DS-2XM6365G0-IV(S)(M)(/ND) is a fisheye network camera capable of providing a 360-degree panoramic image of its surveillance scene. The progressive scan CMOS sensor provides high-resolution images of up to 3072 × 2048.

Up to 15 live view display modes, designed for 3 mount types, meet various user preference.

Three independently controlled IR lights offer a range of 15 m and provide good vision in low or even zero-light environment.

- 1/1.8” Progressive Scan CMOS
- Max. 3072 × 2048 @30fps
- Up to 15 live view display modes
- 120 dB WDR
- Up to 15m IR range
- Built-in microphone
- Smart features
  - 6 behavior analyses, and 3 exception detections
- Supports hardware dewarping
- Automotive and Railway:
  - EMARK/EN45545/EN50155-2017/R118
Specifications

<table>
<thead>
<tr>
<th>Camera</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor</td>
<td>1/1.8'' Progressive Scan CMOS</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>0.01 Lux @ (F1.2, AGC ON), 0.001 Lux @ (F1.2, AGC ON)</td>
</tr>
<tr>
<td>Shutter Speed</td>
<td>1 s to 1/100,000 s</td>
</tr>
<tr>
<td>Slow Shutter</td>
<td>Yes</td>
</tr>
<tr>
<td>Day &amp; Night</td>
<td>Double Band-Pass Filter</td>
</tr>
<tr>
<td>Digital Noise Reduction</td>
<td>3D DNR</td>
</tr>
<tr>
<td>WDR</td>
<td>120 dB</td>
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<table>
<thead>
<tr>
<th>Lens</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Focal Length</td>
<td>1.28mm</td>
</tr>
<tr>
<td>Aperture</td>
<td>F2.6</td>
</tr>
<tr>
<td>FOV</td>
<td>Horizontal FOV 180° (wall mount), 360°(ceiling mount)</td>
</tr>
<tr>
<td>Lens Mount</td>
<td>M12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IR</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>IR Range</td>
<td>Up to 15 m IR range, 3 LEDs. Each LED is independently controlled.</td>
</tr>
<tr>
<td>Wavelength</td>
<td>850 nm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compression Standard</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Compression</td>
<td>Main stream: H.265+/H.265/H.264+/H.264</td>
</tr>
<tr>
<td></td>
<td>Sub stream: H.265/H.264/MJPEG</td>
</tr>
<tr>
<td>H.264 Type</td>
<td>Baseline Profile/ Main Profile /High Profile</td>
</tr>
<tr>
<td>H.264+</td>
<td>Main stream supports</td>
</tr>
<tr>
<td>H.265 Type</td>
<td>Main Profile</td>
</tr>
<tr>
<td>H.265+</td>
<td>Main stream supports</td>
</tr>
<tr>
<td>Video Bit Rate</td>
<td>Feature-set Region of Interest</td>
</tr>
<tr>
<td>SVC</td>
<td>H.265 and H.264 support</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Smart Feature-set</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Behavior Analysis</td>
<td>Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection</td>
</tr>
<tr>
<td>Exception Detection</td>
<td>Audio exception detection</td>
</tr>
<tr>
<td>Region of Interest</td>
<td>4 fixed regions for main stream</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Image</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Resolution</td>
<td>3072 x 2048</td>
</tr>
<tr>
<td>Main Stream</td>
<td></td>
</tr>
<tr>
<td>Max. Frame Rate</td>
<td>50Hz: 25fps (3072 x 2048, 2048 x 2048, 1280 x 1280)</td>
</tr>
<tr>
<td></td>
<td>60Hz: 30fps (3072 x 2048, 2048 x 2048, 1280 x 1280)</td>
</tr>
<tr>
<td>Sub Stream</td>
<td></td>
</tr>
<tr>
<td>Max. Frame Rate</td>
<td>50Hz: 25fps (720 x 720)</td>
</tr>
<tr>
<td></td>
<td>60Hz: 30fps (720 x 720)</td>
</tr>
<tr>
<td>Image Enhancement</td>
<td>BLC, HLC, defog, 3D DNR</td>
</tr>
<tr>
<td>Image Setting</td>
<td>Saturation, brightness, contrast, sharpness, AGC and white balance are adjustable by client software or web browser</td>
</tr>
<tr>
<td>Day/Night Switch</td>
<td>Day/Night/Auto/Schedule/Triggered by Alarm In (-S)</td>
</tr>
<tr>
<td>Picture Overlay</td>
<td>LOGO picture can be overlaid on video with 128 x 128 24bit bmp format</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Live View Display</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mount Type</td>
<td>Support table, wall, and ceiling mounting</td>
</tr>
</tbody>
</table>
### Decoding Mode
Support hardware decoding and software decoding

### Display Mode
- **16 display modes in total**
  - Software decoding:
    - Ceiling mount: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 2PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8 PTZ, half sphere
    - Wall mount: fisheye view, panorama view, panorama + 3PTZ, panorama + 8PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8 PTZ
- **Hardware decoding**:
  - Ceiling mount: fisheye view, 180 panorama view, panorama view, 4PTZ, fisheye + 3PTZ
  - Wall mount: fisheye view, 180 panorama view, panorama view, 4PTZ, fisheye + 3PTZ

### Audio (-S)
- **Environment Noise Filtering**: Yes
- **Audio Sampling Rate**: 8 kHz/16 kHz
- **Audio Compression (-S)**: G.711/G.722.1/G.726/MP2L2/PCM
- **Audio Bit Rate (-S)**: 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)

### Network
- **Network Storage**: Support Micro SD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR
- **Alarm Trigger**: Motion detection, video tampering alarm, network disconnected, IP address conflicted, illegal login, HDD full, HDD error
- **Protocols**: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTSP, RTP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
- **Security Measure**: Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF
- **General Function**: One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
- **Firmware Version**: 5.5.73
- **API**: ONVIF (PROFILE S, PROFILE G), ISAPI
- **Simultaneous Live View**: Up to 20 channels
- **User/Host**: Up to 32 users. 3 user levels, administrator, operator and user
- **Client**: iVMS-4200, iVMS-4500, Hik-Connect, iVMS-5200
- **Web Browser**: IE8+, Chrome31.0-44, Firefox 30.0-51, Safari8.0+

### Interface
- **Communication Interface**: Without –M: 1 RJ45 10M/100M/1000M self-adaptive Ethernet port
  - With -M: four-core M12 aviation plug
- **Audio (-S)**: 1 Audio input (line in, 3.81 mm), 1 audio output (line out, 3.81 mm); 2 Built-in microphones
- **Alarm (-S)**: 1-ch alarm input, max. 12 VDC; 1-ch alarm output, max 12 VDC, 30 mA
- **On-board storage**: Built-in micro SD/SDHC/SDXC slot, up to 256 GB
- **Reset Button**: Yes

### General
- **Operating Conditions**: -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)
- **Power Supply**: 12 VDC ± 20%, PoE (802.3af, class 3), two-core terminal block
  - /ND: no power interface, only support PoE power supply
- **Power Consumption**: 12 VDC, 0.9 A, max. 11 W
  - PoE (802.3af, 36 to 57 VDC), 0.3 A to 0.2 A, max. 12 W
- **Protection Level (-V)**: IP66, IK10
- **Material**: Metal
- **Dimensions**: Φ 136 × 61.8 mm (Φ 5.35” × 2.43”)
- **Weight**: Approx. 600 g (1.32 lb.)
Available Model

DS-2XM6365G0-IV (1.28 mm); DS-2XM6365G0-IVS (1.28 mm); DS-2XM6365G0-IVM (1.28 mm); DS-2XM6365G0-IVM/ND (1.28 mm)

*S: supports 1 alarm input, 1 alarm output, 1 audio input, 1 audio output
*M: supports M12 aviation plug
*ND: no power interface, only support PoE power supply

Dimensions
Accessory

Included

DA-13-000712
Adapter plate

Optional

DS-12732J-135
Wall mount

Hikvision USA
T +1-909-895-9400
sales.usa@hikvision.com

Hikvision Australia
T +61-2-9599-4233
salesau@hikvision.com

Hikvision India
T +91-22-28469900
sales@aramahikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Thailand
T +662-275-3946
sales.thailand@hikvision.com

Hikvision Europe
T +31-23-5562770
sales.eu@hikvision.com

Hikvision Italy
T +39-0498-6900
info.it@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
latam.support@hikvision.com

Hikvision Turkey
T +90 2168521 7076-7074
sales.tr@hikvision.com

Hikvision Malaysia
T +603-7852-2413
sales.my@hikvision.com

Hikvision UK & Ireland
T +44-1628-902140
sales.uk@hikvision.com

Hikvision South Africa
Tel: +27 (11) 0351172
saleafrica@hikvision.com

Hikvision France
T +33011-85-330-450
info.fr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730887
nikia.panfilov@hikvision.ru

Hikvision Thailand
T +84-97420888
sales.vt@hikvision.com

Hikvision Vietnam
T +84-97420888
sales.vt@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Singapore
T +65-6864-6718
sales.sg@hikvision.com

Hikvision Spain
T +34-91-737-19-55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Hong Kong
T +852-2151-1701
info.hk@hikvision.com

Hikvision Russia
T +7-495-669-87-99
salesru@hikvision.com

Hikvision Korea
T +82-1031-32-3817
sales.korea@hikvision.com

Hikvision Poland
T +48-22-460-01-50
info.pl@hikvision.com

Hikvision Indonesia
T +62-21-2633769
sales.indonesia@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com

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