| Display Color                             | Red,Green,Yellow                                                                                                                                                                                                                                                                       |
| Number of Module                          | 1                                                                                                                                                                                                                                                                                      |
| Viewing Angle                             | 110° (H) / 110° (V)                                                                                                                                                                                                                                                                    |
| Color Temperature                         | 3000k to 6000k                                                                                                                                                                                                                                                                         |
| Brightness Uniformity                     | ≥95%                                                                                                                                                                                                                                                                                   |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color Uniformity         | ≥95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Luminance                | 1000cd/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Scanning Mode            | 1/8Scan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Communication Mode       | RS485,TCP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Interface</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Audio                    | 1 input (line in), 1 output (line out)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Alarm Input              | 2-ch triggered inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Alarm Output             | 1-ch Relayout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Network Interface        | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Smart Function</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LPR Accuracy             | Capture rate > 98%<br>Vehicle moving direction recognition accuracy > 98.5%<br>LPR accuracy > 98%<br>Mistaken capture rate < 2%<br>European and Russian-Speaking Regions:<br>LPR accuracy > 98%<br>Country/Region recognition accuracy > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Vehicle Type Recognition | Car/Van/Bus/Truck/Light Truck/SUV_MPV/Pickup/Pedestrian/Motorcycle/Tricycle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Vehicle Color            | Red, Yellow (including orange, golden), Green, Cyan, Blue, Purple, Pink, Brown, White, Gray (including silver), Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Vehicle Brand            | 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 |

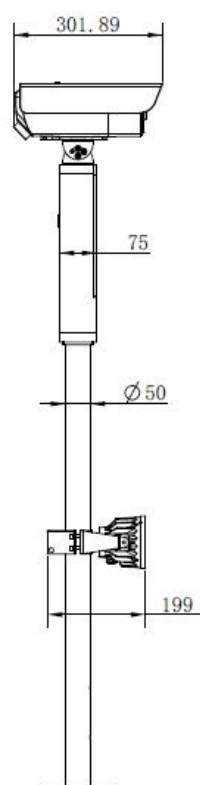
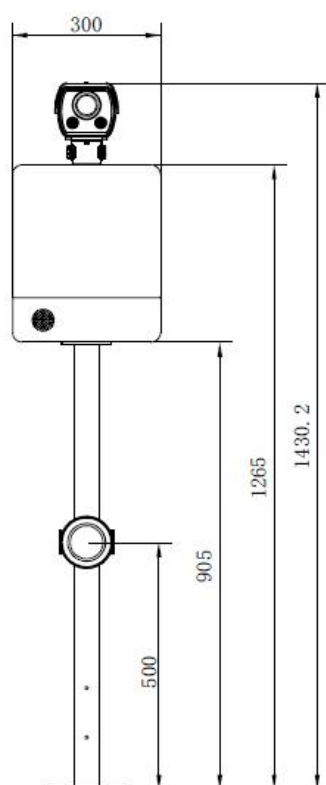
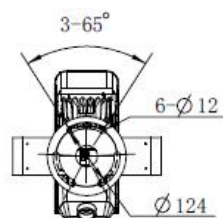
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| ANPR Supported Country/Region    | <p>Middle East:<br/>The United Arab Emirates (Abu Dhabi, Ajman, Dubai, Fujairah, Ras Al Khaimah, Sharjah and Umm Al Quwain), Qatar, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia, Pakistan, Oman, Lebanon, Bahrain</p> <p>Africa:<br/>Nigeria, Kenya, Ivory Coast, South Africa, Tanzania, Mauritius, Morocco, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Senegal, Algeria</p> <p>Asia-Pacific:<br/>Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, the Philippines, Taiwan, Myanmar, India, Mongolia, Cambodia, Laos, Bangladesh, Nepal, Sri Lanka</p> <p>America:<br/>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:<br/>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, Serbia, Romania, Montenegro, Denmark, Finland, Sweden, Slovenia, Portugal, Malta, Cyprus, Iceland, Liechtenstein, Bosnia and Herzegovina</p> <p>Russian-Speaking Regions:<br/>Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russia, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia, Turkmenistan, Tajikistan</p> |
| <b>General</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Working Temperature & Humidity   | -20°C to 65°C (-4°F to 149°F)<br>90% or less (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Power Supply                     | AC 100-240V, 50Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Weight                           | 7.435 kg (16.39 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Weight (with Package)            | 15.405 kg (33.96 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dimensions (with Package)        | 835 × 597 × 240 mm (32.87 × 23.5 × 9.45 inch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage Conditions               | Temperature: -20 °C to 70 °C (- 4°F to 158 °F)<br>Humidity: 95% (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Startup and Operating Conditions | Temperature: -30 °C to 70 °C (-22 °F to 158 °F)<br>Humidity: 95% (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Language                         | 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>External Light</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| External Light Type              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| External Light Distance          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Number of Light Beads            | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Irritation Angle                 | 60°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Band/Color Temperature           | 3000K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

▪ **Available Model**

DS-TMC200-E1/3106

DS-TMC200-E1(I)/3106

▪ **Dimension**



# See Far, Go Further



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