



Network

Bullet

# ANO-L7012R

4MP IR Bullet Camera



## Key Features

- 4MP resolution, Up to 30fps (H.265/H.264)
- Color : 0.1Lux (F1.6, 1/30sec), B/W : 0Lux (IR LED On)
- 3mm lens w/ 98.3° HFoV
- IR viewable length: 20m
- Day & Night (ICR), WDR (120dB)
- H.265, H.264, MJPEG, Multiple streaming supported
- Defocus detection, Directional detection, Motion detection, Enter/Exit, Tampering
- Hallway view (90-/270-), LDC support, WiseStream II
- Micro SD/SDHC/SDXC memory slot (Max. 128GB)
- IP66

# ANO-L7012R

## 4MP IR Bullet Camera



## Specifications

|                           |                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Video                     |                                                                                                                               |
| Imaging Device            | 1/3" CMOS                                                                                                                     |
| Resolution                | 2560 x 1440, 1920 x 1080, 1280 x 960, 1280 x 720, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240 |
| Max. Framerate            | H.265/H.264 : Max. 30fps at 4M all resolutions<br>MJPEG : Max. 15fps                                                          |
| Min. Illumination         | Color : 0.13Lux (F1.6, 1/30sec)<br>B/W : 0Lux (IR LED On)                                                                     |
| Lens                      |                                                                                                                               |
| Focal Length (Zoom Ratio) | 3mm fixed focal                                                                                                               |
| Max. Aperture Ratio       | F1.6                                                                                                                          |
| Angular Field of View     | H: 98.3° / V: 54.2° / D: 114.6°                                                                                               |
| Min. Object Distance      | 1.1m(3.6ft)                                                                                                                   |
| Focus Control             | Fixed                                                                                                                         |
| Operational               |                                                                                                                               |
| Camera Title              | Displayed up to 85 characters                                                                                                 |
| Day & Night               | Auto(ICR)                                                                                                                     |
| Backlight Compensation    | BLC, WDR, SDR                                                                                                                 |
| Wide Dynamic Range        | 120dB                                                                                                                         |
| Digital Noise Reduction   | SSNR                                                                                                                          |
| Motion Detection          | 4ea, polygonal 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 (1/5~1/12,000sec)                                                                                |
| Video Rotation            | Flip, Mirror, Hallway view(90-/270-)                                                                                          |
| Analytics                 | Defocus detection, Motion detection, Tampering, Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing/Direction)          |
| Alarm Triggers            | Analytics, Network disconnect<br>* Alarm input(with NW I/O Box)                                                               |
| Alarm Events              | File upload via FTP and e-mail,<br>Notification via e-mail,<br>SD/SDHC/SDXC or NAS recording at event triggers,<br>Handover   |
| IR Viewable Length        | 20m(65.62ft)                                                                                                                  |
| Network                   |                                                                                                                               |
| Ethernet                  | RJ-45 (10/100BASE-T)                                                                                                          |

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com)  
Hanwha Vision is formerly known as Hanwha Techwin.

|                                   |                                                                                                                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression                 | H.265/H.264 : Main/High, MJPEG                                                                                                                                                                    |
| Smart Codec                       | Manual (Sea area), WiseStream II                                                                                                                                                                  |
| 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, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP |
| Security                          | HTTPS(SSL) Login Authentication<br>Digest Login Authentication<br>IP Address Filtering<br>User access Log<br>802.1X Authentication                                                                |
| Application Programming Interface | ONVIF Profile S/G/T,<br>SUNAPI (HTTP API)                                                                                                                                                         |

#### General

|                  |                                |
|------------------|--------------------------------|
| Webpage Language | English                        |
| Edge Storage     | Micro SD/SDHC/SDXC 1slot 128GB |
| Memory           | 512MB RAM, 256MB Flash         |

#### Environmental & Electrical

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| Operating Temperature / Humidity | -30°C ~ +55°C (-22°F ~ +131°F) / Less than 95% RH |
| Storage Temperature / Humidity   | -30°C ~ +55°C (-22°F ~ +131°F) / Less than 95% RH |
| Certification                    | IP66                                              |
| Input Voltage                    | PoE(IEEE802.3af, Class3)                          |
| Power Consumption                | Max 7.5W, typical 5.7W                            |

#### Mechanical

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Color / Material            | White / Plastic                           |
| RAL Code                    | RAL9003                                   |
| Product Dimensions / Weight | Ø78.0x262.0mm(Ø3.07x10.31"), 390g(0.86lb) |

#### DORI (EN62676-4 standard)

|                           |                 |
|---------------------------|-----------------|
| Detect (25PPM/ 8PPF)      | 44.3m(145.25ft) |
| Observe (63PPM/ 19PPF)    | 17.7m(58.10ft)  |
| Recognize (125PPM/ 38PPF) | 8.9m(29.05ft)   |
| Identify (250PPM/ 76PPF)  | 4.4m(14.53ft)   |