Network PTZ

XNP-6400RW

2MP 40x IR Wiper PTZ Camera

Key Features

- 2MP resolution @ 60fps
- IR viewable length : 200m (656ft)
- 40x optical zoom lens (4.25mm ~170mm) (65.66° ~ 1.88°)
- -20° tilt look-up capability to see above the horizon
- H.265, H.264, MJPEG triple codec support
- Multiple streaming, WiseStream II support
- Day & Night (ICR), extreme WDR
- DIS with Built-in Gyro sensor
- Azimuth display (Cardinal & intermediate directions)
- AI-based Object Auto tracking (Person, Vehicle), target lock tracking, Intelligent video analytics
- Dual Memory slots (Maximum 512GB x 2)
- IP66, IK10, NEMA4X, NEMA TS-2 2.2.8 (Vibration) & 2.2.9 (Shock)
- HPoE (IEEE802.3bt, Class6, Type3, Injector included)
- UL CAP Cybersecurity certified
- Optional Network I/O box for alarm & audio I/O SPM-4210

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Specifications

Video

Imaging Device	Size	1/2.8"
	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)	0.05
	BW(1/30sec, 30IRE)	0.005

Lens

Focal Length (mm)		4.25~170
Zoom Ratio	Optical	40x
	Digital	32x
Max Aperture Ratio (F number)	Wide	1.6
	Tele	4.95
Angular Field of View	Horizontal	65.66°~1.88°
	Vertical	39.4°~1.09°
Min. Object Distance		3m(9.84ft)
Focus Control		Oneshot AF, Focus save
Lens Type		DC auto iris

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	360° Endless
	Tilt	90°~-20°
Pan Speed	Preset	Max. 500°/sec
	Manual	0.024°/sec~250°/sec
Tilt Speed	Preset	Max. 350°/sec
	Manual	0.024°/sec~250°/sec
Sequence		Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Preset Accuracy		Up to ±0.1°, Pan/Tilt correction

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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		SSNR V
Digital Image Stabilization		Support(built-in gyro sensor)
Defog		Support
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	4point Quadrangle zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic
Gain Control		Max gain, Manual
White Balance		ATW, NarrowATW, AWC, Manual, Indoor, Outdoor, Mercury, Sodium
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
Digital PTZ		Support
Video Rotation		Flip&Mirror
Alarm Interface	Others	Support alarm I/O via optional I/O box
Alarm Triggers		Analytics, Network disconnect
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		Support via optional I/O box
Audio Out		Support via optional I/O box
Light Type		IR LED
Light Viewable Length	IR	Wise IR 200m(656.17ft)
IR Wavelength		850nm
Water Removal		Support(with Wiper, Lens heater)
Auto Tracking		Support, Object auto tracking(Person/Vehicle), Target lock tracking

Analytics

Analytics Events	Normal	Motion detection, Tampering, Fog detection, Face detection, Audio detection, Sound classification, Shock detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction)

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Network

Ethernet		Metal shielded RJ-45(10/100BASE-T)
Video Compression		H.265/H.264: Main/Baseline/High, MJPEG
Smart Codec		Manual, WiseStream II
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, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT, NTCIP 1205
Application Programming Interface	ONVIF	S, G, T
	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
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	HTPM(Hanwha Trusted Platform Module), SDcard partition encrypt(AES-256)
Security Certificate	CyberSecurity assuarance program UL CAP(UL 2900-2-3 L2)

General

Memory	RAM	4GB
	Flash	512MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 512GB x 2slot(Total 1TB)

Environmental & Electrical

Operating Condition	Temperature	-40°C~+55°C(-40°F~+131°F)
	Humidity	0~100% RH(condensing)
	Others	+74°C(+165°F)(Max) based on NEMA-TS 2(2.2.7), Start up should be done at above -30°C, Humidity control with AIR vent
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE++(IEEE802.3bt type3, Class6)

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Environmental & Electrical

Power Consumption	PoE	Max. 42W, Typical 20W

Mechanical

Color	White, Black
Material	Aluminum, PC(Polycarbonate)
RAL Code	RAL9003, RAL9005
Product Dimensions	ø184.9x318.8mm(7.28x12.55")
Product Weight	5400g(11.90lb)

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	59.5m(195.3ft)
	Tele	2340.4m(7678.4ft)
Observe (63PPM/ 19PPF)	Wide	23.8m(78.1ft)
	Tele	936.2m(3071.4ft)
Recognize (125PPM/ 38PPF)	Wide	11.9m(39.1ft)
	Tele	468.1m(1535.7ft)
Identify (250PPM/ 76PPF)	Wide	6.0m(19.5ft)
	Tele	234.0m(767.8ft)

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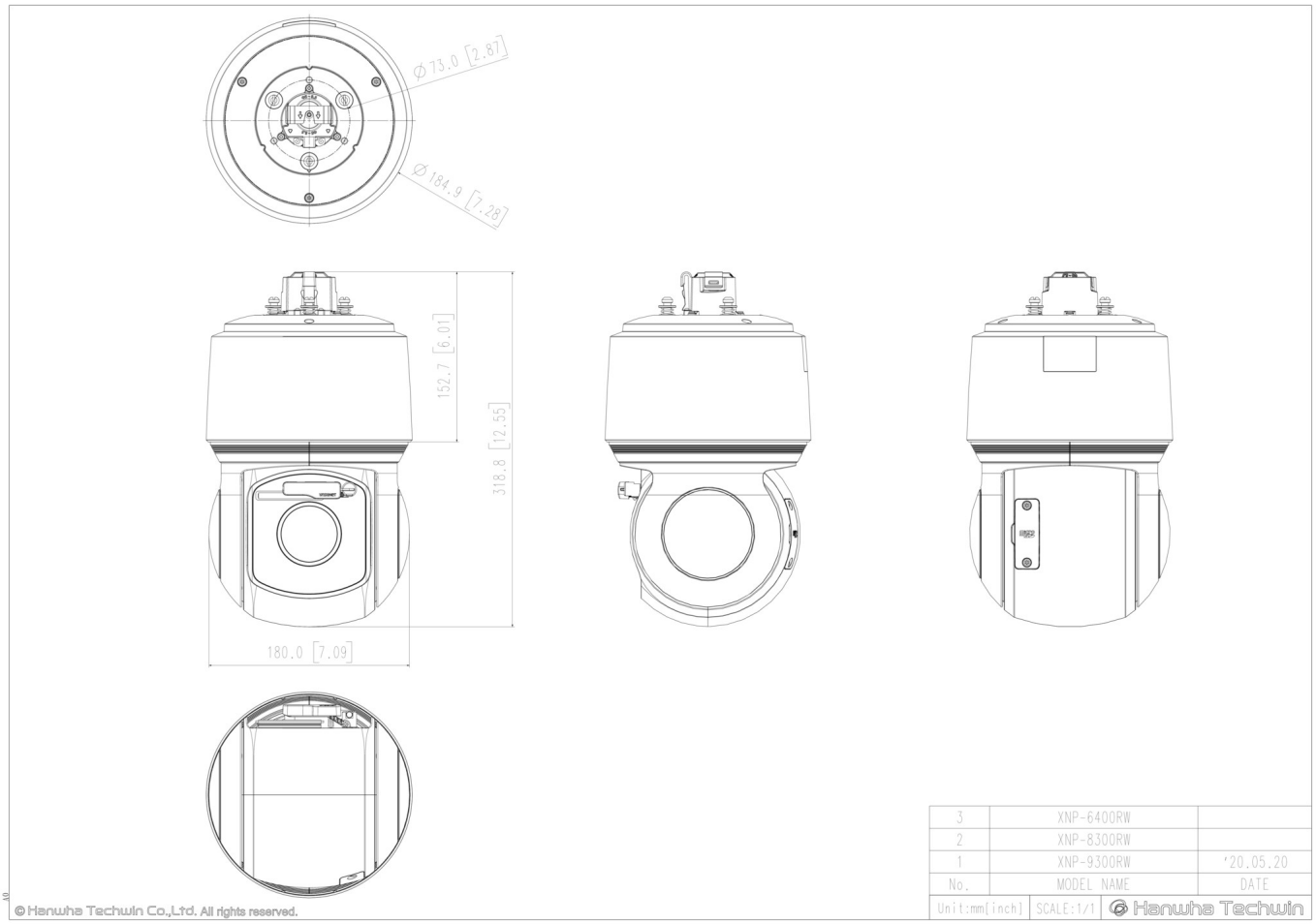
CAD

Unit: mm [inch]



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