Hanwha Vision

Network PTZ

XNP-6120H

2M H.265 12x PTZ Camera

FC | c(UL)us LISTED | CE | EHC | NDAA

Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 5.2 ~ 62.4mm (12x) optical zoom, 32x digital zoom
- H.265, H.264, MJPEG codec support, Multiple streaming
- Day & Night (ICR), WDR (150dB), Intelligent video analytics
- SD/SDHC/SDXC memory slot (Max.512GB)
- IP66, IK10, Bi-directional audio support

Compatible Devices

SBP-300PM	SBP-300KM	SBP-300WM1	SBP-300LM	SBP-390WM2	SBP-300CM	SPB-PTZ73
SBP-300B	SHP-1680FW	SBP-300WM	SBP-300NB			

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

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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) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Color: 0.03 Lux (1/30sec, F1.6, 30IRE) B/W: 0.003 Lux (1/30sec, F1.6, 30IRE)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation USB: Micro USB Type B, 1280x720 for installation

Lens

Focal Length (Zoom Ratio)	5.2~62.4mm(12x) zoom (digital 32x, total 384x zoom)
Optical Zoom	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)
Min. Object Distance	Wide: 1.5m(4.92ft) / Tele: 2.0m(6.56ft)
Focus Control	AF / One-Shot AF / Manual
Lens Type	DC auto iris

Pan / Tilt / Rotate

Pan Range	360- Endless
Pan Speed	Preset: 350-/sec, Manual: 0.024-/sec ~ 200-/sec
Tilt Range	190-(-5-~185-)
Tilt Speed	Preset: 350-/sec, Manual: 0.024-/sec ~200-/sec
Sequence	Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Preset Accuracy	±0.2-

Operational

Camera Title	Displayed up to 85 characters
Direction Indicator	Support
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, 4point quadrangle zones - Color: Grey/Green/Red/Blue/Black/White - Solid/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 Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output PTZ Preset
Audio In	Selectable(mic in/line in) 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)
Video Compression	H.265/H.264: Main/High, MJPEG
Audio Compression	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
Smart Codec	Manual(5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast 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, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast), NTCIP 1205
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) 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	1GB 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)

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Power Consumption	Max. 12W

Mechanical

Color / Material	Ivory / Aluminum
Product Dimensions / Weight	ø168x161.5mm(6.61x6.36"), 1.9kg(4.19 lb)
Hanging Mount (Dome)	SBP-168HM
Ceiling Mount (Assy)	SBP-300CM
Wall Mount	SBP-300WM1, SBP-300WM
Pole Mount	SBP-300PM1
In-ceiling Mount	SBP-1680F
Parapet Mount	SBP-300LM
Corner Mount	SBP-300KM1
Other Compatible Models	SBP-PTZ73(Smoked Dome Cover)

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide: 74.4m(244.2ft) / Tele: 829.7m(2722ft)
Observe (63PPM/ 19PPF)	Wide: 29.8m(97.7ft) / Tele: 331.9m(1088.8ft)
Recognize (125PPM/ 38PPF)	Wide: 14.9m(48.8ft) / Tele: 165.9m(544.4ft)
Identify (250PPM/ 76PPF)	Wide: 7.4m(24.4ft) / Tele: 83.0m(272.2ft)

XNP-6120H

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CAD

∅ 168.0(6.61)

161.5(6.36)

∅ 120.0(4.72)

XNP-6120H
Unit : mm(inch)

∅ 153.0

MODEL NAME	XNP-6120
CODE NO.	

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