

Network

PNM-C34404RQPZ

4K 4Ch PTRZ + 2MP 40x PTZ AI Camera

Key Features

- 360° Analytics events based on AI engine: Classified object (Person/Face/Vehicle/License plate)
- 360° Attributes search (Vehicle type: Car/Bus/Truck/Motorcycle/Bicycle)
- AI based loitering detection and line crossing detection
- AI based WiseNR II , Auto prefer shutter control, WiseStreamIII
- AI based smart zoom and advanced hand over
- PTRZ remote adjustment
- New design
- Expansion of alarm/audio features
- Next level cybersecurity (TPM 2.0 with FIPS 140-2 level2)
- Reinforced durability (IP66, IK10, NEMA4X)

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Specifications

映像		1Channel	2Channel	3Channel	4Channel	PTZ
Imaging Device	サイズ	1/2.8"				
	タイプ	CMOS				
解像度		3840x2160, 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240				1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	15fps/15fps(60Hz/50Hz)				60fps/50fps(60Hz/50Hz)
	MJPEG	15fps(@8MP Max. 5fps)				30fps
	その他	Max. 20fps when AI off(MJPEG@8MP Max. 5fps)				
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.1				0.05
	BW(1/30sec, 30IRE)	0.01				0.005

レンズ

Focal Length (mm)		3.3~5.7			3.3~5.7mm	4.25~170
Zoom Ratio	Optical	1.7x		1.7x		40x
	Digital					32x
Max Aperture Ratio (F number)	Wide	1.5				1.6
	Tele	1.9				4.95
視野角度	Horizontal	109°~56°				65.66°~1.88°
	Vertical	55°~31°				39.40°~1.09°
	Diagonal	136°~65°				
Min. Object Distance		1.3m(4.27ft)				5m(16.4ft)
Focus Control		シンプルフォーカス				Oneshot AF, フォーカス保存
Lens Type		Fixed iris				DC auto iris

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Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	0°~360°				360° Endless
	Tilt	9°~65°				0°~110°
	回転	0°~90°				
	その他	Remote adjustment(Max. 200cycles), Tilt angle with Shield IR: 40°~65°				
Pan Speed	プリセット					Max. 700°/sec
	手動					0.024°/sec~250°/sec
Tilt Speed	プリセット					Max. 500°/sec
	手動					0.024°/sec~250°/sec
シーケンス						Preset(300ea), スイング, Group(6ea), 追跡, ツアー, オートラン, スケジュール
Preset Accuracy						Up to ±0.1°, Pan/Tilt correction

技能

方向インジケーター						サポート
Day & Night		Auto(ICR)				
Backlight Compensation		BLC, WDR, SSDR				BLC, HLC , WDR, SSDR
Wide Dynamic Range (dB)		120				150
Digital Noise Reduction		WiseNR II (Based on AI engine), SSNR V				
Digital Image Stabilization						Support(built-in gyro sensor)
曇り除去						サポート
モーション検知	Quantity	8ea				
	Shape	8point Polygonal zones				
Privacy Masking	Quantity	6ea				32ea
	Shape	Rectangular zones				4point Quadrangle zones
	Color / Option	灰色, 黒, 白				灰色, 緑, Red, 青, 黒, 白, モザイク
ゲイン制御		低, 中, 高				オフ, 最大ゲイン, 手動
ホワイトバランス		ATW, AWC, 手動, 室内, 屋外				ATW, NarrowATW, AWC, 手動, 室内, 屋外, Mercury, Sodium
LDC		サポート				
Electronic Shutter	モード	最小, 最大, アンチフリッカー, Prefer shutter control(Based on AI engine)				
	Speed Range	2~1/12,000sec				
ビデオ回転		FLIPモード, ミラー, Hallway view(90°/270°) - Each channel separately				Flip&Mirror

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技能

Alarm Interface	その他	Support alarm I/O via optional I/O box				
Alarm Triggers		分析, ネットワーク切断, アラーム入力, アプリケーションイベント, タイムスケジュール, MQTT購読				
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,アラーム出力, Handover: PTZ preset,send message by HTTP/HTTPS/TCP, MQTT: publication,スマートズーム				
オーディオ入力		オプションの I/O ボックスでサポート				
オーディオ出力		オプションの I/O ボックスでサポート				
Light Type		IR LED				
Light Viewable Length	IR	20m(65.62ft)				200m(656.17ft)
IR Wavelength		850nm				
Water Removal						Support(Spin Dry, Lens heater)
自動トラッキング						Object auto tracking(Person/Vehicle), Target lock tracking

分析

Classified Object Type		人, 顔, 車両, ナンバープレート	
属性	人	Upper/Lower clothes color	
	車両	Type(car, bus, truck, motorcycle, bicycle), カラー	
サムネイル		ベストショット	
分析イベント	Based on AI Engine	対象物検知, 仮想線 (交差·方向) , 仮想領域 (ローターリング、侵入、Enter、Exit)	
	通常	焦点ぼけ検知, モーション検知, タンパリング, Virtual area(Appear/Disappear)	モーション検知, タンパリング, フォグ検出, Virtual area(Appear/Disappear), Virtual line(Crossing, Direction)

ネットワーク

Ethernet	Metal shielded RJ-45(10/100/1000BASE-T)	
映像圧縮	H.265/H.264: Main/High, MJPEG	H.265/H.264: Main/Baseline/High, MJPEG
Smart codec	手動, WiseStreamIII	
ビットレートコントロール	H.265/H.264: CBR or VBR, MJPEG: VBR	

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ネットワーク

Streaming	Unicast	最大 10ユーザー	最大 20ユーザー
	マルチキャスト	サポート	
	Multiple Streaming	最大 3プロファイル	最大 10プロファイル
Application Programming Interface	ONVIF	s, G, T, M	
	その他	SUNAPI(HTTP API), Hanwha Vision Open Platform	
Direct Cloud Connection		サポート	

セキュリティ

OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware
ユーザー認証	ダイジェスト認証
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
デバイスID	Device certificate(Hanwha Vision Root CA)
Secure Storage	TPM(Trusted platform module), SDcard partition encrypt(AES-256)
Security Certificate	ETSI EN 303 645, IEC 62443-4-1

一般

SoC	Type	Wisenet 7 + CV5	
メモリ	RAM	8GB	4GB
	フラッシュ	1GB	512MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 512GB x 2slot(Total 1TB)	
Edge Storage(On Cloud)	Micro SD/SDHC/SDXC	Max. 1TB x 2slots (Total 2TB) *Hanwha Vision branded microSD cards have been certified and recommended for OnCloud edge recording.	

Environmental & Electrical

動作条件	温度	-40°C~+50°C(-40°F~+122°F)
	湿度	0~95% RH(non-condensing)
	その他	+74°C(+165°F)(Max) based on NEMA-TS 2(2.2.7), Start up should be done at above -30°C
保管条件	温度	-50°C~+60°C(-58°F~+140°F)
	湿度	0~90% RH(non-condensing)
EPA(Effective Projected Area)		0.075

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Environmental & Electrical

Input Voltage		HPoE(IEEE802.3bt type4, Class8)
消費電力	PoE	Max. 64W, typical 45W

Mechanical

カラー	白
材料	アルミニウム
RAL Code	RAL9003
Product Dimensions	ø379.8x301.9mm(14.95x11.89")
Product Weight	7,900g(17.42lb)

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
Safety	UL 62368-1, CAN/CSA C22.2 NO. 62368-1, IEC 62471
環境	IEC/EN 63000, IEC 60529 IP66, IEC 62262 IK10, NEMA 250 type 4X

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	54.8m(179.73ft)	59.5m(195.3ft)
	Tele	144.4m(473.88ft)	2340.4m(7678.4ft)
Observe (63PPM/ 19PPF)	Wide	21.9m(71.89ft)	23.8m(78.1ft)
	Tele	57.8m(189.55ft)	936.2m(3071.4ft)
Recognize (125PPM/ 38PPF)	Wide	11.0m(35.95ft)	11.9m(39.1ft)
	Tele	28.9m(94.78ft)	468.1m(1535.7ft)
Identify (250PPM/ 76PPF)	Wide	5.5m(17.97ft)	6.0m(19.5ft)
	Tele	14.4m(47.39ft)	234.0m(767.8ft)

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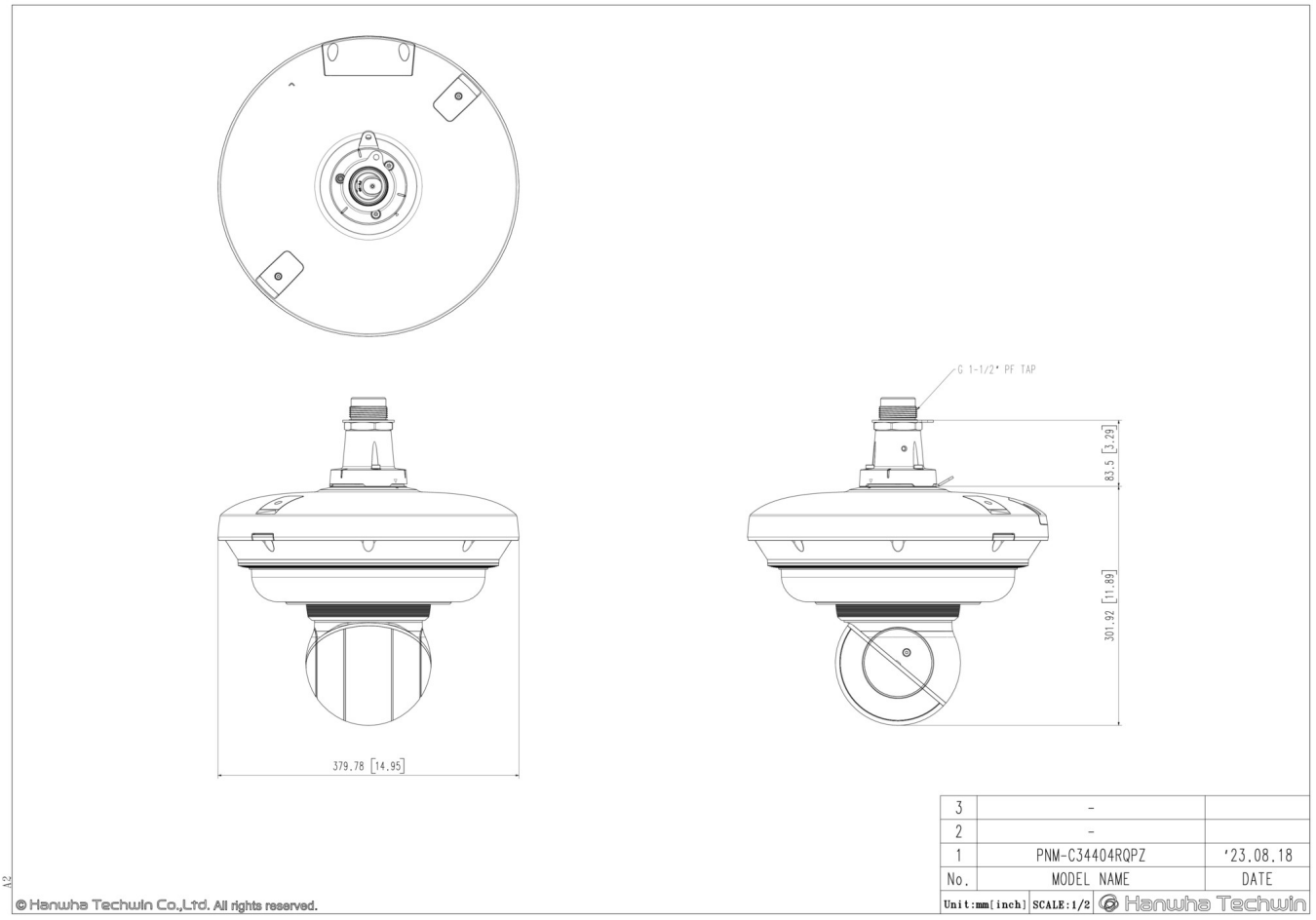
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CAD

Unit: mm [inch]



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Compatible Devices



SPM-4210

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