



PAR-P8PAN180NH-WL

8 Megapixel IP Plug & Play Outdoor Bullet with 180 Degree Wide Angle View Utilizing 2 Fixed Lenses, WDR, White Light Range up to 65'; SD Card Slot, Built-in Mic + Speaker, DC12V/PoE

Features

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- 180 Degree Wide Angle View Utilizing Two Fixed Lenses
- Supports Native Chrome/Edge Use
- 8 Megapixel (4096 x 1800) Resolution
- H.265+/H.265/H.264+/H.264/ MJPEG Compression
- 20 FPS Recording and Live
- White Light Range up to 65'
- SD Card Local Storage, 256GB
- Audio Input: Built-in Mic
- Audio Output: Built-in Speaker
- IK10 Vandal Resistant
- IP67 Weather Resistant
- 12VDC/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC
- NDAA Compliant

Camera	PAR-P8PAN180NH-WL				
Image sensor	1/2.5" progressive scan CMOS sensor, x2pcs				
Max resolution	4096x1800 (stitching mode)				
Mini. Illumination	Color 0.005Lux @ (F1.1, IRE 50) B/W:0.0005 Lux@ (F1.1, IRE 50); 0 Lux with white LED				
Image setting	Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client				
Shutter Speed	50Hz: 1/25 s - 1/25,000 s; 60Hz: 1/30s-1/30,000s				
White Balance	Auto/Manual/Indoor/Outdoor				
Gain control	Auto/Manual				
Day & Night control	Auto/Manual, time schedule				
Iris control	Auto/Manual				
SNR	≥52dB				
3D DNR	Auto/Manual				
AE Enhancement	BLC, HLC, DWDR				
Digital zoom	8x				
Electrical Stabilizer	N/A				
Optical Defog	N/A				
Privacy Mask	Eight areas, up to eight masks in the same frame				
Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits JPG format				
OSD overlay	max fifteen characters/line, eight lines, white or red font color				
Angle Adjustment	Vertical -5°+5°; Rotation ±75°				
Lens					
Focus Type	F=3.5mm, M12 mount, optical distortion <15%; x 2 sets.				
Aperture	Fixed, F11				
IR CUT type	Fixed, White light pass only				
DORI distance	Focus length	Detect(25px/m)	Observe(63px/m)	Recognize(125px/m)	Identify(250px/m)
	F=3.5mm	295 ft (63.65m)	117 ft (25.26m)	39 ft (12.73m)	29.5 ft (6.36m)
Panoramic					
Stitching FOV	Horizontal FOV:180±5%;Vertical FOV: 65±5%				
Stitching Method	Alpha-Blending				
Working range	Best stitching mode work distance is from 1m to 10m. when out of this range there may slight gaps.				

Ordering Information

PAR-P8PAN180NH-WL: 8 Megapixel Panoramic Camera

InVid Tech, reserves the right to make changes to improve our products at any time without notice; we are not responsible for misprints.

Supplement light	
Distance	Warm white light 65.6 ft (20m)
Smart Brightness	Yes, facial priority
Video codec	
Mainstream	50Hz:20fps: 4096x1800, 3840x1680,2880x1264,1920x1080,1280x720 (AI ON) 60Hz:20fps: 4096x1800, 3840x1680,2880x1264,1920x1080,1280x720 (AI ON)
Sub stream	50Hz:20fps: 1920x1080, 1280x720, 704x576, 640x240 (AI ON) 60Hz:20fps: 1920x1080, 1280x720, 704x480, 640x240 (AI ON)
Third Stream	50Hz:25fps:704x576, 640x240, 480x240 (AI ON) 60Hz:30fps:704x480, 640x240, 480x240 (AI ON)
Video compression	Smart H.265+/H.265/H.264+/H.264/MJPEG
H.264 Standard	H.264/AVC codec BP/MP/HP, Level 5.1
H.265 Standard	H.265/HEVC codec MP, level 5.0
Video Bit Rate	64 Kbps to 16Mbps
Audio module	
Microphone	One built-in microphone, Omnidirectional, 2KΩ, -36dB@1KHz Sensitivity, THD 115dB SPL@1KHz
Speaker	One built-in speaker, 4Ω, 2W Nom,750Hz LFR, 100dB@0.1m
Predefined voice	Support customized predefined voice track. Max 10 tracks. One way talk.
Audio codec	
Audio compression	G.711 A/U
Audio Bit Rate	64K bps
Network	
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, DHCP, PPPoE, P2P, SSL/TLS
User / Host	Up to sixteen users, three levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2
API	ONVIF G/S/T, support TVT SDK and third-party management platform
Client	Paramont CMS and the third-party client, free iOS, and Android App Paramont NVRs should be V1.4.10 or higher
Web Browser	IE8-11 with plug-in; Edge, Chrome, Firefox with plugin free
Events	
Basic event	Motion detection, video tampering alarm, alarm input, alarm output, exception (Network disconnected, IP address conflict, SD full, SD error)
Smart event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, object removal detection, audio exception detection(ver5.1.1).
Alarm Linkage	Alarm actions, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.
Deep learning function	
Face capture	Detecting multiple faces in the same scene. Support detecting, capturing, grading, and output the best.
Fac comparison	(Default off) Yes
Perimeter protection	Line crossing, Intrusion, Region entrance, Region exiting. Support alarm triggering by specified type. (ver5.1.1)
Meta information	Human: gender, cloth, hat, glass, etc. Vehicles: model, color(ver5.1.3)
System Integration	
Alarm Interface	1 Alarm input (Dry contact); 1 Alarm output
Aux. audio interface	1ch LINE IN, 2.0-2.4Vpp, impedance 1KΩ; 1ch LINE OUT, impedance 600Ω
Network Interface	1 RJ45 10M/100M Adaptive Ethernet
SD Card Slot	One MicroSD slot and chamber, up to 256G
RS 485	N/A
Reset button	Yes
Heater & Fan	N/A
Water removal	Lotus anti-water lens cover coating
General	
languages	Czech; English; German; Hungarian; Italian; Japanese; Korean; Portuguese; Polish; Russian, Romanian, Spanish; Spanish (Mexico); Simplified Chinese; Turkish; Traditional Chinese, etc.
Power consumption	Avg. 4watt. Max 12watt. (speaker on+ white light on)
Power supply	DC12V±15% 1500mA. Or PoE (802.3.af, class 3), not same time
Working condition	Day: -40°F ~ 131°F (-40°C~55°C); Night: -40°F ~ 104°F (-40°C~40°C); Cold start>=-30°C (1 hour waiting);90%RH
Storage condition	-40°F ~ 158°F(-40°C ~ 70°C); ≤ 95% RH
Housing Material	Main-body: Aluminum Alloy (ADC12); Lens Cover: Polycarbonate
Weight& Dimensions	Approx. 2.86 lb (1.3 Kg.), Ø 6.06 x 5.7 in (Ø154mm x 145mm)
Approval	
EMC	FCC SDoC (47 CFR Part 15, Subpart B). CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011+A1: 2014), KC (KN 32:2015, KN 35: 2015)
Certification	CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014). CE-LVD (EN 62368-1:2014+A11:2017), BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002),6000V Lightning Protection, Surge Protection and Voltage Transient Protection

