Hanwha Vision



Network PTZ

XNP-A6374RH-INJ

2MP 37x AI IR PTZ Camera

Key Features

- 2MP Image Resolution
- 37x Optical Zoom
- -5°~90° Tilt Range
- 400m IR Length
- Dual NPU for AI-based Image enhancement
- Analytics events based on AI engine
- DPM (Dynamic Privacy Masking)
- IP66, IK10, NEMA 250 type 4X, NEMA TS
- Operating Temperature : -50°C~+55°C(-58°F~+131°F)
- HPoE injector included with camera

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Specifications

Video

Imaging Device	Size	1/2"
	Type	CMOS
Resolution		1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	60fps/50fps(60Hz/50Hz)
	MJPEG	30fps
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.01
	BW(1/30sec, 30IRE)	0.001
Video Out		CVBS: 1.0 Vp-p / 75Ω composite for installation

Lens

Focal Length (mm)		6~222
Zoom Ratio	Optical	37x
Max Aperture Ratio (F number)	Wide	1.5
	Tele	4.6
Angular Field of View	Horizontal	59.3°~1.90°
	Vertical	35.8°~1.1°
Min. Object Distance		3.0m(9.84ft)
Focus Control		Auto, Manual, Oneshot AF
Lens Type		DC auto iris

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	360° Endless
	Tilt	95°(-5°~90°)
Pan Speed	Preset	Max. 400°/sec
	Manual	0.024°/sec~250°/sec
Tilt Speed	Preset	Max. 300°/sec
	Manual	0.024°/sec~250°/sec
Sequence		Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Preset Accuracy		±0.2°

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Operational

Direction Indicator		Support
Day & Night		Auto(ICR)
Backlight Compensation		BLC, HLC, WDR, SSDR
Wide Dynamic Range (dB)		150
Digital Noise Reduction		WiseNR II (Based on AI engine)
Digital Image Stabilization		Support(built-in gyro sensor)
Defog		Support
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	8point Polygonal zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic
	Dynamic Privacy Masking: Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic, Purple, Yellow
Gain Control		Low, Middle, High
White Balance		ATW, NarrowATW, AWC, Manual, Indoor, Outdoor, Mercury, Sodium
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker, Prefer shutter control(Based on AI engine)
	Speed Range	2~1/30,000sec
Video Rotation		Flip&Mirror
Serial Interface		RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
Alarm Interface	In/Out	Input 4ea / Output 2ea
Alarm Triggers		Analytics, Network disconnect, Alarm input, App event, Time schedule, MQTT subscription, Day/Night, Storage disruption
Alarm Events When Alarm Trigger Occurred		File upload(image): e-mail/FTP/SFTP, File upload(video clip): FTP/SFTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output, Handover: PTZ preset,send message by HTTP/HTTPS/TCP,Audio clip playback, MQTT: publication
Audio In		Selectable(mic in/line in)
Audio Out		Line out
Light Type		IR LED
Light Viewable Length	IR	400m(1,312.34ft)
IR Wavelength		850nm
Auto Tracking		Support, Object auto tracking(Person/Vehicle), Target lock tracking

Analytics

Classified Object Type	Person, Face, Vehicle, License plate

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Analytics

Attributes	Person	Upper/Lower clothes color, Gender, Bag
	Vehicle	Type(car, bus, truck, motorcycle, bicycle), Color
	Face	Age, Gender, Face mask, Glasses
Similarity Search		Support
Thumbnail		BestShot
Analytics Events	Based on AI Engine	Object detection, Virtual line(Crossing/Direction), Motion detection, Slip & fall detection, Virtual area(Loitering/Intrusion/Enter/Exit/Appear/Disappear), Auto tracking
	Normal	Motion detection, Tampering, Audio detection, Shock detection

Network

Ethernet		Metal shielded RJ-45(10/100BASE-T)
Video Compression		H.265: Main, H.264: Main/Baseline/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,Opus 8/16kHz
Smart Codec		Manual, WiseStream(Based on AI engine)
Bitrate Control		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	Up to 20 users
	Multicast	Support
	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, SFTP, SMTP, ICMP, IGMPv2, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT, NTCIP 1205, SMTP(StartTLS), Syslog
Application Programming Interface	ONVIF	S, G, T, M
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
Direct Cloud Connection		Support

Security

OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware
User authentication	Digest authentication, Prevent brute-force attack
Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
Secure Communication	HTTPS, WSS(WebSocket Secure), SRTP
Access Control	IP-based access control, MAC-based access control, Auto logout
Data Protect	Encryption credentials, Encrypt compress for live recording file export
Audit	Access / System / Event Log management
Device ID	Device certificate(Hanwha Vision Root CA)
Secure Storage	SDcard partition encrypt(AES-256), Secure element
Supply Chain Security	SBOM

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Security

Security Certificate	Secure element(FIPS 140-3 level3, CC EAL6+), Consumer IoT Security Standard (ETSI EN 303 645)

General

SoC	Type	Wisenet 9
	Dual NPU	Support
Memory	RAM	4GB
	Flash	8GB eMMC
Edge Storage	Micro SD/SDHC/SDXC	Max. 1TB x 1slot

Environmental & Electrical

Operating Condition	Temperature	AC24: -50°C~+55°C(-58°F~+131°F) / HPoE: -40°C~+55°C(-22°F~+131°F)
	Humidity	0~90% RH(non-condensing)
	Others	+74°C(+165°F)(Max) based on NEMA-TS 2(2.2.7), Start up should be done at above -30°C
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE++(IEEE802.3bt type3, Class6), 24VAC, ※ HPoE injector included with camera
Power Consumption	PoE	PoE : Max 51.0W, typical 26.6W
	24VAC	24VAC: Max 82.4W Typical 27.3W

Mechanical

Color	White, Black
Material	Aluminum, Plastic
RAL Code	RAL9003, RAL9005
Product Dimensions	ø236.9x407.7mm(9.33x16.05")
Product Weight	7020g(15.48 lb)

Certifications & Standards

EMC	FCC 47 CFR 15 Subpart B Class A, ICES-3(A)/NMB-3(A), CE/UKCA - EN55032 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, KS C 9832 Class A, KS C 9835
Safety	UL 62368-1, CAN/CSA C22.2 NO. 62368-1, IEC 62471
Environment	IEC/EN 63000, IEC 60529 IP66, IEC 62262 IK10, NEMA TS 2-2013 (2.2.7, 2.2.8, 2.2.9), NEMA 250 type 4X

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	67.5m(221.3ft)
	Tele	2315.7m(7597.6ft)
Observe (63PPM/ 19PPF)	Wide	27m(88.5ft)
	Tele	926.3m(3039ft)

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DORI (EN62676-4 standard)

Recognize (125PPM/ 38PPF)	Wide	13.5m(44.3ft)
	Tele	463.1m(1519.5ft)
Identify (250PPM/ 76PPF)	Wide	6.7m(22.1ft)
	Tele	231.6m(759.8ft)

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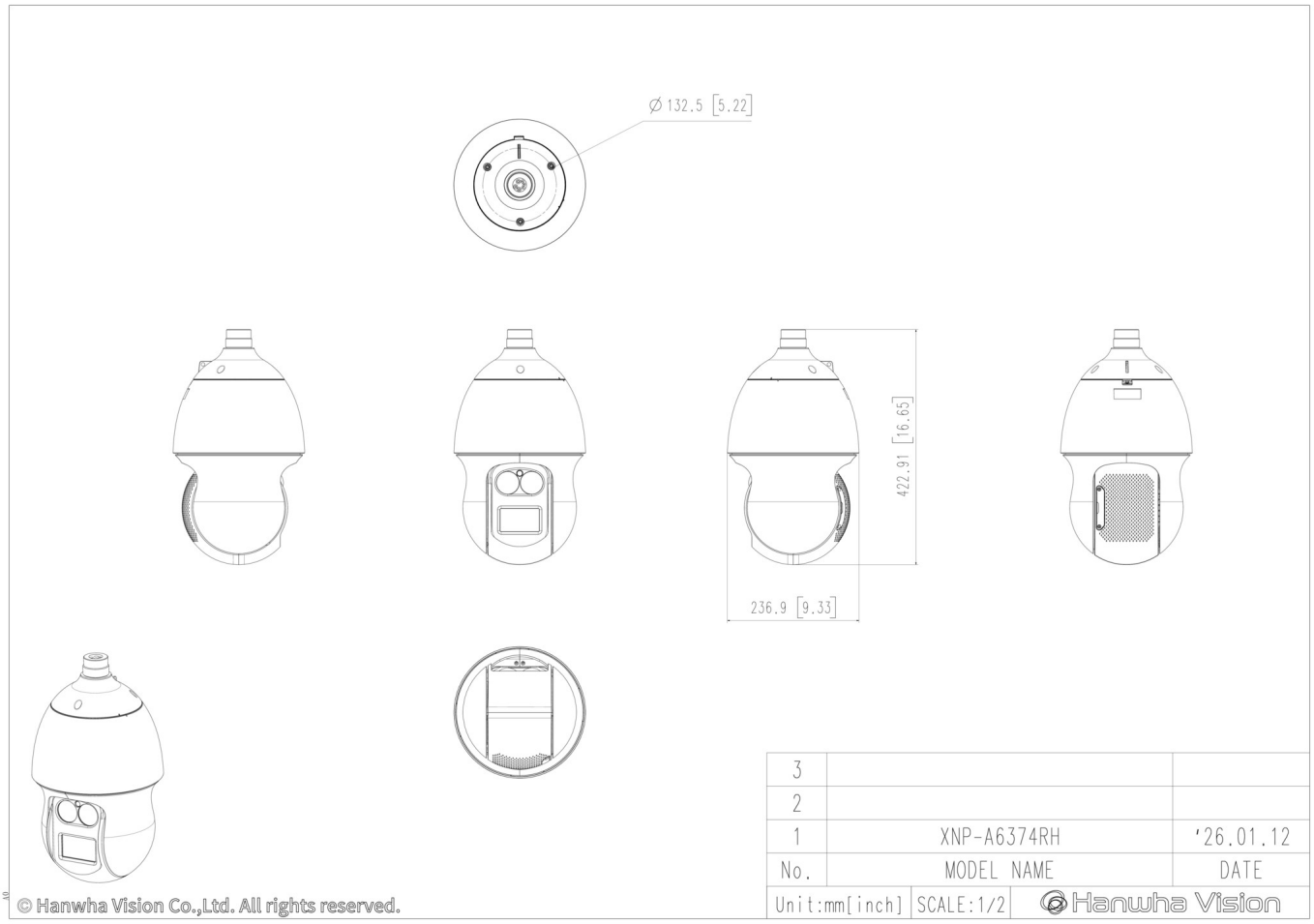
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CAD

Unit: mm [inch]



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Compatible Devices


SBP-140CMB


SBP-180CMB


SBP-180CMS


SBP-150CMI

SBP-150CMP


SBP-300CMI

SBP-300CMP


SBP-300CMTS


SBP-300CMW1

SBP-900CMP


SBP-900CMW

SBP-C15H


SBP-C15P


SBP-C35H


SBP-200WMW

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