



## Key Features

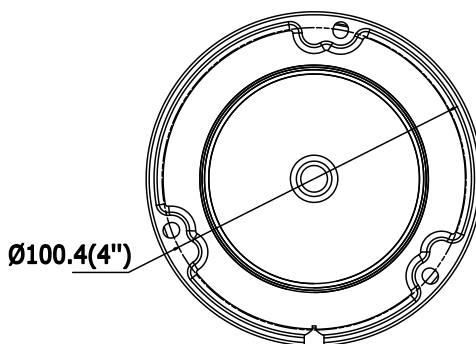
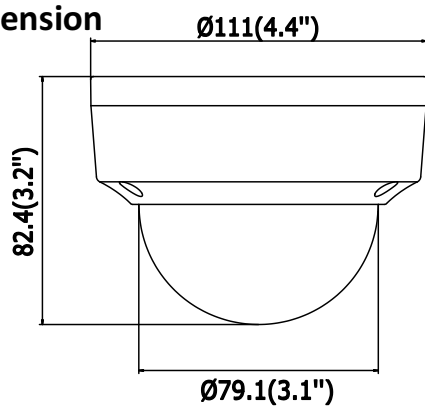
- Up to 5 megapixel high resolution
- Max. 2944 × 1656 @20fps
- 2.8 mm/4 mm/6 mm/8 mm/12 mm fixed lens, optional
- H.265, H.265+, H.264+, H.264
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- 12 VDC & PoE (802.3af)
- IR range: up to 30 m
- Support on-board storage, up to 128 GB
- Audio I/O, Alarm I/O, optional
- IP67, IK10
- 3-axis adjustment
- Color: 0.01 lux @(F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON), 0 lux with IR

## Specification

| <b>Camera</b>                                                                                    |                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                                                                                     | 1/2.9" Progressive Scan CMOS                                                                                                                                                                         |
| Min. Illumination                                                                                | Color: 0.01 lux @(F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON), 0 lux with IR                                                                                                                            |
| Shutter Speed                                                                                    | 1/3 s to 1/100,000 s                                                                                                                                                                                 |
| Slow Shutter                                                                                     | Yes                                                                                                                                                                                                  |
| Focal length                                                                                     | 2.8/4/6/8/12 mm                                                                                                                                                                                      |
| Focus                                                                                            | Fixed                                                                                                                                                                                                |
| Lens                                                                                             | 2.8 mm, horizontal field of view: 97°<br>4 mm, horizontal field of view: 78°<br>6 mm, horizontal field of view: 60°<br>8 mm, horizontal field of view: 39.5°<br>12 mm, horizontal field of view: 19° |
| Lens Mount                                                                                       | M12                                                                                                                                                                                                  |
| Iris                                                                                             | F2.0                                                                                                                                                                                                 |
| Day & Night                                                                                      | IR cut filter                                                                                                                                                                                        |
| DNR                                                                                              | 3D DNR                                                                                                                                                                                               |
| Wide Dynamic Range                                                                               | 120dB                                                                                                                                                                                                |
| 3-Axis Adjustment                                                                                | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°                                                                                                                                                 |
| <b>Compression Standard</b>                                                                      |                                                                                                                                                                                                      |
| Video Compression                                                                                | Main stream: H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264                                                                                                               |
| 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                                                                                                                                                                                   |
| 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)/32-192Kbps(MP2L2)                                                                                                                                        |
| <b>Image</b>                                                                                     |                                                                                                                                                                                                      |
| Max. Resolution                                                                                  | 2944 × 1656                                                                                                                                                                                          |
| Main Stream                                                                                      | 50Hz: 20 fps (2944 × 1656), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>60Hz: 20 fps (2944 × 1656), 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)                                                                                                     |
| Image Enhancement                                                                                | BLC/3D DNR/HLC                                                                                                                                                                                       |
| Image Settings                                                                                   | Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser                                                                              |
| ROI (Region of Interest)                                                                         | Support 1 fixed region for main stream and sub-stream separately                                                                                                                                     |
| Day/Night Switch                                                                                 | Day/Night/Auto/Schedule/Triggered by Alarm In(-S)                                                                                                                                                    |
| *Note: When the main stream resolution is 2944 × 1656, max frame rate is 20 fps for all streams. |                                                                                                                                                                                                      |
| <b>Audio (-S)</b>                                                                                |                                                                                                                                                                                                      |

|                             |                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Environment Noise Filtering | Yes                                                                                                                                           |
| Audio I/O                   | Yes, mono soundtrack                                                                                                                          |
| Sampling Rate               | 8kHz/16kHz/32kHz/44.1kHz/48kHz                                                                                                                |
| <b>Network</b>              |                                                                                                                                               |
| Network Storage             | Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR                                                                  |
| Alarm Trigger               | Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, Illegal Login, HDD full, HDD error                              |
| Protocols                   | TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6                  |
| Standard                    | ONVIF (PROFILE S, PROFILE G), ISAPI                                                                                                           |
| General Function            | One-key Reset, Anti-Flicker, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, IP Address Filter                               |
| Firmware Version            | V5.5.80                                                                                                                                       |
| API                         | ONVIF (PROFILE S, PROFILE G), ISAPI                                                                                                           |
| Simultaneous Live View      | Up to 6 channels                                                                                                                              |
| User/Host                   | Up to 32 users<br>3 levels: Administrator, Operator and User                                                                                  |
| Client                      | iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500                                                                                                  |
| Web Browser                 | Plug-in required live view:<br>IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11<br>Plug-in free live view:<br>Chrome 45.0+, Firefox 52.0+ |
| <b>Interface</b>            |                                                                                                                                               |
| Communication Interface     | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                   |
| Audio (-S)                  | 1 audio input (line in), 1 audio output interface, terminal block                                                                             |
| Alarm (-S)                  | 1 alarm input, 1 alarm output (max. 12 VDC, 30 mA), terminal block                                                                            |
| On-board Storage            | Built-in microSD/SDHC/SDXC slot, up to 128 GB                                                                                                 |
| Reset Button                | Yes                                                                                                                                           |
| <b>Smart Feature-set</b>    |                                                                                                                                               |
| Behavior Analysis           | Line crossing detection, intrusion detection, unattended baggage detection, object removal detection                                          |
| Exception Detection         | Scene change detection                                                                                                                        |
| Face Detection              | Yes                                                                                                                                           |
| <b>General</b>              |                                                                                                                                               |
| Operating Conditions        | -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)                                                                   |
| Power Supply                | 12 VDC ± 25%, 6.2 W<br>PoE (802.3af, 36 V to 57 V, class 3), 9 W                                                                              |
| IR Range                    | Up to 30 m                                                                                                                                    |
| Protection Level            | IP67, IK10                                                                                                                                    |
| Material                    | Camera body: metal, bubble: plastic                                                                                                           |
| Dimensions                  | Camera: Φ 111 × 82.4 mm (Φ 4.4" × 3.2")<br>Package: 134 × 134 × 108 mm (5.27" × 5.27" × 4.25")                                                |
| Weight                      | Camera: 500 g (1.1 lb.)                                                                                                                       |

Dimension



Unit: mm