PNO-9080R

4K H.265 NW IR Bullet Camera



Key Features

- Max. 12M (4000 x 3000) resolution
- Max. 20fps@12M, Max.30fps@8M
- 0.3Lux@F1.6 (Color), 0Lux (B/W : IR LED on)
- 4.5 ~ 10mm (2.2x) motorized varifocul lens
- H.265, H.264, MJPEG suppport
- Day & Night (ICR), WDR (120dB)
- Simple focus, P-Iris
- Motion detection, Defocus detection, Tampering
- SD/SDHC/SDXC memory slot (Max, 128GB)
- NAS, Local PC support
- Hallway view (Rotate 90˚ / 270˚)

Accessories (Optional)



SBP-302PM

09-2019 ©2020 Hanwha Techwin Co., Ltd. All rights reserved.

Hanwha Techwin

Video	
Imaging Device	1/1.7" 12.4MP CMOS
Effective Pixels	4072(H)x3046(V)
Min. Illumination	Color: 0.3Lux(F1.6, 1/30sec), 0.01Lux(F1.6, 2sec) B/W: 0Lux(IR LED On)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation
Lens	
Focal Length (Zoom Ratio)	4.5~10mm(2.2x) motorized varifocal
Max. Aperture Ratio	F1.6
Angular Field of View	[4096x2160] H: 100.3˚(Wide)~45.6˚(Tele) / V: 49.7˚(Wide)~24.0˚(Tele) [3840x2160] H: 92.3˚(Wide)~42.6˚(Tele) / V: 49.7˚(Wide)~24.0˚(Tele)
Min. Object Distance	0.5m(1.64ft)
Focus Control	Simple focus, Manual
Lens Type	P iris
Operational	
IR Viewable Length	40m(131.23ft)
Camera Title	Displayed up to 60 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR
Defog	Support(built-in optical filter)
Motion Detection	8ea, polygonal zones
Privacy Masking	16ea, rectangular zones - Color: Grey/Green/Red/Blue/Black/White
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view(90˚/270˚)
Analytics	Defocus detection, Fog detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Tampering, Virtual line, Audio detection
Alarm I/O	Input 1ea / Output 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
Audio In	Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max.output level: 1Vrms
Network	
Ethernet	RJ-45(10/100/1000BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG

09-2019 ©2020 Hanwha Techwin Co., Ltd. All rights reserved.

Resolution	[8M mode] 4096x2160, 3840x2160, 2592x1944, 2592x1464, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 [12M mode] 4000x3000, 3840x2160, 2592x1944, 2592x1464, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 20fps@4000x3000, Max. 30fps@4096x2160 MJPEG: 2fps@4000x3000 ~ 2592x1464, 15fps@1920x1080 ~ 320x240
Smart Codec	Manual(5ea area), WiseStream I
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(15 users) / Multicast Multiple streaming(Up to 3 profiles)
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
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, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Edge Storage	Micro SD/SDHC/SDXC 1slot 128GB
Application Programming Interface	ONVIF Profile S/G/Q SUNAPI(HTTP API) SVNP Wisenet open platform
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser: Google Chrome Supported Browser: MS Explorer11, MS Edge, Mozilla Firefox(Windows 64bit only), Apple Safari(Mac OS X only)
Memory	1024MB RAM , 256MB Flash
Environmental	
Operating Temperature / Humidity	-40°C ~ +55°C(-40°F ~ +131°F) / Less than 90% RH * Start up should be done at above -35°C (-31°F)
Storage Temperature / Humidity	-40°C ~ +60°C(-40°F ~ +140°F) / Less than 90% RH
Certification	IP66, IK10
Electrical	
Input Voltage	PoE(IEEE802.3af, Class3), 24VAC, 12VDC
Power Consumption	PoE: Max 12.95W, typical 11.77W 12VDC: Max 11.55W, typical 10.45W 24VAC: Max 14.08W, typical 12.43W
Mechanical	
Color / Material	Ivory / Aluminum
Product dimensions / weight	82.4(W)x87.0(H)x348.3(D)mm(3.24x3.43x13.71"), 1400g(3.09 lb)

- The lastest product information / specification can be found at hanwha-security.com
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin , formerly known as Samsung Techwin.

09-2019 ©2020 Hanwha Techwin Co., Ltd. All rights reserved.

Hanwha Techwin