

Network Bullet

XNO-6120R/LPR

Low Speed LPR IR Bullet

Key Features

- Designed for low speed and stop and go applications up to 35 MPH
- No server needed. The application runs directly on the camera and is licensed and read- to-go.
- 2 megapixel (1920 x 1080) resolution
- 12X optical zoom (5.2 ~ 62.4mm) (54.58° ~ 5.30°)
- H.265, H.264, MJPEG codec supported, multiple streaming
- Day & Night (ICR), WDR (150dB), Defog
- Loitering, directional detection, fog detection, audio detection, digital auto tracking, sound classification, tampering
- Motion detection, handover
- Dual SD/SDHC/SDXC memory slots (Total maximum of 512GB)
- Hallway view, WiseStream II support
- High powered IR LEDs with readable length for LPR 65 ft, IP67/IP66, NEMA 4X, IK10

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Low Speed LPR IR Bullet



Specifications

Video

Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution		1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	60fps/50fps(60Hz/50Hz)
	MJPEG	30fps
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.03
	BW(1/30sec, 30IRE)	0.003
Video Out		CVBS: 1.0 Vp-p / 75Ω composite for installation, USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle.

Lens

Focal Length (mm)		5.2~62.4
Zoom Ratio	Optical	12x
	Digital	x24
Max Aperture Ratio (F number)	Wide	1.6
	Tele	3.0
Angular Field of View	Horizontal	54.58°~5.30°
	Vertical	32.19°~3.00°
	Diagonal	61.40°~6.06°
Min. Object Distance		1.5m(4.92ft)
Focus Control		Auto, Manual, Oneshot AF
Lens Type		DC auto iris
Mount Type		Board-in Type

Operational

Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSDR
Wide Dynamic Range (dB)	150
Digital Noise Reduction	SSNR V

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Operational

Digital Image Stabilization		Support
Defog		Support
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	Rectangular zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic
Gain Control		Low, Middle, High, Off
White Balance		ATW, AWC, Manual, Indoor, Outdoor, Mercury, Sodium
LDC		Support
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
Digital PTZ		Support
Video Rotation		Flip, Mirror, Hallway view(90°/270°)
Alarm Interface	In/Out	Input 1ea, Output 1ea
Alarm Triggers		Analytics, Network disconnect, Alarm input, App event
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,Alarm output, Handover: PTZ preset,send message by HTTP/HTTPS/TCP
Audio In		Selectable(mic in/line in)
Audio Out		Line out
Light Type		IR LED
Light Viewable Length	IR	70m(229.66ft)
IR Wavelength		850nm

Analytics

Analytics Events	Normal	Defocus detection, Motion detection, Tampering, Fog detection, Audio detection, Sound classification, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction) , Digital auto tracking

Network

Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265: Main, H.264: Main/Baseline/High,MJPEG
Audio Compression	G.711 u-law /G.726 selectable,G.726(ADPCM) 8kHz,G.711 8kHz, G.726: 16kbps,24kbps,32kbps,40kbps, AAC-LC: 48kbps at 16kHz
Smart Codec	Manual, WiseStream II
Bitrate Control	H.265/H.264: CBR or VBR, MJPEG: VBR

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Network

Streaming	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 10 profiles
Protocol		IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMPv2, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, SRTP(TCP, UDP Unicast)
Application Programming Interface	ONVIF	S, G
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
Direct Cloud Connection		Optional (needs gateway)

Security

OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware
User authentication	Digest authentication
Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP)
Secure Communication	HTTPS, WSS(WebSocket Secure), SRTP
Access Control	IP-based access control
Data Protect	Encryption credentials, Encrypt compress for live recording file export
Audit	Access / System / Event Log management
Secure Storage	SDcard partition encrypt(AES-256)

General

Memory	RAM	1GB
	Flash	256MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 256GB x 2slot(Total 512GB)

Environmental & Electrical

Operating Condition	Temperature	-40°C~+55°C(-40°F~+131°F)
	Humidity	0~90% RH(non-condensing)
	Others	Start up should be done at above -35°C
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3), 12VDC, 24VAC
Power Consumption	PoE	Max. 12.95W
	12VDC	Max. 12.5W
	24VAC	Max. 14.5W

Mechanical

Color	Dark grey
Material	Aluminum

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Mechanical

Product Dimensions	ø91.0x368.6mm(3.58x14.51")
Product Weight	2,180g(4.81lb)
Compatible Gang Box	Single, Double, 4" Octagon

Certifications & Standards

Environment	IEC 60529 IP66, IEC 60529 IP67, IEC 62262 IK10, NEMA 250 type 4X

Wisenet Road AI LPR/ANPR/MMCR

Solution	Parking Application
Speed Description	Low Speed
Lane Coverage	Up to 1 lane
Speed Limit	Up to 56kmh(35mph)
Min. Forward Distance	3m(10ft)
Max. Forward Distance	12m(40ft) (with built in IR)
Max. Horizontal Angle	20°
Max. Vertical Angle	20°
Camera Height	Up to 4m(14ft)
Vehicle Recognition	Make : 70+ Model : 600+ Color : 11 colors
Available Countries	United States of America, Canada

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