

# XNP-6320H/6320

2M 32x Network PTZ Dome Camera



XNP-6320H

XNP-6320

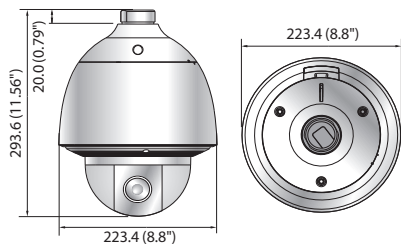
## Key Features

- Max. 2MP (1920 x 1080) resolution
- H.265, H.264, MJPEG codec support
- Multiple streaming, WiseStreamII support
- Day & Night (ICR), WDR (150dB)
- DIS with Built-in Gyro sensor
- Auto tracking, Intelligent video analytics
- Memory slot (Max. 512GB)
- IP66, IK10 (XNP-6320H), IK10 (XNP-6320 + SHP-3701H only)

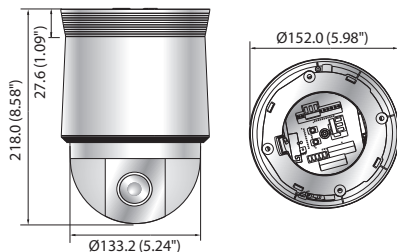
## Dimensions

Unit : mm (inch)

XNP-6320H



XNP-6320



	XNP-6320H	XNP-6320
<b>VIDEO</b>		
Imaging Device	1/2.8" 2.4M CMOS	
Total / Effective Pixels	1,981 (H) x 1,288 (V), 2.55M / 1,944 (H) x 1,212 (V), 2.35M	
Scanning System	Progressive	
Min. Illumination	Color : 0.05Lux (F1.6), B/W : 0.005Lux (F1.6)	
S / N Ratio	50dB	
Video Output	CVBS : 1.0 Vpp / 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)	4.44 ~ 142.6mm (Optical 32x)	
Max. Aperture Ratio	F1.6 (Wide) / F4.4 (Tele)	
Angular Field of View	H : 61.8° (Wide) ~ 2.19° (Tele) / V : 36.2° (Wide) ~ 1.24° (Tele)	
Min. Object Distance	Wide : 1.5m (4.92ft), Tele : 2m (6.56ft)	
Focus Control	Auto / Manual / One shot AF	
Lens / Mount Type	DC Auto Iris / Board-in type	
<b>PAN / TILT / ROTATE</b>		
Pan / Tilt Range	360° Endless	
Pan / Tilt Speed	Preset : 700°/sec, Manual : 0.024°/sec ~ 200°/sec	
Sequence	Preset (300ea), Swing, Group (6ea), Trace, Tour (1ea), Auto run, Schedule	
Preset Accuracy / Azimuth	±0.2° / Yes (E / W / S / N / NE / NW / SE / SW)	
Auto Tracking	Support	
<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 (Gray / Green / Red / Blue / Black / White), Transparency, Auto scale by resolution	
Day & Night	Auto (ICR) / Color / B/W / Schedule	
Backlight Compensation	Off / BLC / HLC / 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 (Built-in Gyro sensor)	
Defog	Off / Auto / Manual	
Motion Detection	Off / On (8ea, Polygonal)	
Privacy Masking	Off / On (24 zones of rectangle zone) - Color : Gray / Green / Red / Blue / Black / White - Zoom ratio option for mask mode - Mosaic option	
Gain Control	Off / Low / Middle / High	
White Balance	ATW / AWC / Manual / Indoor / Outdoor (included mercury & Sodium)	
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1 ~ 1/12,000sec)	
Digital Zoom	32x	
Flip / Mirror	Off / On	
Intelligent video analytics	Tampering, Loitering, Directional detection, Fog detection, Virtual line, Enter/Exit, (Dis) Appear, Audio detection, Face detection, Motion detection, Sound classification	
Alarm I/O	Input 4ea / Output 2ea (Relay)	
Remote Control Interface	RS-485- Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell	
Alarm Triggers	Alarm input, Motion detection, Video & Audio analytics, Network disconnect	
Alarm Events	File upload Via FTP and E-mail, Notification Via E-mail, TCP and HTTP, Local storage (SD/SDHC/SDXC) or NAS recording at alarm 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), 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. 2KΩhm	
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, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour	
Security	HTTPS(SSL) login authentication, Digest login authentication	
Streaming Method	IP address filtering, User access log, 802.1x authentication (EAP-TLS, EAP-LEAP)	
Max. User Access	Unicast / Multicast 20 users at Unicast mode	
Edge Storage	Micro SD/SDHC/SDXC 2slot (up to 512 GB) - 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	
Web Viewer	Supported OS : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Plug-in Free Webviewer - Supported Browser : Google Chrome, MS Edge, Mozilla Firefox (Window 64bit only), Apple Safari 10 (Mac OS X only)	
Web Viewer	Plug-in Webviewer - Supported Browser : MS Explore 11, Apple Safari 10 (Mac OS X only)	
Central Management Software	SmartViewer, SSM	
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH PoE+ : -35°C ~ +55°C (-31°F ~ +131°F) / Less than 90% RH * Start up should be done at above -30°C (-22°F)	
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH	
Ingress Protection / Vandal Resistance	IP66 / IK10	
Electrical	24V AC ±10%, PoE+ (IEEE802.3at, Class4)	
Input Voltage / Current	Max. 24W (Heater Off), Max. 65W (Heater on, 24V AC) / Max. 20W	
Power Consumption		
<b>MECHANICAL</b>		
Color / Material	Ivory / Plastic + Metal	
Dimensions (WxH)	Ø223.4 x 293.6mm (Ø8.8" x 11.56")	
Weight	3.3Kg (7.28 lb) / 1.7Kg (3.75 lb)	

## Accessories (Optional)



# XNP-6320HS

2M 32x Network Stainless PTZ Dome Camera

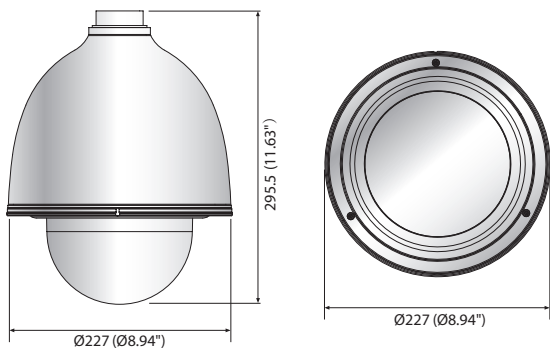


## Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- 4.44 ~ 142.6 (32x) optical zoom, 32x digital zoom
- H.265, H.264, MJPEG codec support, Multiple streaming
- WiseStreamII support
- Day & Night (ICR), WDR (150dB)
- Loitering, Directional detection, Fog detection, Audio detection, Digital auto tracking, Sound classification, Face detection, Tampering
- Motion detection
- SD/SDHC/SDXC memory slot (Max. 512GB), 24V AC / PoE
- IP67, IP66, NEMA4X, IK10
- Material : SUS316L

## Dimensions

Unit : mm (inch)



## Accessories (Optional)



## XNP-6320HS

<b>VIDEO</b>	Imaging Device: 1/2.8" 2.4M CMOS Total Pixels: 1,981(H) x 1,288(V), 2.55M Effective Pixels: 1,944(H) x 1,212(V), 2.35M Scanning System: Progressive Min. Illumination: Color: 0.05Lux (F1.6), B/W: 0.005Lux (F1.6) S/N Ratio: 50dB Video Out: CVBS: 1.0Vpp / 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): 4.44 ~ 142.6mm (Optical 32x) Max. Aperture Ratio: F1.6 (Wide) ~ F4.4(Tele) Angular Field of View: H: 61.8°(Wide) ~ 2.19°(Tele) / V: 36.2°(Wide) ~ 1.24°(Tele) Min. Object Distance: 1.5m (4.92ft) (Wide), 2m (6.56ft) (Tele) Focus Control: Auto / Manual / One shot AF Lens / Mount Type: DC Auto Iris / Board-in Type
<b>PAN/TILT/ROTATE</b>	Pan / Tilt Range: 360° Endless / 210° (-15° ~ 195°) Pan Speed: Preset: 700°/sec, Manual: 0.024°/sec ~ 200°/sec Tilt Speed: Preset: 700°/sec, Manual: 0.024°/sec ~ 200°/sec Sequence / Preset Accuracy: Preset (300ea), Swing, Group (6ea), Trace, Tour (1ea), Auto run, Schedule / ±0.2° Azimuth: Yes (E / W / S / N / NE / NW / SE / SW) Auto Tracking: Support
<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 (Gray / Green / Red / Blue / Black / White), Transparency, Auto scale by resolution Day & Night: Auto (ICR) / Color / B/W / Schedule Backlight Compensation: Off / BLC / HLC / WDR Wide Dynamic Range: 150dB Contrast Enhancement: SDR (Off / On) Digital Noise Reduction: SSNRV (2D + 3D Noise filter) (Off / On) Digital Image Stabilization: Off / On (Built-in Gyro sensor) Defog: Auto / Manual / Off Motion Detection: Off / On (8ea, polygonal) Privacy Masking: Off / On (24 zones of rectangle zone) - Color: Gray / Green / Red / Blue / Black / White - Zoom ratio option for mask mode - Mosaic option Gain Control: Off / Low / Middle / High White Balance: ATW / AWC / Manual / Indoor / Outdoor (included Mercury & Sodium) Electronic Shutter Speed: Minimum / Maximum / Anti flicker (1 ~ 1/12,000sec) Digital Zoom: 32x Flip / Mirror: Off / On Video & Audio Analytics: Tampering, Loitering, Directional detection, Fog detection, Virtual line, Enter/Exit, (Dis) Appear, Audio detection, Face detection, Sound classification Serial Interface: RS-485: Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicom, Honeywell Alarm I/O: Input 4ea / Output 2ea (Relay) Alarm Triggers: Alarm input, Motion detection, Video & Audio analytics, Network disconnect Alarm Events: File upload via FTP and E-Mail, Notification via E-Mail, TCP and HTTP, local storage (SD/SDHC/SDXC) or NAS recording at alarm triggers, External output, Preset Support <b>PIXEL COUNTER</b> <b>NETWORK</b> Ethernet: RJ-45 (10/100 BASE-T) Video Compression Format: H.265 / H.264 (MPEG-4 part 10/AVC), 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 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. 2KΩ 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, RTSP, 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: Micro SD/SDHC/SDXC 2slot (up to 512 GB) - 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 Plug-in free WebViewer Web Viewer: - Supported Browser: Google Chrome, MS Edge, Mozilla Firefox (Windows 64bit only), Apple Safari 10 (Mac OS X only) Plug-in WebViewer - Supported Browser: MS Explore 11, Apple Safari 10 (Mac OS X only) <b>Central Management Software</b> : SmartViewer, SSM <b>ENVIRONMENTAL</b> Operating Temperature / Humidity: -50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH (24V AC) * Start up should be done at above -40°C (-40°F) -35°C ~ +55°C (-31°F ~ +131°F) / Less than 90% RH (PoE+) * Start up should be done at above -25°C (-13°F) Storage Temperature / Humidity: -30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH Ingress Protection: IP66, IP67, NEMA4X Vandal Resistance: IK10 <b>ELECTRICAL</b> Input Voltage / Current: 24V AC ±10%, PoE+ (IEEE802.3at, Class4) Power Consumption: Max. 24W (Heater off), Max. 65W (24V AC - Heater on) <b>MECHANICAL</b> Color / Material: SUS316L Dimensions (WxHxD): Ø227 x 295.5mm (Ø8.94" x 11.63") Weight: 5.3Kg (11.68 lb) * The latest product information / specification can be found at hanwha-security.com * Design and specifications are subject to change without notice. * Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.