Network   PTZ

QNP-6320HS
2MP H.265 Stainless 32x PTZ Camera

Key Features

- Maximum 2MP (1920 x 1080) resolution
- 4.44 ~ 142.6 (32x) optical zoom
- H.265, H.264, MJPEG codec support, Multiple streaming
- WiseStreamII, Day & Night (ICR), WDR(120dB)
- Directional detection, Tampering, Motion detection
- Audio detection, Digital auto tracking
- Micro SD/SDHC/SDXC 1slot 256GB
- IP66/IP67, IK10, NEMA4X, PoE, Material: SUS316L

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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: 0.05Lux(F1.6, 1/30sec, 30IRE) BW: 0.005Lux(F1.6, 1/30sec, 30IRE)

Lens

Focal Length (Zoom Ratio)	4.44~142.6mm(32x) zoom (digital 32x, total 1024x zoom)
Optical Zoom	32x
Max. Aperture Ratio	F1.6(Wide)~F4.4(Tele)
Angular Field of View	H: 64.66°(Wide)~2.29°(Tele) V: 38.08°(Wide)~1.30°(Tele)
Min. Object Distance	Wide: 1.5m(4.92ft) / Tele: 2m(6.56ft)
Focus Control	Oneshot AF, Focus save
Lens Type	DC auto iris

Pan / Tilt / Rotate

Pan Range	360° Endless
Pan Speed	Preset: 700°/sec, Manual: 0.024°/sec~200°/sec
Tilt Range	105°(90°~-15°)
Tilt Speed	Preset: 300°/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	120dB
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

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.

Gain Control	Off / Max gain / Manual
White Balance	ATW / AWC / Manual / Indoor / Outdoor / Mercury / Sodium
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip&Mirror
Analytics	Analytics events - Directional detection, Motion detection, Enter/Exit, Tampering, Virtual line * Audio detection(Via optional I/O box SPM-4210)
Alarm Triggers	Analytics, Network disconnect * Alarm input((Via optional I/O box SPM-4210)
Alarm Events	When alarm trigger occurred - File upload(image) : e-mail/FTP - Notification : e-mail - Recording : SD/SDHC/SDXC or NAS recording at event triggers - Alarm output - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP) * Alarm output (Via optional I/O box SPM-4210)
Auto Tracking	Support

Network

Ethernet	Metal shielded RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/High, MJPEG
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), NTCIP1205
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform

Security

OS / Firmware Protect	Firmware encryption
User authentication	Digest Authentication, Privent brute-force attack
Network authentication	802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)
Secure Communication	HTTPS, SRTP, WSS(Websocket secure)
Access Control	IP address filtering
Data Protect	Authentication information encryption, ZIP compression encryption
Audit	User Access/System/Event log

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 1slot Max. 256GB
Memory	1GB RAM, 256MB Flash

Environmental & Electrical

Operating Temperature / Humidity	-35℃~+55°(-31°F ~ +131°F) / * Start up should be done at above -25℃ 0~95% RH(non-condensing)
Storage Temperature / Humidity	-50℃~+60℃(-58°F~+140°F) / 0~95% RH
Certification	IP66/IP67, IK10, NEMA4X
Input Voltage	PoE+(IEEE802.3at, Class4)

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Power Consumption	PoE+: Max. 23W, typical 14W

Mechanical

Color / Material	Silver / Stainless(SUS316L)
Product Dimensions / Weight	Ø227x299.2mm(8.94x11.78"), 5.4 kg(11.93 lb)
Wall Mount	SBP-300WMS1, SBP-300WMS
Pole Mount	SBP-300PMS
Corner Mount	SBP-300KMS

Certifications & Standards

EMC	FCC 47 CFR 15 Subpart B Class A IC Regulation ICES-003 Issue 7 Class A CE/UKCA - EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A
Safety	UL 62368-1, CAN/CSA C22.2 NO. 62368-1
Environment	IEC/EN 63000 IEC/EN 60529 IP66/67, IEC/EN 62262 IK10

DORI (EN62676-4 standard)

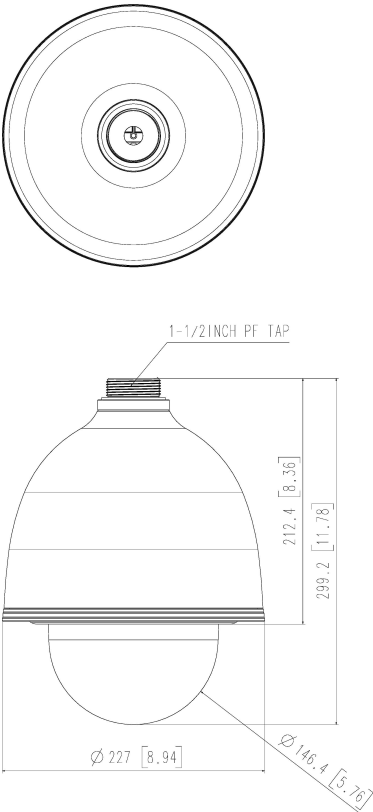| Detect (25PPM/ 8PPF)	Wide: 60.7m(199.1ft) / Tele: 1921.3m(6303.4ft)
Observe (63PPM/ 19PPF)	Wide: 24.3m(79.6ft) / Tele: 768.5m(2521.4ft)
Recognize (125PPM/ 38PPF)	Wide: 12.1m(39.8ft) / Tele: 384.3m(1260.7ft)
Identify (250PPM/ 76PPF)	Wide: 6.1m(19.9ft) / Tele: 192.1m(630.3ft)

Q series QNP-6320HS

Hanwha Vision

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CAD

Unit:mm [inch]

1-1/2INCH PF TAP

212.4 [8.36]

299.2 [11.78]

Ø 227 [8.94]

Ø 146.4 [5.76]

3	MODEL2	
2	MODEL1	
1	QNP-6320HS	'21.11.17
No.	MODEL NAME	DATE
Unit:mm[inch]	SCALE:1/1	Hanwha Techwin