DS-2XM6222G0-I(D)(M)(/ND)
2 MP Mobile Network Camera

- High quality imaging with 2 MP resolution
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67)
- Easy installation with Power over Ethernet (PoE) technology
- Advanced streaming technology that enables smooth live view and data self-correcting in poor network
- 3D DNR technology delivers clean and sharp images
### Specification

<table>
<thead>
<tr>
<th>Camera</th>
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<tbody>
<tr>
<td>Image Sensor</td>
<td>1/2.8” Progressive Scan CMOS</td>
</tr>
</tbody>
</table>
| Min. Illumination | Color: 0.018 lux @ (F1.2, AGC ON)  
B/W: 0.006 lux @ (F1.2, AGC ON), 0 lux with IR |
| Shutter Speed | 1 s to 1/100,000 s |
| Slow Shutter | Yes |
| P/N | P/N |
| Wide Dynamic Range | 120dB |
| Day & Night | ICR Cut |
| Angle Adjustment | Pan: -20°-20°, tilt -15°-25° |
| Power-off Memory | Yes |

<table>
<thead>
<tr>
<th>Lens</th>
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</table>
| Lens Type & FOV | 2.8 mm: horizontal FOV 104°, vertical FOV 56°, diagonal FOV 121°  
4 mm: horizontal FOV 77°, vertical FOV 42°, diagonal FOV 91°  
6 mm: horizontal FOV 50°, vertical FOV 27°, diagonal FOV 59° |
| Aperture | 2.8 mm/4 mm: F2.0;  
6 mm: F1.6 |
| Lens Mount | M12 |

<table>
<thead>
<tr>
<th>Illuminator</th>
<th></th>
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<tbody>
<tr>
<td>IR Range</td>
<td>Up to 30 m</td>
</tr>
<tr>
<td>Wavelength</td>
<td>850 nm</td>
</tr>
<tr>
<td>Smart Supplement Light</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Video</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Max. Resolution</td>
<td>1920 x 1080</td>
</tr>
</tbody>
</table>
| Main Stream | 50Hz: 25fps (1920 x 1080, 1280 x 960, 1280 x 720)  
60Hz: 30fps (1920 x 1080, 1280 x 960, 1280 x 720) |
| Sub Stream | 50Hz: 25fps (704 x 576, 640 x 480, 352 x 288, 320 x 240)  
60Hz: 30fps (704 x 576, 640 x 480, 352 x 288, 320 x 240) |
| Third Stream | 50Hz: 25fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576, 640 x 480, 352 x 288, 320 x 240)  
60Hz: 30fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 240, 320 x 240) |
| Fourth Stream | No |
| Fifth Stream | No |
| Custom Stream | No |
| Video Compression | Main Stream: H.265 / H.264  
Sub-Stream: H.265 / H.264 / MJPEG  
Third Stream: H.265 / H.264 |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.265 Type | Main Profile |
| H.264+ | Main Stream supports |
| H.265+ | Main Stream supports |
| Bit Rate Control | CBR/VBR |
| Stream Type | Main Stream/Sub-Stream/Third Stream |
| Scalable Video Coding (SVC) | H.265 and H.264 support |
| Region of Interest (ROI) | 4 fixed regions for each stream, and dynamic face tracking |

<table>
<thead>
<tr>
<th>Network</th>
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<tbody>
<tr>
<td>Simultaneous Live View</td>
<td>Up to 20 channels</td>
</tr>
</tbody>
</table>
### API
- ONVIF (PROFILE S, PROFILE G), ISAPI

### Protocols
- TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP
- UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour

### Smooth Streaming
- Yes

### User/Host
- Up to 32 users
- 3 levels: Administrator, Operator and User

### Security
- Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, 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

### Network Storage
- microSD/SDHC/SDXC card (128 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
- Together with high-end Hikvision memory card, memory card encryption and health detection are supported.

### Client
- iVMS-4200, Hik-Connect, Hik-Central

### Web Browser
- Plug-in required live view: IE8+
- Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+
- Local service: Chrome 41.0+, Firefox 30.0+

### Image
- **Smart IR**
  - The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure.
- **Day/Night Switch**
  - Day, Night, Auto, Schedule
- **Picture Overlay**
  - LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
- **Image Enhancement**
  - BLC, HLC, 3D DNR, Defog, EIS
- **Image Settings**
  - Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
- **SNR**
  - > 50dB
- **Privacy Mask**
  - 4 regions of privacy mask

### Interface
- **On-board Storage**
  - Built-in microSD/SDHC/SDXC slot, up to 128 GB
- **Hardware Reset**
  - Yes
- **Communication Interface**
  - Without -M: 1 RJ45 10M/100M self-adaptive Ethernet port
  - -M: 1 four-core M12 aviation plug

### Smart Feature-Set
- **Smart Event**
  - Line crossing detection, up to 4 lines configurable
  - Intrusion detection, up to 4 regions configurable
  - Region entrance detection, up to 4 regions configurable
  - Region exiting detection, up to 4 regions configurable
  - Unattended baggage detection, up to 4 regions configurable
  - Object removal detection, up to 4 regions configurable
  - Face detection: detects faces and upload images
  - Scene change detection, defocus detection

### Intelligent (Traditional Algorithm)
- **Basic Event**
  - Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), black/white list of license plate

### General
- **Linkage Method**
  - Upload to FTP/NAS/memory card, notify surveillance center, send email
- **Online Upgrade**
  - Yes
- **Dual Backup**
  - Yes
- **Firmware Version**
  - 5.5.85
Web Client Language

- 32 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)

General Function

- Anti-flicker, 5 streams and up to 5 custom streams, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter

Software Reset

- Yes

Startup and Operating Conditions

- -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)

Power Supply

- -ID, -IDM: 24 VDC ± 25%, reverse polarity
- -I/ND, -IM/ND: PoE (802.3af, 36 V to 57 V)

Power Consumption and Current

- -ID, -IDM: 24 VDC, 0.22 A, max. 5.2 W
- -I/ND, -IM/ND: PoE (802.3af, 36 V to 57 V), 0.14 A to 0.09 A, max. 5.2 W

Power Interface

- -I/ND: RJ45 interface, PoE power supply
- -ID: Ø5.5 mm coaxial power plug, DC power supply
- -IDM: two-core Molex connector, DC power supply
- -IM/ND: four-core M12 aviation plug, PoE power supply

Material

- Aluminum alloy

Screw Material

- SUS304

Camera Dimension

- 78.8 × 81.6 × 64 mm (3.1" × 3.2" × 2.5")

Package Dimension

- 174 × 111 × 101 mm (6.9" × 4.4" × 4.0")

Camera Weight

- Approx. 330 g (0.7 lb.)

With Package Weight

- Approx. 500 g (1.1 lb.)

Approval

EMC

- FCC (47 CFR Part 15, Subpart B);
- RCM (AS/NZS CISPR 32: 2015);
- IC (ICES-003: Issue 6, 2016);

Safety

- UL (UL 60950-1);
- CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013);
- CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013);
- LOA (IEC/EN 60950-1)

Environment

- CE-RoHS (2011/65/EU);
- WEEE (2012/19/EU);
- Reach (Regulation (EC) No 1907/2006)

Protection

- IP67 (IEC 60529-2013)

 Automotive and Railway

- EN45545 (EN 45545-2:2013+A1:2015);
- E-MARK (ECE R10)

Available Model

- DS-2XM6222G0-IDM(2.8/4/6 mm), DS-2XM6222G0-ID(2.8/4/6 mm), DS-2XM6222G0-IM/ND(2.8/4/6 mm), DS-2XM6222G0-I/ND(2.8/4/6 mm)
Dimension

Unit: mm (inch)