

# XNV-6120

2M Vandal-Resistant Network Dome Camera

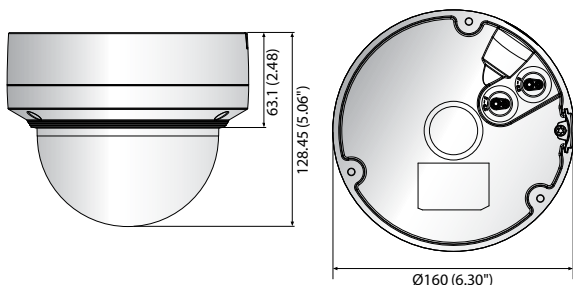


## Key Features

- 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
- Day & Night (ICR), WDR (150dB), Defog
- Loitering, Directional detection, Fog Detection, Audio detection, Sound Classification, Tampering
- Motion Detection, Handover
- SD / SDHC / SDXC 2 Slot (Max. 512GB)
- Hallway View, WiseStreamII Support
- IP67 / IP66, NEMA 4X, IK10
- LDC Support (Lens Distortion Correction)
- PoE, 24V AC, 12V DC, Bi-directional audio Support

## Dimensions

Unit : mm (inch)



## Accessories (Optional)



XNV-6120	
<b>VIDEO</b>	
Imaging Device	1/2.8" 2M CMOS
Total Pixels	1,945(H) x 1,109(V) 2.16M
Effective Pixels	1,945(H) x 1,097(V) 2.13M
Scanning System	Progressive
Min. Illumination	Color : 0.03 Lux (F1.6, 1/30sec), B/W : 0.003 Lux (F1.6, 1/30sec)
S / N Ratio	50dB
Video Out	CVBS : 1.0Vp-p / 75Ω Composite, 720 x 480(N), 720 x 576(P), for Installation USB : Micro USB Type B, 1280 x 720, for Installation
<b>LENS</b>	
Focal Length (Zoom Ratio)	5.2 ~ 62.4mm (Optical 12X)
Max. Aperture Ratio	F1.6(Wide) ~ F3.0(Tele)
Angular Field of View	H : 54.58°(Wide) ~ 5.30°(Tele) / V : 32.19°(Wide) ~ 3.00°(Tele) / D : 61.40°(Wide) ~ 6.06°(Tele)
Min. Object Distance	2.1m (6.89ft)
Focus Control	Auto / Manual / One shot AF
Lens / Mount Type	DC Auto Iris / Board-in Type
<b>PAN / TILT / ROTATE</b>	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 75° / 0° ~ 355°
<b>OPERATIONAL</b>	
Camera Title	Off / On (Displayed up to 85 Characters) - W/W : English / Numeric / Special Characters - China : English / Numeric / Special / Chinese Characters - Common : Multi-line (Max. 5), Color (Grey / Green / Red / Blue / Black / White), Transparency, Auto scale by Resolution
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC / HLC (Masking / Dimming), WDR
Wide Dynamic Range	150dB
Contrast Enhancement	SSDR (Off / On)
Digital Noise Reduction	SSNRV (2D + 3D Noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto / Manual
Motion Detection	Off / On (8ea, 8Point polygonal zones), Handover
Privacy Masking	Off / On (32ea, Rectangle zones) - Color : Grey / Green / Red / Blue / Black / White - Mosaic
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor (Included Mercury & Sodium)
Contrast	Level Adjustment
LDC (Lens Distortion Correction)	Off / On (5 Levels with Min / Max)
Electronic Shutter Speed	Minimum / Maximum / Anti Flicker (2 ~ 1/12,000sec)
Digital Zoom	24x
Presets	300ea
Rotate Image	Flip : Off / On, Mirror : Off / On, Hallway : 90° / 270°
Video & Audio Analytics	Tampering, Loitering, Directional detection, Defocus Detection, Fog Detection, Virtual Line, Enter / Exit, (Dis)Appear, Audio detection, Face detection, Motion detection, Sound Classification
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Alarm Input, Motion detection, Video & Audio Analytics, Network disconnect
Alarm Events	File Upload Via FTP, E-mail, Notification via e-mail, Local Storage (SD / SDHC / SDXC) or NAS recording at event triggers, External output, Preset
Pixel Counter	Support
<b>NETWORK</b>	
Ethernet	RJ-45 (10 / 100 BASE-T)
Video Compression Format	H.265 / H.264 (MPEG-4 part 10/AVC) : Main / Baseline / High, MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240
Max. Framerate	H.265 / H.264 : Max. 60fps at all resolutions, MJPEG : Max. 30fps at all resolutions
Smart Codec	Manual Mode (Area-Based : 5ea)
WiseStreamII	Support
Video Quality Adjustment	H.265 / H.264 : MJPEG : Target bitrate level control
Bitrate Control Method	H.265 / H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 Profiles)
Audio In	Selectable (Mic in / Line in), Supply Voltage : 2.5V DC (4mA), Input Impedance : Approx. 2K Ohm
Audio Out	Line Out (3.5mm Mono Jack), Max Output Level : 1 Vrms
Audio Compression Format	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
Audio Communication	Bi-directional (2-way)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTCP, RTP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3 (MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS (SSL) Login Authentication, Digest Login Authentication IP address filtering, User access log, 802.1X Authentication (EAP-TLS, EAP-LEAP)
Streaming Method	Unicast / Multicast
Max. User Access	20 Users at Unicast Mode
Edge Storage	SD / SDHC / SDXC 2Slot (Up to 512GB) - Continuous Recording (1st Slot to 2nd Slot) - Motion Images recorded in the SD / SDHC / SDXC Memory Card Can be Downloaded. NAS (Network Attached Storage), Local PC for Instant Recording
Application Programming Interface	ONVIF Profile S/G, SUNAPI 2.0 (HTTP API), Wisenet Open Platform
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Supported OS	Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12
Web Viewer	Non-Plugin Web Viewer Supported Browser : Google Chrome 56, MS Edge 39, Mozilla Firefox 49 (Window 64bit only), Apple Safari 10 (Mac OS X only) Plug-in Web Viewer Supported Browser : MS Explore 11, Apple Safari 10 (Mac OS X only)
Central Management Software	SmartViewer
<b>ENVIRONMENTAL</b>	
Operating Temperature / Humidity	-40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH * Start up should be done at above -35°C (-31°F)
Storage Temperature / Humidity	-50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH
Ingress Protection / Vandal Resistance	IP67, IP66, NEMA 4X / IK10
<b>ELECTRICAL</b>	
Input Voltage / Current	24V AC, 12V DC, PoE (IEEE802.3af Class3)
Power Consumption	24V AC : Max 8.2W, 12V DC : Max 7W, PoE : Max 7.8W
<b>MECHANICAL</b>	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø160 x 128.45mm (Ø6.30" x 5.06")
Weight	985g (2.17 lb)

\* The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)  
\* Design and specifications are subject to change without notice.