

## IPC538-F (Grey)

8 MP IR Fixed Turret Network Camera



### Outstanding Features

- 1/2.5" Progressive Scan CMOS
- 3840 × 2160@15fps
- 2.8/4/6 mm fixed lens
- Color: 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
- H.265, H.265+, H.264, H.264+
- Three streams
- 120dB WDR
- BLC/3D DNR/ROI/HLC
- IR range: Up to 30 m
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- 3-Axis adjustment

## Specification

|  |   |
|--|---|
| <b>Camera</b>  |   |
| Image Sensor   | 1/2.5" Progressive Scan CMOS  |
| Min. Illumination  | Color: 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR  |
| Shutter Speed  | 1/3 s to 1/100,000 s  |
| Slow Shutter   | Yes   |
| Day & Night  | IR Cut Filter   |
| WDR  | 120 dB  |
| Angle Adjustment   | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°  |
| <b>Lens</b>  |   |
| Lens Type  | Fixed lens, 2.8/4/6 mm  |
| Aperture   | F2.0  |
| FOV  | 2.8 mm, Horizontal FOV: 102°, vertical FOV: 53°, diagonal FOV: 124°<br>4 mm, Horizontal FOV: 79°, vertical FOV: 42°, diagonal FOV: 95°<br>6 mm, Horizontal FOV: 50°, vertical FOV: 28°, diagonal FOV: 59°   |
| Lens Mount   | M12   |
| <b>Illuminator</b>   |   |
| IR Range   | Up to 30 m  |
| Wavelength   | 850 nm  |
| <b>Video</b>   |   |
| Max. Resolution  | 3840 × 2160   |
| Main Stream  | 50Hz: 12.5fps (3840 × 2160), 20fps (3072 × 1728), 25fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>60Hz: 15fps (3840 × 2160), 20fps (3072 × 1728), 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)  |
| Sub Stream   | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)  |
| Third Stream   | 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288)<br>60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)  |
| Video Compression  | Main stream/third stream: H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG  |
| H.264 Type   | Main Profile/High Profile   |
| H.264+   | Main stream supports  |
| H.265 Type   | Main Profile  |
| H.265+   | Main stream supports  |
| Video Bit Rate   | 32 Kbps to 16 Mbps  |
| Scalable Video Coding (SVC)  | H.264 and H.265 encoding  |
| * When the main stream resolution is 3840 × 2160, max frame rate is 12.5 fps (50Hz)/15 fps (60Hz) for all streams. When the main stream resolution is 3072 × 1728, max frame rate is 20 fps for all streams. |   |
| <b>Smart Feature-Set</b>   |   |
| Smart Event  | Line crossing detection, intrusion detection and face detection   |
| Basic Event  | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)<br>Trigger recording: memory card, network storage, pre-record and post-record                                   |
| Linkage Method   | Trigger captured pictures uploading: FTP, HTTP, NAS, Email<br>Trigger notification: HTTP, ISAPI, Email  |
| Region of Interest   | 1 fixed region for main stream and sub-stream   |
| <b>Image</b>   |   |
| Image Enhancement  | BLC, HLC, 3D DNR  |
| Image Setting  | Saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser   |
| Day/Night Switch   | Day/Night/Auto/Schedule   |
| <b>Network</b>   |   |
| Network Storage  | microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR<br>Together with high-end Hikvision memory card, memory card encryption and health detection are supported.  |
| Protocols  | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets  |
| API  | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK   |
| Security   | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2 |
| Simultaneous Live View   | Up to 6 channels  |
| User/Host  | Up to 32 users, 3 levels: administrator, operator and user  |
| Client   | iVMS-4200, Hik-Connect, Hik-Central<br>Plug-in required live view: IE8+   |
| Web Browser  | Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+<br>Local Service: Chrome 41.0+, Firefox 30.0+   |

## Specification

|                                  |  |
|----------------------------------|--|
| <b>Interface</b>                 |  |
| Communication Interface          | 1 RJ45 100M self-adaptive Ethernet port  |
| Video Output                     | No   |
| Interface Style                  | Pigtail style interface  |
| On-board storage                 | Built-in micro SD/SDHC/SDXC slot, up to 128 GB   |
| <b>General</b>                   |  |
| Web Client Language              | 32 languages<br>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, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening  |
| Reset                            | Reset via reset button on camera body, web browser and client software   |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)  |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)  |
| Power Supply                     | 12 VDC ± 25%, $\Phi$ 5.5 mm coaxial power plug; PoE (802.3af, class 3)   |
| Power Consumption and Current    | 12 VDC, 0.6 A, max. 7.5 W; PoE (802.3af, 36 V to 57 V), 0.3 A to 0.2 A, max. 8 W   |
| Material                         | Metal  |
| Dimensions                       | Camera: $\Phi$ 127.3 × 95.9 mm (5" × 3.8")<br>With package: 150 × 150 × 141 mm (5.9" × 5.9" × 5.6")  |
| Weight                           | Camera: Approx. 635 g (1.4 lb.)<br>With package: Approx. 890 g (1.96 lb.)  |
| <b>Approval</b>                  |  |
| EMC                              | 47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015  |
| Safety                           | UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015   |
| Chemistry                        | 2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006   |
| Protection                       | Ingress protection: IP67 (IEC 60529-2013)  |

## Dimension

