



Network

Dome

## XND-8081VZ

5M H.265 Dome Camera



### Key Features

- Maximum 5MP resolution
- 0.07Lux@F1.4 (Color), 0.007Lux@F1.4 (B/W)
- Day & Night (ICR), WDR (150dB / 120dB)
- Modular structure and motorized PTRZ
- Hallway View, WiseStreamII Support
- Video & audio analytics, Audio playback
- DIS and shock detection with built-in gyro sensor
- IP52/IK10, PoE, 12VDC

### Compatible Devices



SBP-300LMW



SBP-300WMW1



SBP-300KMW



SBP-300BW



SBP-300PMW



SBP-300WMW



SPB-IND85W



SBC-160B



SBP-300NBW



SBP-300CMW



SBP-167HWMW

## XND-8081VZ

5M H.265 Dome Camera



### Specifications

| Video                         |                       |                                                                                                                                                    |
|-------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device                | Size                  | 1/1.8"                                                                                                                                             |
|                               | Type                  | CMOS                                                                                                                                               |
| Resolution                    |                       | 2560x1920, 2560x1440, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate                | H.265/H.264           | 30fps/25fps(60Hz/50Hz)                                                                                                                             |
|                               | MJPEG                 | 30fps(@5MP Max. 5fps)                                                                                                                              |
| Min. Illumination (Lux)       | Color(1/30sec, 30IRE) | 0.07                                                                                                                                               |
|                               | BW(1/30sec, 30IRE)    | 0.007                                                                                                                                              |
| Video Out                     |                       | USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle.                                                                        |
| Lens                          |                       |                                                                                                                                                    |
| Focal Length (mm)             |                       | 3.6~9.4                                                                                                                                            |
| Zoom Ratio                    | Optical               | 2.6x                                                                                                                                               |
| Max Aperture Ratio (F number) | Wide                  | 1.2                                                                                                                                                |
|                               | Tele                  | 2.4                                                                                                                                                |
| Angular Field of View         | Horizontal            | 102.5°~38.7°                                                                                                                                       |
|                               | Vertical              | 74.2°~29.0°                                                                                                                                        |
|                               | Diagonal              | 135.5°~48.6°                                                                                                                                       |
| Min. Object Distance          |                       | 0.5m(1.64ft)                                                                                                                                       |
| Focus Control                 |                       | Simple focus, Manual                                                                                                                               |
| Lens Type                     |                       | DC auto iris, P iris(IR corrected)                                                                                                                 |
| Pan / Tilt / Rotate           |                       |                                                                                                                                                    |
| Pan / Tilt / Rotate Range     | Pan                   | -175°~175°                                                                                                                                         |
|                               | Tilt                  | 0°~85°                                                                                                                                             |
|                               | Rotate                | -175°~175°                                                                                                                                         |
|                               | Others                | Remote adjustment(Max. 200cycles)                                                                                                                  |
| Operational                   |                       |                                                                                                                                                    |
| Day & Night                   |                       | Auto(ICR)                                                                                                                                          |

## Operational

|                                          |                |                                                                                                                                                                                  |
|------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Backlight Compensation                   |                | BLC, HLC, WDR, SSDR                                                                                                                                                              |
| Wide Dynamic Range (dB)                  |                | 120                                                                                                                                                                              |
| Digital Noise Reduction                  |                | SSNR V                                                                                                                                                                           |
| Digital Image Stabilization              |                | Support                                                                                                                                                                          |
| Defog                                    |                | Support                                                                                                                                                                          |
| Motion Detection                         | Quantity       | 8ea                                                                                                                                                                              |
|                                          | Shape          | 8point Polygonal zones                                                                                                                                                           |
| Privacy Masking                          | Quantity       | 32ea                                                                                                                                                                             |
|                                          | Shape          | 4point Quadrangle zones                                                                                                                                                          |
|                                          | Color / Option | Gray, Green, Red, Blue, Black, White, Mosaic                                                                                                                                     |
| Gain Control                             |                | Support                                                                                                                                                                          |
| White Balance                            |                | ATW, AWC, Manual, Indoor, Outdoor                                                                                                                                                |
| LDC                                      |                | Support                                                                                                                                                                          |
| Electronic Shutter                       | Mode           | Minimum, Maximum, Anti flicker                                                                                                                                                   |
|                                          | Speed Range    | 2~1/12,000sec                                                                                                                                                                    |
| Video Rotation                           |                | Flip, Mirror, Hallway view(90°/270°)                                                                                                                                             |
| Alarm Interface                          | In/Out         | Input 1ea, Output 1ea                                                                                                                                                            |
| Alarm Triggers                           |                | Analytics, Network disconnect, Alarm input                                                                                                                                       |
| Alarm Events When Alarm Trigger Occurred |                | File upload(image): e-mail/FTP,<br>Notification: e-mail,<br>Recording: SD/SDHC/SDXC or NAS recording at event triggers.Alarm output,<br>Handover: PTZ preset,Audio clip playback |
| Audio In                                 |                | Selectable(mic in/line in)                                                                                                                                                       |
| Audio Out                                |                | Line out                                                                                                                                                                         |

## Analytics

|                       |        |                                                                                                                                                                                                                                                                   |
|-----------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Analytics Events      | Normal | Defocus detection, Motion detection, Tampering, Fog detection, Face detection, Audio detection, Sound classification, Shock detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction) , Digital auto tracking |
| Business Intelligence | Normal | People counting, Queue management, Heatmap                                                                                                                                                                                                                        |

## Network

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Ethernet          | RJ-45(10/100BASE-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,<br>G.726: 16kbps,24kbps,32kbps,40kbps,<br>AAC-LC: 48kbps at 16kHz |
| Smart Codec       | Manual, WiseStream II                                                                                                         |
| Bitrate Control   | H.265/H.264: CBR or VBR,<br>MJPEG: VBR                                                                                        |

## Network

|                                   |                    |                                                                                                                                                                                                                    |
|-----------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Streaming                         | Unicast            | Up to 20 users                                                                                                                                                                                                     |
|                                   | Multicast          | Support                                                                                                                                                                                                            |
|                                   | Multiple Streaming | Up to 10 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), PIM-SM |
| Application Programming Interface | ONVIF              | S, G, T                                                                                                                                                                                                            |
|                                   | Others             | SUNAPI(HTTP API), Hanwha Vision Open Platform                                                                                                                                                                      |
| Direct Cloud Connection           |                    | Optional (needs gateway)                                                                                                                                                                                           |

## Security

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| User authentication    | Digest authentication                                                   |
| Network authentication | IEEE 802.1X(EAP-TLS, EAP-LEAP)                                          |
| Secure Communication   | HTTPS, SRTP                                                             |
| Access Control         | IP-based access control                                                 |
| Data Protect           | Encryption credentials, Encrypt compress for live recording file export |
| Audit                  | Access / System / Event Log management                                  |

## General

|              |                    |                                 |
|--------------|--------------------|---------------------------------|
| Memory       | RAM                | 1GB                             |
|              | Flash              | 256MB                           |
| Edge Storage | Micro SD/SDHC/SDXC | Max. 256GB x 2slot(Total 512GB) |

## Environmental & Electrical

|                     |             |                                 |
|---------------------|-------------|---------------------------------|
| Operating Condition | Temperature | -25°C~+60°C(-13°F~+140°F)       |
|                     | Humidity    | 0~90% RH(non-condensing)        |
| Storage Condition   | Temperature | -50°C~+60°C(-58°F~+140°F)       |
|                     | Humidity    | 0~90% RH(non-condensing)        |
| Input Voltage       |             | PoE(IEEE802.3af, Class3), 12VDC |
| Power Consumption   | PoE         | Max 11W, typical 5.40W          |
|                     | 12VDC       | Max 9W, typical 3.75W           |

## Mechanical

|                    |                       |
|--------------------|-----------------------|
| Color              | White                 |
| Material           | Aluminum              |
| RAL Code           | RAL9003               |
| Product Dimensions | Ø160x125mm(Ø6.3x4.9") |
| Product Weight     | 1.450g(3.20lb)        |

Certifications & Standards

|             |                                |
|-------------|--------------------------------|
| Environment | IEC 60529 IP52, IEC 62262 IK10 |
|-------------|--------------------------------|

# XND-8081VZ

5M H.265 Dome Camera



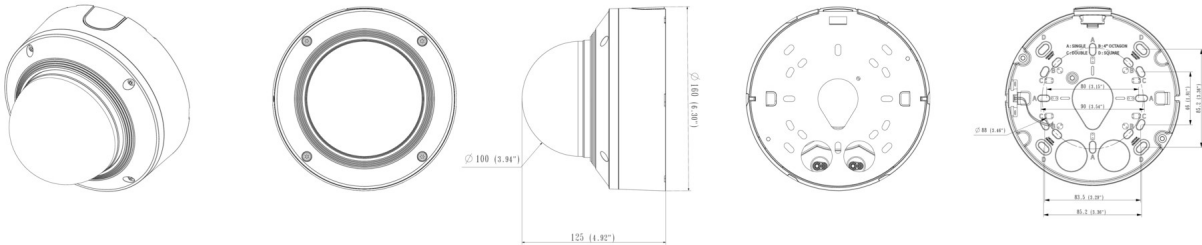
**CAD**

Unit: mm [inch]

APPERANCE-XND-6081VZ/8081VZ/6081V/6081RV/8081RV

Unit : mm (inch)  
SCALE 1:1  
ver.190603

X-PLUS INDOOR VANDAL



X-PLUS INDOOR VANDAL with SKIN-COVER

