

Network

PNM-C19183RVTP

5MP 3CH fixed + 4MP 18x PTZ AI Camera

Key Features

- 5MP x 3CH Multisensor
- 4MP 18x PTZ
- 15m IR Length
- IK10 Rated
- 4MP x 18x PTZ
- AI Based Analytics and Business Intelligence
- Auto calibration
- Supports Smart Zoom (Advanced Handover)
- WiseStream (Based on AI engine)

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Specifications

映像		Ch 1	Ch 2	Ch 3	PTZ
Imaging Device	サイズ	1/2.8"			
	タイプ	CMOS			
解像度		2592x1944, 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240			2592x1520, 2560x1440, 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	30fps			
	MJPEG	30fps(@5MP Max. 5fps)			30fps(@4MP Max. 5fps)
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.08			0.05
	BW(1/30sec, 30IRE)	0.008			0.005
Video Out		USB: USB Type C. Preview and installation ONLY. Requires WiFi dongle.			

レンズ

Focal Length (mm)		2.4			5.42~98.29
Zoom Ratio	Optical				18x
	Digital				32x
Max Aperture Ratio (F number)	Wide	2.0			
	Tele				3.27
視野角度	Horizontal	123°			53.1°~3.39°
	Vertical	91°			31.75°~1.98°
	Diagonal	159°			60.8°~3.92°
Min. Object Distance		0.5m(1.64ft)			5.0m(16.4ft)
Focus Control		Fixed			Oneshot AF, フォーカス保存
Lens Type		Fixed iris			DC auto iris with hall sensor

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Pan / Tilt / Rotate

Pan Speed	プリセット				Max. 600°/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					±0.2°

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			
Digital Noise Reduction		WiseNR II (Based on AI engine), SSNR V			
Digital Image Stabilization					サポート
曇り除去		サポート			
モーション検知	Quantity	8ea			
	Shape	8point Polygonal zones			
Privacy Masking	Quantity	12ea			32ea
	Shape	4point Quadrangle zones			
	Color / Option	灰色, 緑, Red, 青, 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	1/5~1/12,000sec			
ビデオ回転					FLIPモード, ミラー
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, 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			

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技能

Light Viewable Length	IR	15m(49.21ft), 10m(32.8ft) under 3m height installation			
IR Wavelength		850nm			
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	Type(car, bus, truck, motorcycle, bicycle)
サムネイル		ベストショット	DetectionShot
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) , モーション検知	
	通常	タンパリング, 音声検出, Virtual area(Appear/Disappear)	タンパリング, フォグ検出, 音声検出
Business Intelligence	Based on AI Engine	人数カウント, キュー管理, ヒートマップ, 車両カウント	

ネットワーク

Ethernet		Metal shielded RJ-45(10/100/1000BASE-T)	
映像圧縮		H.265/H.264: Main/Baseline/High, MJPEG	
Smart codec		手動, WiseStream(Based on AI engine)	手動, WiseStream II
ビットレートコントロール		H.265/H.264: CBR or VBR, MJPEG: VBR	
Streaming	Unicast	最大 5ユーザー	
	マルチキャスト	サポート	
	Multiple Streaming	最大 4プロファイル	最大 3プロファイル
プロトコル		IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT, SMTP(StartTLS)	
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, 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

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セキュリティ

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	SDcard partition encrypt(AES-256), Secure element
Supply Chain Security	SBOM
Security Certificate	Secure element(FIPS 140-3 level3, CC EAL6+), ETSI EN 303 645, IEC 62443-4-1

一般

SoC	Type	Wisenet 7 + NT98690	
メモリ	RAM	8GB	4GB
	フラッシュ	8GB	512MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 1TB x 2slot(Total 2TB)	
Edge Storage(OnCloud)	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~+55°C(-40°F~+131°F)
	湿度	0~100% RH(condensing)
	その他	Start up should be done at above -35°C, Humidity control with AIR vent
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)		0.038㎡
Input Voltage		PoE++(IEEE802.3bt type3, Class6)
消費電力	PoE	Max. 42W, typical 32W

Mechanical

カラー		白
材料		アルミニウム, Hard-coated dome
Material Management	Declaration	RoHS(EU RoHS directive 2011/65/EU and IEC/EN 63000:2018), REACH(Regulation (EC) No. 1907/2006), Conflict mineral policy(Section 1502 of US Dodd Frank Act)
RAL Code		RAL9003
Product Dimensions		ø251.4x212mm(ø9.9x8.35")
Product Weight		4,800g(10.58lb)
Compatible Conduit Hole		19.1mm(3/4")(M25)
Compatible Gang Box		シングル, Double, 4" Octagon, 正方形

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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
環境	IEC 60529 IP66, IEC 62262 IK10, NEMA 250 type 4X

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	28.1m(92.35ft)			103.7m(340.38ft)
	Tele				1751.8m(5474.46ft)
Observe (63PPM/ 19PPF)	Wide	11.3m(36.94ft)			41.5m(136.15ft)
	Tele				700.7m(2298.99ft)
Recognize (125PPM/ 38PPF)	Wide	5.6m(18.47ft)			20.7m(68.08ft)
	Tele				350.4m(1149.49ft)
Identify (250PPM/ 76PPF)	Wide	2.8m(9.23ft)			10.4m(34.04ft)
	Tele				175.2m(574.75ft)

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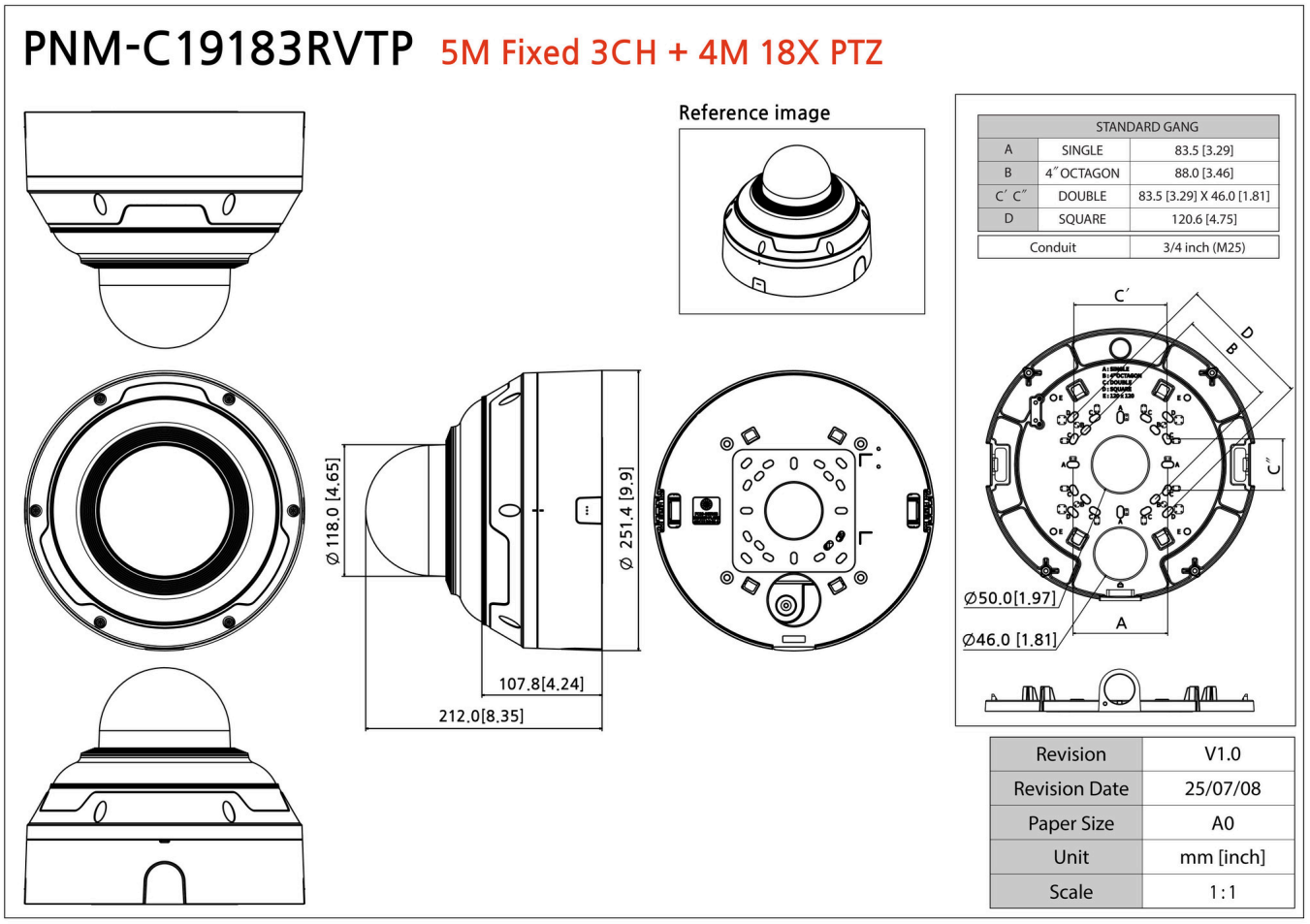
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CAD

Unit: mm [inch]



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