



Network

Bullet

# ANO-L7082R

4MP IR Bullet Camera



## Key Features

- 4MP resolution, Up to 30fps
- Color : 0.1Lux (F1.6, 1/30sec), B/W : 0Lux (IR LED On)
- 3.3 ~ 10.3mm motorized varifocal lens
- IR viewable length: 30m (98.42ft)
- 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

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## Specifications

### Video

Imaging Device	1/2.8" 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/25fps(60Hz/50Hz) MJPEG: Max. 15fps(@4MP Max. 2fps)
Min. Illumination	Color : 0.1Lux (F1.6, 1/30sec) B/W : 0Lux (IR LED On)

### Lens

Focal Length (Zoom Ratio)	3.3~10.3mm(3.1x) motorized varifocal
Max. Aperture Ratio	F1.6(Wide) ~ F3.3(Tele)
Angular Field of View	H: 95°(Wide)~28°(Tele) V: 51°(Wide)~15°(Tele) D: 113°(Wide)~32°(Tele)
Min. Object Distance	0.5m(1.64ft)
Focus Control	Simple focus
Lens Type	DC auto iris

### Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	0°~360° / 0°~100° / 0°~360°
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### 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	Motion detection, Tampering, Defocus detection , Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing/Direction)
Alarm Triggers	Analytics, Network disconnect

Alarm Events	When alarm trigger occurred - File upload(image) : e-mail/FTP - Notification : e-mail - Recording : SD/SDHC/SDXC or NAS recording at event triggers - Handover(PTZ preset)
Light Type	IR LED (850nm)
Light Viewable Length	30m(98.43ft)

#### Network

Ethernet	RJ-45 (10/100BASE-T)
Video Compression	H.265/H.264 : Main/High, MJPEG
Smart Codec	Manual (5ea area), WiseStream II
Video Quality Adjustment	H.265/H.264: Target bitrate level control MJPEG: Quality level control
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(6 users) / Multicast 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
Application Programming Interface	ONVIF Profile S/G/T, SUNAPI (HTTP API)

#### Security

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

#### General

Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
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) / 0~95% RH * 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, Class3)
Power Consumption	Max 8.0W, typical 6.0W

#### Mechanical

Color / Material	White / Plastic
RAL Code	RAL9003
Product Dimensions / Weight	ø78.0x262.0mm(ø3.07x10.31"), 390g(0.86lb)

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.

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DORI (EN62676-4 standard)	
Detect (25PPM/ 8PPF)	Wide: 47.1m(154.46ft) / Tele: 204.6m(671.23ft)
Observe (63PPM/ 19PPF)	Wide: 18.8m(61.79ft) / Tele: 81.8m(92.24ft)
Recognize (125PPM/ 38PPF)	Wide: 9.4m(30.89ft) / Tele: 40.9m(134.25ft)
Identify (250PPM/ 76PPF)	Wide: 4.7m(15.45ft) / Tele: 20.5m(67.12ft)

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