WISENET P series



PND-A9081RV

4K Network AI IR Dome Camera

Benefits

- Save time and unnecessary costs associated with false alarms, thanks to highly accurate detection and object classification that uses Deep Learning Artificial Intelligence technology
- Search for specific objects quickly and easily, including various object types, people, vehicles, faces and license plates
- Further narrow down searches by identifying attributes, such as a person's age group, gender and clothing colour, or a vehicle's type and colour
- Unleash the power of Wisenet Retail Insight to gain a greater understanding of customer behaviour and buying patterns
- Get only the best images to optimise storage usage with the BestShot feature
- Keep your eyes on what's important and get close up detail with auto-tracking as a second video stream whilst viewing the entire field of view at the same time
- Have the camera activate connected devices upon a detected event with DC output and alarm in/out ports

| | PND-A9081RV | |
|-----------------------------|--|--|
| VIDEO | | |
| Imaging Device | 1/1.8" 8MP CMOS | |
| Effective Pixels | 3864(H)x2180(V) | |
| Min. Illumination | Colour: 0.05Lux(F1.6, 1/30sec) | |
| | BW: 0Lux(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 | CSD. MICTO CSD Type B, 1200X/20101 IIIStallation | |
| 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) / | |
| 3 | D:120.7°(Wide)~52.3°(Tele) | |
| Min. Object Distance | 0.5m(1.64ft) | |
| Focus Control | Simple focus | |
| Lens Type | DC auto iris, P iris | |
| PAN / TILT / ROTATE | | |
| Pan / Tilt / Rotate Range | 0°~360° / -45°~85° / 0°~355° | |
| OPERATIONAL | | |
| IR Viewable Length | 30m(98.42ft) | |
| Camera Title | Off / On (Up to 85 characters) | |
| Day & Night | Auto(ICR) | |
| Backlight Compensation | BLC, WDR, SSDR | |
| Wide Dynamic Range | 120dB | |
| Digital Noise Reduction | SSNRV | |
| Digital Image Stabilization | Support(built-in gyro sensor) | |
| Motion Detection | 8ea, polygonal zones | |
| Privacy Masking | 6ea, rectangle zones | |
| | - Colour: Grey/Green/Red/Blue/Black/White | |
| Gain Control | Low / Middle / High | |
| White Balance | ATW / AWC / Manual / Indoor / Outdoor | |
| LDC | Support (A4 : (A : (C) (A (C | |
| Electronic Shutter Speed | Minimum / Maximum / Anti flicker (1/5~1/12,000sec) | |
| Video Rotation | Flip, Mirror, Hallway view(90°/270°) | |
| Analytics | - Classified object type: Person/Face/Vehicle/License plate with attributes, BestShot per object | |
| | - Analytics events based on Al engine : Object detection, | |
| | Directional detection, Digital auto tracking, Enter/Exit, | |
| | Loitering, Virtual line - Analytics events: Defocus detection, Motion detection, | |
| | Appear/Disappear, Tampering, Audio detection, Sound | |
| | classification, Shock detection | |
| Business Intelligence | People counting, Queue management, Heatmap based | |
| Alarm I/O | on All engine | |
| 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 | |
| A 1: 1 | Handover | |
| 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 | |
| Addio Out | Line out, Max.output level. TVIIIS | |



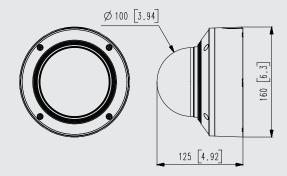
WISENET P series

Key Features

- · Max. 4K resolution
- 0.05Lux@F1.6 (Colour), 0Lux (B/W, IR LED on)
- Day & Night(ICR), WDR(120dB)
- H.265, H.264, MJPEG codec, WiseStreamII
- Video Analytics based on Deep Learning Artificial Intelligence (AI)
- Compatible with Wisenet Retail Insight v2.0 for Business Intelligence

Dimensions

Unit:mm(inch)



| | PND-A9081RV | |
|-------------------------------------|--|--|
| NETWORK | | |
| Ethernet | RJ-45(10/100/1000BASE-T) | |
| Video Compression | H.265/H.264: Main/High, MJPEG | |
| Resolution | 3840x2160, 3072x1728, 2592x1944, 2688x1520, 2560x1440, 2048x1536, 1920x1080, 1600x1200, 1280x1024,1280x960, 1280x720, 1024x768, 800 x 600, 800 x 448, 720 x 576, 720x480, 640x480, 640x360 | |
| Max. Framerate | H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps/12fps(60Hz/50Hz) | |
| Smart Codec | Manual(5ea area), WiseStreamII | |
| Bitrate Control | H.264/H.265: CBR or VBR MJPEG: VBR | |
| Streaming | Unicast(20 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, 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) | |
| Edge Storage | Micro SD/SDHC/SDXC 2slots 512GB | |
| Application Programming Interface | ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform | |
| Web Viewer | Supported OS: Windows 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only) | |
| Memory | 4096MB RAM, 512MB Flash | |
| ENVIRONMENTAL | | |
| Operating Temperature / Humidity | -25°C ~ +50°C (-13°F ~ +122°F) / Less than 90% RH | |
| Storage Temperature / Humidity | -50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH | |
| Certification | IP52, IK10 | |
| ELECTRICAL | | |
| Input Voltage | PoE+(IEEE802.3at), 12VDC | |
| Power Consumption | PoE+: Max 20.00W, typical 16.00W 12VDC: Max 17.70W, typical 14.00W | |
| MECHANICAL | | |
| Color / Material | White / Aluminum | |
| RAL Code | RAL9003 | |
| Product dimensions / weight | Ø160x125mm(6.30x4.92"), Weight: 1.60Kg (3.53lb). | |
| DORI | | |
| Detect (25PPM/8PPF) | Wide: 62.9m(206.34ft) / Tele: 183m(600.33ft) | |
| Observe (63PPM/ 19PPF) | Wide: 25.1m(82.34ft) / Tele: 73.3m(240.46ft) | |
| Recognize (125PPM/ 38PPF) | Wide: 12.6m(41.33ft) / Tele: 36.6m(120.07ft) | |
| Identify (250PPM/ 76PPF) | Wide: 6.3m(20.67ft) / Tele: 18.3m(60.03ft) | |

- $\hbox{* The lastest product information / specification can be found at handwa-security.com}\\$
- * Design and specifications are subject to change without notice.
- * Wisenet is the proprietary brand of Hanwha Techwin.

