

# XNP-6040H

2M 4.3x Network PTZ Dome Camera

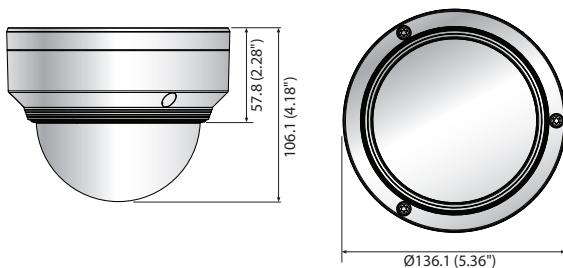


## Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- 2.8 ~ 12mm (4.3x), 24x digital zoom
- H.265, H.264, MJPEG codec supported, Multiple streaming
- WiseStreamII Support
- Day & Night (ICR), WDR (150dB)
- Digital image stabilization with Built-in Gyro sensor
- Loitering, Directional detection, Fog detection, Audio detection, Digital auto tracking, Sound classification, Tampering
- Motion detection
- SD/SDHC/SDXC memory slot (Max. 512GB), PoE / 12V DC
- IP66, IK10 support

## Dimensions

Unit : mm (inch)



## XNP-6040H

<b>VIDEO</b>	
Imaging Device	1/2.8" 2.16M 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 : 0.015 Lux (1/30sec, F1.4), B/W : 0.0015 Lux (1/30sec, F1.4)
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)	2.8 ~ 12mm (Optical 4.3x)
Max. Aperture Ratio	F1.4
Angular Field of View	H : 119.5° ~ 27.9°, V : 62.8° ~ 15.7°, D : 142.1° ~ 32.0°
Min. Object Distance	1.5m (4.92ft) (Wide), 2m (6.56ft) (Tele)
Focus Control	Auto / Manual / One Push
Lens / Mount Type	DC Auto Iris / Board-in type
<b>PAN/TILT/ROTATE</b>	
Pan Range / Speed	0° ~ 350° / 0.1°/sec ~ 60°/sec
Tilt Range / Speed	0° ~ 90° / 0.1°/sec ~ 60°/sec
Sequence / Preset Accuracy	Preset (300ea), Swing, Group (6ea), Trace_Tour (1ea), Auto Run, Schedule / ± 0.5°
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) - WW : 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
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, 8point Polygonal zones)
Privacy Masking	Off / On (24ea, Rectangle zones) - Color : Gray / Green / Red / Blue / Black / White - Zoom ratio option for mask mode - Mosaic
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor (included Mercury & Sodium)
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)
Digital Zoom	24x, area zoom function support digital zoom 2x
Flip / Mirror	Off / On
Video & Audio Analytics	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis) Appear, Audio detection, Face detection, Motion detection, Digital auto tracking, Sound classification
Serial Interface	RS-485 - Samsung-T/E, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Tampering, Audio detection, Face detecton, Video analytics, Alarm input, Network disconnection
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
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, RTSP, NTP, HTTP, HTTPS, SSL, 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 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.
Edge Storage	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, French, German, Spanish, Italian, Chinese, Russian, Japanese, Swedish, Portuguese, Turkish, Polish, Czech, Dutch, Hungary, Greek Supported OS : Windows 7, 8, 10, Mac OS X 10.10, 10.11, 10.12 Non-plugin Webviewer - Supported Browser : Google Chrome, MS Edge, Mozilla Firefox, Apple Safari 10
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	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection / Vandal Resistance	IP66 / IK10
<b>ELECTRICAL</b>	
Input Voltage / Current	12V DC, PoE
Power Consumption	Max. 8.6W (12V DC), Max. 9.6W (PoE)
<b>MECHANICAL</b>	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø136.1 x 106.1mm (Ø5.36" x 4.18")
Weight	0.78 kg (1.72 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.