



Network

Dome

XND-8082RF

6MP IR Dome Camera



Key Features

- 6MP resolution
- 2.8~8.4mm(3x) motorized varifocal
- 0.05Lux@F1.2 (Color), 0Lux (B/W, IR LED on)
- Max.30fps@6MP (H.265/H.264)
- IR viewable length 40m
- Day & Night (ICR), extreme WDR (120dB)
- DIS with built-in Gyro sensor
- Video Analytics
(Defocus, Directional detection, Audio detection, Shock detection, Face/Upper body detection)
- Dual SD slots (Max. 1TB)
- Modular structure, PoE support
- IP52, Plenum rate, IK10

Compatible Devices



SPB-FCD85W

XND-8082RF

6MP IR Dome Camera



Specifications

Video

| | |
|-------------------|--|
| Imaging Device | 1/2.8" CMOS |
| Resolution | 3328x1872, 3072x1728, 2592x1944, 2688x1520, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate | H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps(@6MP Max. 5fps) |
| Min. Illumination | Color: 0.05Lux(F1.2, 1/30sec, 30IRE) BW: 0.005Lux(F1.2, 1/30sec, 30IRE), 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

| | |
|---------------------------|--|
| Focal Length (Zoom Ratio) | 2.8~8.4mm(3x) motorized varifocal |
| Max. Aperture Ratio | F1.2(Wide)~F2.8(Tele) |
| Angular Field of View | H: 114°(Wide)~40°(Tele) V: 62°(Wide)~22°(Tele) D: 133°(Wide)~46°(Tele) |
| Min. Object Distance | 0.7m(2.23ft) |
| Focus Control | Simple focus |
| Lens Type | DC Auto Iris, P iris |

Pan / Tilt / Rotate

| | |
|---------------------------|----------------------------|
| Pan / Tilt / Rotate Range | 0°~360° / 0°~85° / 0°~355° |
|---------------------------|----------------------------|

Operational

| | |
|-----------------------------|---|
| Camera Title | Displayed up to 85 characters |
| Day & Night | Auto(ICR) |
| Backlight Compensation | BLC, HLC, WDR, SSDR |
| Wide Dynamic Range | extremeWDR(120dB) |
| Digital Noise Reduction | SSNR V |
| Digital Image Stabilization | Support(built-in gyro sensor) |
| Defog | Support |
| Motion Detection | 8ea, 8point Polygonal zones |
| Privacy Masking | 32ea, 4point Quadrangle zones - Color: Gray/Green/Red/Blue/Black/White - Mosaic |
| Gain Control | Off / Max gain / Manual |
| White Balance | ATW / NarrowATW / AWC / Manual / Indoor / Outdoor |
| LDC | Support(Fill/stretch mode) |
| Electronic Shutter Speed | Minimum / Maximum / Anti flicker(2~1/12,000sec) Prefer shutter control |
| Video Rotation | Flip, Mirror, Hallway view(90°/270°) |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com.

Hanwha Vision is formerly known as Hanwha Techwin.

| | |
|-----------------------------------|---|
| Analytics | Analytics events - Defocus detection, Directional detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Fog detection, Virtual line, Audio detection, Sound classification, Shock detection, Face/upper body detection |
| Business Intelligence | People counting, Queue management, Heatmap |
| Alarm I/O | 2 configurable I/O ports |
| Alarm Triggers | Analytics, Network disconnect, Alarm input, App event, Time schedule, MQTT subscription |
| Alarm Events | When alarm trigger occurred - File upload(image): e-mail/FTP/SFTP - File upload(video clip): FTP/SFTP - 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 clip playback - MQTT: publication |
| Audio In | Selectable(mic in/line in) |
| Audio Out | Line out |
| IR Viewable Length | WiseIR 40m(131.23ft) |
| Network | |
| Ethernet | Metal shielded RJ-45(10/100/1000BASE-T) |
| Video Compression | H.265/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(5ea area), WiseStream II |
| Bitrate Control | H.264/H.265: CBR or VBR MJPEG: VBR |
| Streaming | Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles, 3 virtual channel support) |
| Protocol | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP/SFTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT |
| Application Programming Interface | ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform |
| Security | |
| OS / Firmware Protect | Encrypted Firmware, Secure boot, Signed Firmware |
| User authentication | Digest Authenticaon, Prevent brute-force attacks |
| Network authentication | IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) |
| 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 |
| Device ID | Device certificate(Hanwha Vision Root CA) |
| Secure Storage | HTPM(Hanwha trusted platform module), SDcard partition encrypt |
| Security Certificate | CyberSecurity assurance program UL CAP(UL 2900-2-3 L2) |
| General | |
| Webpage Language | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek |
| Edge Storage | Micro SD/SDHC/SDXC 2slot Max. 1TB(512GBx2) |
| Memory | 4GB RAM, 512MB Flash |

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Environmental & Electrical

| | |
|----------------------------------|---|
| Operating Temperature / Humidity | -25°C~+60°C(-13°F~+140°F) / 0~95% RH(non-condensing) |
| Storage Temperature / Humidity | -50°C~+60°C(-58°F~+140°F) / 0~90% RH |
| Certification | IP52, Plenum rated, IK10 |
| Input Voltage | PoE(IEEE802.3af, class3), 12VDC |
| Power Consumption | PoE: Max 12.95W, typical 10.7W 12VDC: Max 11.5W, typical 9.0W Power redundancy failover |

Mechanical

| | |
|-----------------------------------|--|
| Color / Material | White / Aluminum Bubble: Hard-coated dome |
| RAL Code | RAL9003 |
| Product Dimensions / Weight | ø205x163mm(ø8.07x6.42"), 1950g(4.29 lb) |
| Compatible Conduit hole / Gangbox | 19.1mm(3/4")(M25), 12.7mm(1/2")(M20) |

Certifications & Standards

| | |
|-------------|--|
| EMC | FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A KS C 9832 Class A, KS C 9835 |
| Safety | UL 60950-1, CAN/CSA C22.2 NO. 60950-1 IEC/EN 62471 |
| Environment | IEC/EN 63000 IEC/EN 60529 IP52, IEC/EN 62262 IK10 |

DORI (EN62676-4 standard)

| | |
|---------------------------|--|
| Detect (25PPM/ 8PPF) | Wide: 43.2m(141.81ft) / Tele: 182.9m(599.97ft) |
| Observe (63PPM/ 19PPF) | Wide: 17.3m(56.73ft) / Tele: 73.1m(239.99ft) |
| Recognize (125PPM/ 38PPF) | Wide: 8.6m(28.36ft) / Tele: 36.6m(119.99ft) |
| Identify (250PPM/ 76PPF) | Wide: 4.3m(14.18ft) / Tele: 18.3m(60.00ft) |

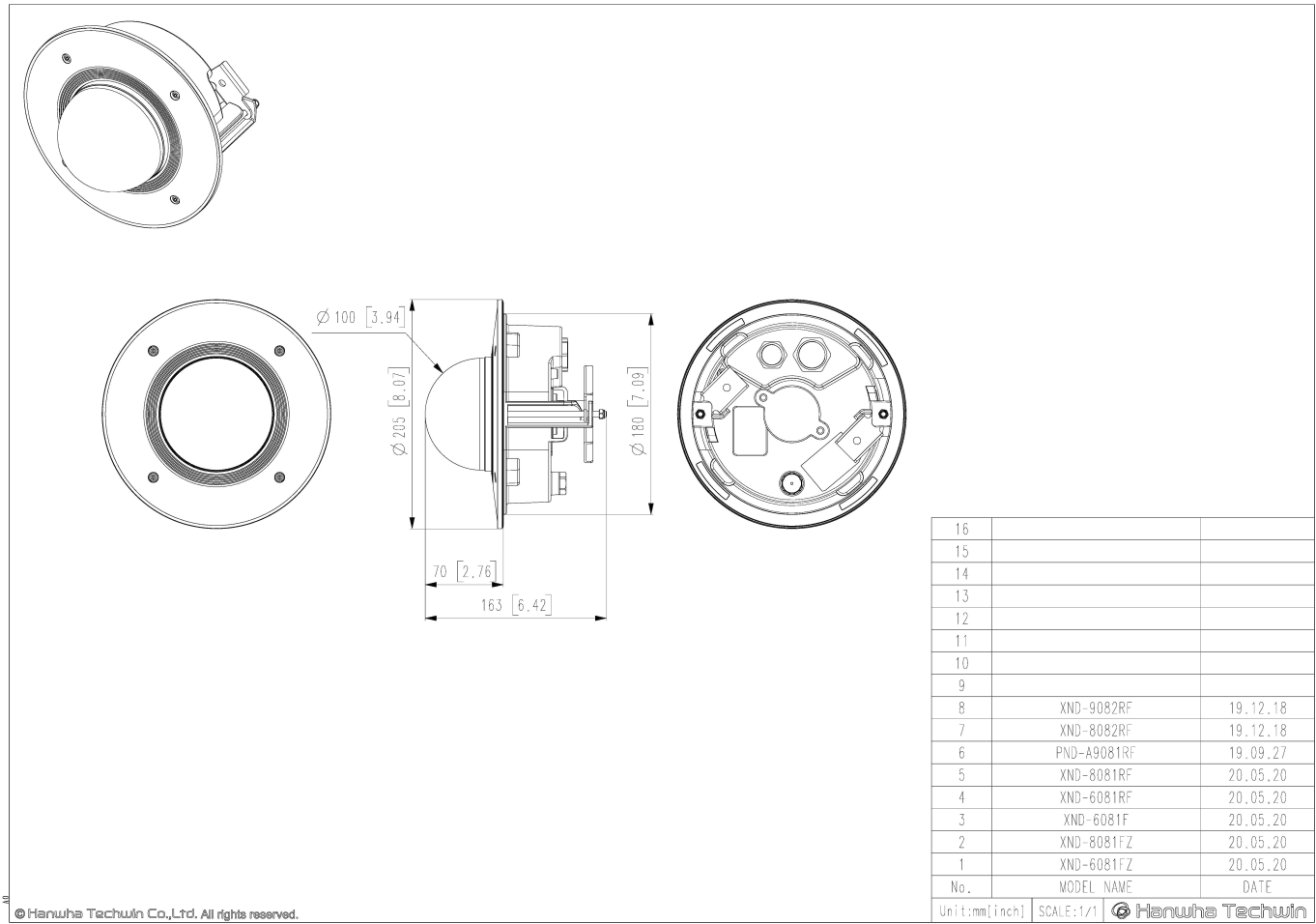
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CAD

Unit:mm [inch]



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