



Network

Dome

## XNV-6120

2M H.265 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
- IVA, Fog Detection, Sound Classification, Tampering
- Motion Detection, Handover
- SD / SDHC / SDXC 2 Slot (Max. 512GB)
- Hallway View, WiseStreamII Support
- IP67 / IP66, NEMA 4X, IK10

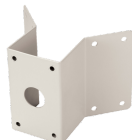
### Compatible Devices



SBP-300HM6



SBP-300PM



SBP-300KM



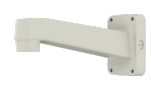
SBP-300WM1



SBP-300LM



SPB-VAN71



SBP-390WM2



SBP-300CM



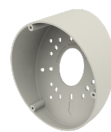
SBV-160WC



SBP-300B



SHD-1600FPW



SBP-160TM



SHP-1680FW



SBP-300WM

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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: 0.03Lux(F1.6, 1/30sec)<br>BW: 0.003Lux(F1.6, 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)   | 5.2~62.4mm(12x) zoom  |
| Max. Aperture Ratio         | F1.6(Wide)~F3.0(Tele)   |
| Angular Field of View       | H: 54.58°(Wide)~5.30°(Tele)<br>V: 32.19°(Wide)~3.00°(Tele)<br>D: 61.4°(Wide)~6.06°(Tele)                                    |
| Min. Object Distance        | 2.1m(6.89ft)  |
| Focus Control               | Oneshot AF  |
| Lens Type                   | DC auto iris  |
| Pan / Tilt / Rotate         |   |
| Pan / Tilt / Rotate Range   | 0~~354- / 0~~75- / 0~~355-  |
| 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   |
| Defog                       | Support   |
| Motion Detection            | 8ea, 8point Polygonal zones   |
| Privacy Masking             | 32ea, Quadrangle zones<br>- Color : Gray, Green, Red, Blue, Black, White<br>- Mosaic  |
| Gain Control                | Low / Middle / High   |
| White Balance               | ATW / AWC / Manual / Indoor / Outdoor   |
| LDC                         | Support   |
| Electronic Shutter Speed    | Minimum / Maximum / Anti flicker (2~1/12,000sec)  |
| Video Rotation              | Flip, Mirror, Hallway view(90°/270°)  |

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com).  
Hanwha Vision is formerly known as Hanwha Techwin.

|                |   |
|----------------|---|
| Analytics      | Analytics events<br>- Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification |
| Alarm I/O      | Input 1ea / Output 1ea  |
| Alarm Triggers | Analytics, Network disconnect, Alarm input  |
| Alarm Events   | When alarm trigger occurred<br>- File upload(image) : e-mail/FTP<br>- Notification : e-mail<br>- Recording : SD/SDHC/SDXC or NAS recording at event triggers<br>- Alarm output<br>- Handover(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   |

|                                   |   |
|-----------------------------------|---|
| 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<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<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, SRTMP |
| 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, Greek, Hungarian |
| Edge Storage     | Micro SD/SDHC/SDXC 2slot 512GB  |
| Memory           | 1024MB RAM, 256MB Flash   |

|                                  |  |
|----------------------------------|--|
| Environmental & Electrical       |  |
| Operating Temperature / Humidity | -40°C~+55°C(-40°F ~ +131°F) / Less than 90% RH<br>* Start up should be done at above -35°C |
| Storage Temperature / Humidity   | -50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH   |
| Certification                    | IP66/IP67, IK10, NEMA 4X   |
| Input Voltage                    | PoE(IEEE802.3af, Class3), 12VDC, 24VAC   |
| Power Consumption                | PoE : Max 7.8W<br>12VDC : Max. 7W<br>24VAC : Max. 8.2W                                     |

|                             |  |
|-----------------------------|--|
| Mechanical                  |  |
| Color / Material            | Ivory / Aluminum                         |
| Product Dimensions / Weight | Ø160x128.5mm(6.30"x5.06"), 985g(2.17 lb) |

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Hanwha Vision is formerly known as Hanwha Techwin.

|                           |  |
|---------------------------|--|
| Hanging Mount (Dome)      | SBP-300HM6                                       |
| DORI (EN62676-4 standard) |  |
| Detect (25PPM/ 8PPF)      | Wide: 74.4m(572.64ft) / Tele: 829.7m(2,721.97ft) |
| Observe (63PPM/ 19PPF)    | Wide: 29.8m(97.68ft) / Tele: 331.9m(1,088.79ft)  |
| Recognize (125PPM/ 38PPF) | Wide: 14.9m(48.84ft) / Tele: 165.9m(544.39ft)    |
| Identify (250PPM/ 76PPF)  | Wide: 7.4m(24.4ft) / Tele: 83.0m(272.2ft)        |

# XNV-6120

## 2M H.265 Dome Camera



CAD

Unit:mm [inch]