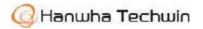
WISENET Pseries PNO-A9081RLP









PNO-A9081RLP

4K LPR/ANPR IR Bullet Camera



FC 💁 CE EH

Key Features

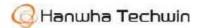
- Max. 4K resolution
- 0.05Lux@F1.6 (Color), OLux (B/W, IR LED on)
- Day & Night(ICR), WDR(120dB)
- IR Viewable Length 30m (98.42ft)
- H.265, H.264, MJPEG codec, WiseStream II
- Wisenet Road AI application (Pre-installed)
- License/Number Plate Recognition
- Make/Model/Color Recognition
- Black/White list notification
- Smart Search (LP/NP, Country, brand, model, color)
- * Supported features may vary by region. Please contact your regional manager for more details.

Compatible Accessories (Optional)



SBP-302PM





PNO-A9081RLP

4K LPR/ANPR IR Bullet Camera



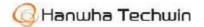




Specifications

Video	
Imaging Device	1/1.8" CMOS
Resolution	$3840x2160, 3072x1728, 2592x1944, 2688x1520, 2560x1440, 2048x1536, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800 \times 600, 800 \times 448, 720 \times 576, 720x480, 640x480, 640x360$
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Color: 0.05Lux(F1.6, 1/30sec) BW: 0.005Lux(F1.6, 1/30sec), OLux(IR LED on)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, $720x480$ (N), $720x576$ (P) for installation USB: Micro USB Type B, $1280x720$ for installation
Lens	
Focal Length (Zoom Ratio)	4.5~10mm(2.2x) motorized varifocal
Max. Aperture Ratio	F1.6(Wide)~F2.65(Tele)
Angular Field of View	H:101.4°(Wide)~45.5°(Tele) / V:53.6°(Wide)~25.5°(Tele) / D:120.7°(Wide)~52.3°(Tele)
Min. Object Distance	0.5m(1.64ft)
Focus Control	Simple focus
Lens Type	P iris
Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSDR
Digital Noise Reduction	SSNRV
Digital Image Stabilization	Stabilization Support(built-in gyro sensor)
Motion Detection	8ea, polygonal zones
Privacy Masking	6ea, rectangle zones - Color: Gray/Black/White
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, Audio detection, Sound classification, Shock detection
Alarm I/O	Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output Handover Audio playback
Audio In	Selectable(mic in/line in/Built in mic) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max.output level: 1Vrms
IR Viewable Length	30m(98.42ft)





Network			
Ethernet	Metal shielded RJ-45(10/100/1000 BASE-T)		
Video Compression	H.265/H.264: Main/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 (5ea area), WiseStream II		
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, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP (TCP, UDP Unicast)		
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA) Secure boot		
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform		
General			
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek		
Edge Storage	Pre-installed with 32GB Micro SD to support 10,000 LPR images		
Memory	4096MB RAM, 512MB Flash		
Environmental & Electric	cal		
Operating Temperature / Humidity	-40°C ~ +55°C(-40°F ~ +131°F) / Less than 90% RH * Start up should be done at above -30°C		
Storage Temperature / Humidity	-50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH		
Certification	IP66/IP67, IK10, NEMA4X		
Input Voltage	PoE+(IEEE802.3at), 12VDC		
Power Consumption	PoE+: Max 20.0W, typical 17.00W 12VDC: Max 18.00W, typical 16.00W		

echa	

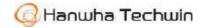
Color / Material Dark gray / Aluminum

Product Dimensions / Weight Ø91.0x368.6mm (3.58" x 14.51") (Without sunshield), Weight: 2.48Kg (5.47lb)

Wisenet Road AI LPR/ANPR/MMCR

Solution	Community Traffic	Parking Application
Speed Description	Moderate Speed	Low speed
Lane Coverage	1 lane (3.6m/12ft Wide) (with built in IR)	
Speed limit	Up to 70kmh (45mph) (with built in IR)	Up to 40kmh (25mph) (with built in IR)
Min. Forward Distance	12m (38ft)	10m (33ft)
Max. Forward Distance	12m (40ft) (with built in IR)	13m (45ft) (with built in IR)
Max. Horizontal Angle	25°	30°
Max. Vertical Angle	25°	30°
Horizontal Offset	Up to 5m (18ft)	Up to 7m (24ft)
Camera Height	Up to 5m (18ft)	Up to 7m (24ft)
Vehicle Recognition	Make : 70+ Model : 600+ Color : 11	

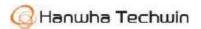




Available Countries

Albania, Armenia, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Cyprus, Czechia, Denmark, Estonia, Finland, France, Greece, Germany, Hungary, Ireland, Iceland, Italy, Lithuania, Luxembourg, Latvia, Montenegro, North Macedonia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovenia, Slovakia, Spain, Switzerland, Turkey, United Kingdom, United States of America, Canada, Russian Federation, Azerbaijan, Uzbekistan, Ukraine, Kyrgyzstan, Kazakhstan, Tajikistan, Georgia, Turkmenistan, Australia, Newziland, Hongkong, Indonesia, Vietnam, Taiwan, Bahrain, Kuwait, Oman, Qatar, KSA (Kingdom of Saudi Arabia), UAE, South Africa





PNO-A9081RLP

4K LPR/ANPR IR Bullet Camera



CAD Unit: mm [inch]

