



Network

Bullet

# ANO-L6022R

2MP IR Bullet Camera



## Key Features

- 2 megapixel (1920 x 1080) resolution
- 4mm lens w/ 84.3° HFoV
- 30fps@ all resolutions (H.265/H.264)
- H.265/H.264, MJPEG codec supported, Multiple streaming
- Day & Night (ICR), WDR (120dB)
- Defocus detection, Directional detection, Motion detection, Enter/Exit, Tampering
- Micro SD/SDHC memory slot (Max. 32GB), PoE
- Hallway view, WiseStream II support
- IR viewable length 30m
- IP66 support

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## Specifications

| Video                     |  |
|---------------------------|--|
| Imaging Device            | 1/2.8" CMOS  |
| Resolution                | 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360  |
| Max. Framerate            | H.265/H.264: Max. 30fps/25fps(60Hz/50Hz)<br>MJPEG: Max. 10fps(@2MP Max. 2fps)  |
| Min. Illumination         | Color: 0.03Lux(F2.0, 1/30sec)<br>BW : 0Lux (IR LED on)   |
| Lens                      |  |
| Focal Length (Zoom Ratio) | 4mm fixed focal  |
| Max. Aperture Ratio       | F2.0   |
| Angular Field of View     | H: 85° / V: 46° / D: 99°   |
| Min. Object Distance      | 0.5m(1.64ft)   |
| Focus Control             | Fixed  |
| Pan / Tilt / Rotate       |  |
| Pan / Tilt / Rotate Range | 0°~360° / 0°~100° / 0°~360°  |
| Operational               |  |
| Camera Title              | Displayed up to 15 characters  |
| Day & Night               | Auto(ICR)  |
| Backlight Compensation    | BLC, WDR, SDDR   |
| Wide Dynamic Range        | 120dB  |
| Digital Noise Reduction   | SSNR   |
| Motion Detection          | 4ea, rectangler zones  |
| Privacy Masking           | 6ea, rectangular zones   |
| Gain Control              | Low / Middle / High  |
| White Balance             | ATW / AWC / Manual / Indoor / Outdoor  |
| LDC                       | Support  |
| Electronic Shutter Speed  | Minimum/Maximum/Anti flicker (2~1/12,000sec)   |
| Video Rotation            | Flip, Mirror, Hallway view(90°/270°)   |
| Analytics                 | Motion detection, Tampering, Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing/Direction)  |
| Alarm Triggers            | Analytics  |
| Alarm Events              | When alarm trigger occurred<br>- File upload(image) : e-mail/FTP<br>- Notification : e-mail<br>- Recording : SD/SDHC/SDXC or NAS recording at event triggers |
| Light Type                | IR LED (850nm)   |
| Light Viewable Length     | 30m(98.43ft)   |

|                                       |  |
|---------------------------------------|--|
| <b>Network</b>                        |  |
| Ethernet                              | RJ-45(10/100BASE-T)  |
| Video Compression                     | H.265/H.264 : Main/High, MJPEG   |
| Smart Codec                           | WiseStream II  |
| Video Quality Adjustment              | H.265/H.264: Target bitrate level control<br>MJPEG: Quality level control  |
| Bitrate Control                       | H.264/H.265: CBR or VBR<br>MJPEG: VBR  |
| Streaming                             | Unicast(6 users) / Multicast<br>Multiple streaming (Up to 3 profiles)  |
| Protocol                              | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour |
| Application Programming Interface     | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)  |
| <b>Security</b>                       |  |
| OS / Firmware Protect                 | Firmware encryption  |
| User authentication                   | Digest Authentication, Prevent brute-force attack  |
| Network authentication                | 802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)  |
| Secure Communication                  | HTTPS, SRTP, WSS(Websocket secure)   |
| Access Control                        | Access control based on IP address   |
| Data Protect                          | Authentication information encryption, ZIP compression encryption  |
| Audit                                 | User Access/System/Event log management  |
| Device ID                             | Device Certificate(Hanwha Private Root CA)   |
| Secure Storage                        | SDcard partition encrypt   |
| <b>General</b>                        |  |
| Webpage Language                      | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek                                   |
| Edge Storage                          | Micro SD/SDHC 1slot 32GB   |
| Memory                                | 512MB RAM, 256MB Flash   |
| <b>Environmental &amp; Electrical</b> |  |
| Operating Temperature / Humidity      | -30°C~+55°C(-22°F ~ +131°F) / 0~95% RH<br>* Start up should be done at above -20°C(-4°F)   |
| Storage Temperature / Humidity        | -30°C ~ +55°C(-22°F ~ +131°F) / Less than 95% RH   |
| Certification                         | IP66   |
| Input Voltage                         | PoE(IEEE802.3af, Class2)   |
| Power Consumption                     | Max 6.4W, Typical 5.0W   |
| <b>Mechanical</b>                     |  |
| Color / Material                      | White / Plastic  |
| RAL Code                              | RAL9003  |
| Product Dimensions / Weight           | ø78.0x262.0mm(ø3.07x10.31"), 390g(0.86lb)  |
| <b>DORI (EN62676-4 standard)</b>      |  |
| Detect (25PPM/ 8PPF)                  | 42.4m(139.17ft)  |
| Observe (63PPM/ 19PPF)                | 17.0m(55.67ft)   |
| Recognize (125PPM/ 38PPF)             | 8.5m(27.83ft)  |
| Identify (250PPM/ 76PPF)              | 4.2m(13.92ft)  |