Hanwha Vision

Network   PTZ

# XNP-6040H

2M H.265 4.3x PTZ Camera

FC | c(UL)us LISTED | CE | EAC | NDAA COMPLIANT

## Key Features

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

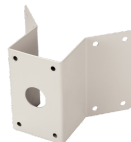## Compatible Accessories (Optional)
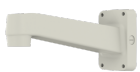
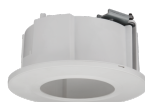| SBP-300CM | SBV-136B | SBP-300PM | SBP-300KM | SBP-300WM1 | SBP-300LM | SBP-137WM1 |
| --- | --- | --- | --- | --- | --- | --- |

| SBP-390WM2 | SBP-300WM | SBP-300B | SHD-1408FW | SPB-PTZ71 | SBP-301HM5 | SBP-300NB |
| --- | --- | --- | --- | --- | --- | --- |

# XNP-6040H

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## Specifications

### Video

| | |
|---|---|
| Imaging Device | 1/2.8" CMOS |
| Resolution | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate | H.265/H.264: Max. 60fps/50fps(60Hz/50Hz)<br>MJPEG: Max. 30fps/25fps(60Hz/50Hz) |
| Min. Illumination | Color: 0.015Lux(F1.4, 1/30sec)<br>BW: 0.0015Lux(F1.4, 1/30sec) |
| Video Out | CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation<br>USB: Micro USB type B, 1280x720 for installation |

### Lens

| | |
|---|---|
| Focal Length (Zoom Ratio) | 2.8~12mm(4.3x) zoom |
| Max. Aperture Ratio | F1.4 |
| Angular Field of View | H: 119.5-(Wide)~27.9-(Tele) / V: 62.8-(Wide)~15.7-(Tele) / D: 142.1-(Wide)~32.0-(Tele) |
| Min. Object Distance | Wide: 1.5m(4.92ft), Tele: 2m(6.56ft) |
| Focus Control | Oneshot AF |
| Lens Type | DC auto iris |

### Pan / Tilt / Rotate

| | |
|---|---|
| Pan Range | 0- ~ 350- |
| Pan Speed | 0.1-/sec ~60-/sec |
| Tilt Range | 0- ~90- |
| Tilt Speed | 0.1-/sec ~60-/sec |
| Sequence | Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule |
| Preset Accuracy | ±0.5- |

### Operational

| | |
|---|---|
| Camera Title | Displayed up to 85 characters |
| Day & Night | Auto(ICR) |
| Backlight Compensation | BLC, HLC, WDR, SSDR |
| Wide Dynamic Range | 150dB |
| Digital Noise Reduction | SSNR V |
| Digital Image Stabilization | Support(built-in gyro sensor) |
| Defog | Support |
| Motion Detection | 8ea, 8point polygonal zones |

| | |
|---|---|
| Privacy Masking | 32ea, rectangular Support<br>- Color: Grey/Green/Red/Blue/Black/White<br>- Mosaic |
| Gain Control | Low / Middle / High |
| White Balance | ATW / AWC / Manual / Indoor / Outdoor |
| Electronic Shutter Speed | Minimum / Maximum / Anti flicker (2~1/12,000sec) |
| Video Rotation | Flip, Mirror |
| Analytics | Directional detection, Fog detection, Face detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification |
| Serial Interface | RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) |
| Alarm I/O | Input 1ea / Output 1ea |
| Alarm Triggers | Analytics, Network disconnect, Alarm input |
| Alarm Events | File upload via FTP and e-mail<br>Notification via e-mail<br>SD/SDHC/SDXC or NAS recording at event triggers<br>Alarm output<br>PTZ Preset |
| Audio In | Selectable(mic in/line in)<br>Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm |
| Audio Out | Line out, Max.output level: 1Vrms |
| Auto Tracking | Support |

## Network

| | |
|---|---|
| Ethernet | RJ-45(10/100BASE-T), SFP(Optional) |
| Video Compression | H.265, H.264, MJPEG |
| Audio Compression | G.711 u-law /G.726 Selectable<br>G.726(ADPCM) 8KHz, G.711 8KHz<br>G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps<br>AAC-LC: 48Kbps at 16KHz |
| Smart Codec | Manual(5ea area), WiseStream II |
| Bitrate Control | H.264/H.265: CBR or VBR<br>MJPEG: VBR |
| Streaming | Unicast(20 users) / Multicast (128 user)<br>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, PIM-SM, UPnP, Bonjour, LLDP, SRTP, NTCIP |
| Security | HTTPS(SSL) Login Authentication<br>Digest Login Authentication<br>IP Address Filtering<br>User access log<br>802.1X Authentication(EAP-TLS, EAP-LEAP) |
| Application Programming Interface | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform |

## General

| | |
|---|---|
| Webpage Language | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish,, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek |
| Edge Storage | Micro SD/SDHC/SDXC 2slot 512GB |
| Memory | 1024MB RAM, 256MB Flash |

## Environmental & Electrical

| | |
|---|---|
| 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 |

| Certification | IP66, IK10 |
|---|---|
| Input Voltage | DC12V, PoE(IEEE802.3af, Class3) |
| Power Consumption | DC12V: Max. 8.6W<br>PoE : Max. 9.6W |

## Mechanical

| Color / Material | Ivory / Aluminum |
|---|---|
| Product Dimensions / Weight | ø136x106mm(5.35x4.17"), 780g(1.72 lb) |

## DORI (EN62676-4 standard)

| Detect (25PPM/ 8PPF) | Wide: 22.4m(73.47ft) / Tele: 154.6m(507.18ft) |
|---|---|
| Observe (63PPM/ 19PPF) | Wide: 9.0m(29.39ft) / Tele: 61.8m(202.87ft) |
| Recognize (125PPM/ 38PPF) | Wide: 4.5m(14.69ft) / Tele: 30.9m(101.44ft) |
| Identify (250PPM/ 76PPF) | Wide: 2.2m(7.35ft) / Tele: 15.5m(50.72ft) |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
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4/5

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## CAD

**Unit:** mm [inch]