



Network

Dome

## XNV-6080RSA

2MP Stainless IR Dome Camera



### Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- 2.8 ~ 12mm (4.3x) motorized varifocal lens
- Max. 60fps@all resolutions (H.265 / H.264)
- H.265, H.264, MJPEG codec supported, Multiple streaming
- Day & Night (ICR), WDR (150dB), Defog
- Loitering, Directional detection, Tampering, Audio detection, Digital auto tracking, Fog detection, Sound classification
- Motion detection, Handover
- SD/SDHC/SDXC memory 2slots (Max. 512GB)
- Hallway view, WiseStream II support
- IR viewable length 50m
- IP66, IP6K9K, IK10+, NEMA4X
- NSF/ANSI 169-2016: Special purpose food equipment and devices
- LDC, PoE support

### Compatible Devices



SBP-300PMS



SBP-300KMS



SBP-300HMS6



SBP-300WMS1



SBP-300WMS

# XNV-6080RSA

2MP Stainless IR Dome Camera



## Specifications

| Video                         |                       |                                                                                                                                 |
|-------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device                | Size                  | 1/2.8"                                                                                                                          |
|                               | Type                  | CMOS                                                                                                                            |
| Resolution                    |                       | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240               |
| Max. Framerate                | H.265/H.264           | 60fps/50fps(60Hz/50Hz)                                                                                                          |
|                               | MJPEG                 | 60fps                                                                                                                           |
| Min. Illumination (Lux)       | Color(1/30sec, 30IRE) | 0.015                                                                                                                           |
|                               | BW(1/30sec, 30IRE)    | 0.0015                                                                                                                          |
| Video Out                     |                       | CVBS: 1.0 Vp-p / 75Ω composite for installation,<br>USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle. |
| Lens                          |                       |                                                                                                                                 |
| Focal Length (mm)             |                       | 2.8~12                                                                                                                          |
| Zoom Ratio                    | Optical               | 4.3x                                                                                                                            |
| Max Aperture Ratio (F number) | Wide                  | 1.4                                                                                                                             |
|                               | Tele                  | 3.6                                                                                                                             |
| Angular Field of View         | Horizontal            | 120°~27°                                                                                                                        |
|                               | Vertical              | 63°~15°                                                                                                                         |
|                               | Diagonal              | 143°~32°                                                                                                                        |
| Min. Object Distance          |                       | 0.5m(1.64ft)                                                                                                                    |
| Focus Control                 |                       | Simple focus                                                                                                                    |
| Lens Type                     |                       | DC auto iris, P iris(IR corrected)                                                                                              |
| Pan / Tilt / Rotate           |                       |                                                                                                                                 |
| Pan / Tilt / Rotate Range     | Pan                   | 0°~354°                                                                                                                         |
|                               | Tilt                  | 0°~67°                                                                                                                          |
|                               | Rotate                | 0°~355°                                                                                                                         |
| Operational                   |                       |                                                                                                                                 |
| Day & Night                   |                       | Auto(ICR)                                                                                                                       |
| Backlight Compensation        |                       | BLC, HLC, WDR                                                                                                                   |

## Operational

|                                          |                |                                                                                                                                                              |
|------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wide Dynamic Range (dB)                  |                | 150                                                                                                                                                          |
| Digital Noise Reduction                  |                | SSNR V                                                                                                                                                       |
| Digital Image Stabilization              |                | Support                                                                                                                                                      |
| Defog                                    |                | Support                                                                                                                                                      |
| Motion Detection                         | Quantity       | 8ea                                                                                                                                                          |
|                                          | Shape          | 8point Polygonal zones                                                                                                                                       |
| Privacy Masking                          | Quantity       | 32ea                                                                                                                                                         |
|                                          | Shape          | Polygonal zones                                                                                                                                              |
|                                          | Color / Option | Gray, Green, Red, Blue, Black, White, Mosaic                                                                                                                 |
| Gain Control                             |                | Low, Middle, High                                                                                                                                            |
| 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 In                                 |                | Selectable(mic in/line in)                                                                                                                                   |
| Audio Out                                |                | Line out                                                                                                                                                     |
| Light Type                               |                | IR LED                                                                                                                                                       |
| Light Viewable Length                    | IR             | 50m(164.04ft)                                                                                                                                                |
| IR Wavelength                            |                | 850nm                                                                                                                                                        |

## Analytics

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

## 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, PIM-SM |
| Application Programming Interface | ONVIF              | S, G, T                                                                                                                                                                              |
|                                   | Others             | SUNAPI(HTTP API), Hanwha Vision Open Platform                                                                                                                                        |

## General

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

## Environmental & Electrical

|                     |             |                                        |
|---------------------|-------------|----------------------------------------|
| Operating Condition | Temperature | -40°C~+55°C(-40°F~+131°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, 24VAC |
| Power Consumption   | PoE         | Max 12.95W                             |
|                     | 12VDC       | Max 11.5W                              |
|                     | 24VAC       | Max 14W                                |

## Mechanical

|                    |                           |
|--------------------|---------------------------|
| Color              | Silver                    |
| Material           | Stainless(STS316L)        |
| Product Dimensions | Ø162x120.5mm(Ø6.38x4.74") |
| Product Weight     | 2.8kg(6.17lb)             |

## Certifications & Standards

|             |                                                                                                                                                                              |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC         | FCC 47 CFR 15 Subpart B Class A, ICES-3(A)/NMB-3(A), CE/UKCA - EN55032 Class A, EN 50130-4, 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 62471                                                                                                                             |
| Environment | IEC/EN 63000, IEC 60529 IP66, ISO 20653 IP6K9K, IEC 62262 IK10+, NEMA 250 type 4X, NSF/ANSI Standard 169                                                                     |

## DORI (EN62676-4 standard)

|                      |      |                  |
|----------------------|------|------------------|
| Detect (25PPM/ 8PPF) | Wide | 22.2m(72.74ft)   |
|                      | Tele | 159.9m(524.76ft) |

## DORI (EN62676-4 standard)

|                           |      |                 |
|---------------------------|------|-----------------|
| Observe (63PPM/ 19PPF)    | Wide | 8.9m(29.09ft)   |
|                           | Tele | 64.0m(209.90ft) |
| Recognize (125PPM/ 38PPF) | Wide | 4.4m(14.55ft)   |
|                           | Tele | 32.0m(104.95ft) |
| Identify (250PPM/ 76PPF)  | Wide | 2.2m(7.27ft)    |
|                           | Tele | 16.0(52.48ft)   |

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CAD

Unit: mm [inch]

