



Network

Dome

# XNV-6120R

2M H.265 IR Dome Camera



## Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- 5.2 ~ 62.4mm (Optical 12X) Optical Lens
- Max. 60fps@all resolutions (H.265 / H.264)
- H.265, H.264, MJPEG Codec Supported
- Multiple streaming, IVA, Sound Classification
- Day & Night (ICR), WDR (150dB), Defog, Handover
- Fog Detection, Tampering, Motion Detection
- SD / SDHC / SDXC 2 Slot (Max. 512GB)
- Hallway View, WiseStreamII Support
- IR Viewable Length 70m (229.66ft)

## XNV-6120R

2M H.265 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                 | 30fps                                                                                                                           |
| Min. Illumination (Lux) | Color(1/30sec, 30IRE) | 0.03                                                                                                                            |
|                         | BW(1/30sec, 30IRE)    | 0.003                                                                                                                           |
| 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)             |            | 5.2~62.4     |
| Zoom Ratio                    | Optical    | 12x          |
| Max Aperture Ratio (F number) | Wide       | 1.6          |
|                               | Tele       | 3.0          |
| Angular Field of View         | Horizontal | 54.58°~5.30° |
|                               | Vertical   | 32.19°~3.00° |
|                               | Diagonal   | 61.4°~6.06°  |
| Min. Object Distance          |            | 2.1m(6.89ft) |
| Focus Control                 |            | Oneshot AF   |
| Lens Type                     |            | DC auto iris |

| Pan / Tilt / Rotate       |        |         |
|---------------------------|--------|---------|
| Pan / Tilt / Rotate Range | Pan    | 0°~354° |
|                           | Tilt   | 0°~75°  |
|                           | Rotate | 0°~355° |

| Operational            |                     |
|------------------------|---------------------|
| Day & Night            | Auto(ICR)           |
| Backlight Compensation | BLC, HLC, WDR, SSDR |

## 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 |
| Audio In                                 |                | Selectable(mic in/line in)                                                                                                          |
| Audio Out                                |                | Line out                                                                                                                            |
| Light Type                               |                | IR LED                                                                                                                              |
| Light Viewable Length                    | IR             | 70m(229.66ft)                                                                                                                       |
| 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, IGMPv2, 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

|                        |                                                                         |  |
|------------------------|-------------------------------------------------------------------------|--|
| OS / Firmware Protect  | Encrypted firmware, Secure boot, Signed firmware                        |  |
| User authentication    | Digest authentication                                                   |  |
| Network authentication | IEEE 802.1X(EAP-TLS, EAP-LEAP)                                          |  |
| 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                                  |  |
| Secure Storage         | SDcard partition encrypt(AES-256)                                       |  |

## General

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

## Environmental & Electrical

|                     |             |                                        |
|---------------------|-------------|----------------------------------------|
| Operating Condition | Temperature | -40°C~+55°C(-40°F~+131°F)              |
|                     | Humidity    | 0~90% RH(non-condensing)               |
|                     | Others      | Start up should be done at above -35°C |
| 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    | Ivory    |
| Material | Aluminum |

**Mechanical**

|                    |                          |
|--------------------|--------------------------|
| Product Dimensions | ø160x128.5mm(6.30x5.06") |
| Product Weight     | 995g(2.19lb)             |

**Certifications & Standards**

|             |                                                                  |
|-------------|------------------------------------------------------------------|
| Environment | IEC 60529 IP66, IEC 60529 IP67, IEC 62262 IK10, NEMA 250 type 4X |
|-------------|------------------------------------------------------------------|

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CAD

Unit: mm [inch]

