



Network

Bullet

# ANO-L7012R

4MP IR Bullet Camera



## Key Features

- 4MP resolution, Up to 30fps (H.265/H.264)
- Color : 0.13Lux (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

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## Specifications

### Video

Imaging Device	1/3" CMOS
Resolution	2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps(@4MP Max. 2fps)
Min. Illumination	Color : 0.13Lux (F1.6, 1/30sec) B/W : 0Lux (IR LED On)

### Lens

Focal Length (Zoom Ratio)	3mm fixed focal
Max. Aperture Ratio	F1.6
Angular Field of View	H: 99° / V: 55° / D: 115°
Min. Object Distance	1.1m(3.6ft)
Focus Control	Fixed

### 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, SSDR
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)

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.

Light Viewable Length	20m(65.62ft)
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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.264/H.265: 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)

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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

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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

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Environmental & Electrical	
Operating Temperature / Humidity	-30°C~+55°C(-22°F ~ +131°F) / 0~95% RH
Storage Temperature / Humidity	-30°C~+55°C(-22°F ~ +131°F) / 0~95% RH
Certification	IP66
Input Voltage	PoE(IEEE802.3af, Class3)
Power Consumption	Max 7.5W, typical 5.7W

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

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DORI (EN62676-4 standard)	
Detect (25PPM/ 8PPF)	43.7m(143.47ft)
Observe (63PPM/ 19PPF)	17.5m(57.39ft)
Recognize (125PPM/ 38PPF)	8.7m(28.69ft)

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Identify (250PPM/ 76PPF)

4.4m(14.35ft)

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ANO-L7012R

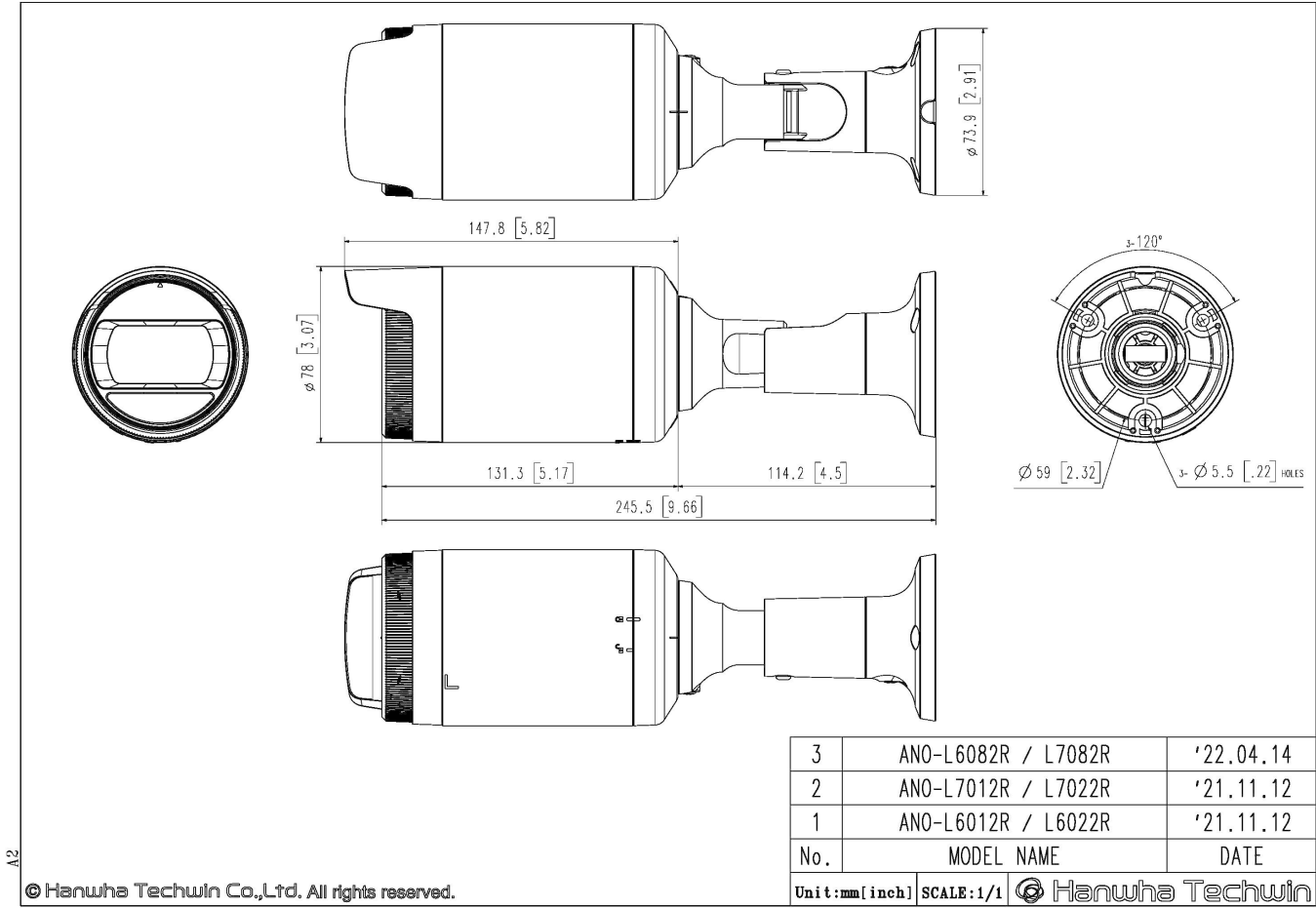
# ANO-L7012R

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CAD

Unit:mm [inch]



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