

Network

PNM-C12083RVD

6MP x 2CH AI Multi-directional Camera

Key Features

• Analytics events based on AI engine: Classified object(Person/Face/Vehicle/License plate)
Attributes(vehicle type: Car/Bus/Truck/Motorcycle/Bicycle)
Support BestShot
• WiseNR II , Auto prefer shutter control, WiseStream III, extremeWDR (120dB)
• Maximum 3328x1872 resolution
• Maximum 15fps@6M
• Color: 0.16lux(F1.67, 1/30sec, 30IRE), 0 Lux (IR LED on)
• 3.54~6.69mm motorized varifocal, 78° tilt angle
• IR viewable length: IR 25m(82ft) based on scene
• TPM 2.0(FIPS 140-2 certified)
• IP66, IK10, NEMA4X

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Specifications

映像

Imaging Device	サイズ	1/2.8"
	タイプ	CMOS
解像度		3328x1872, 3072x1728, 2688x1520, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	15fps/15fps(60Hz/50Hz)
	MJPEG	15fps
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.16
	BW(1/30sec, 30IRE)	0.016
Video Out		USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle.

レンズ

Focal Length (mm)		3.54~6.69
Zoom Ratio	Optical	1.9x
Max Aperture Ratio (F number)	Wide	1.67
	Tele	2.64
視野角度	Horizontal	96°~47°
	Vertical	51°~26°
	Diagonal	113°~54°
Min. Object Distance		1.5m(4.92ft)
Focus Control		シンプルフォーカス
Lens Type		Fixed iris

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	0°~355°
	Tilt	0°~78°
	回転	0°~180°

技能

Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSDR

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技能

Wide Dynamic Range (dB)		120
Digital Noise Reduction		WiseNR II (Based on AI engine), SSNR V
モーション検知	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	6ea
	Shape	4point Quadrangle zones
	Color / Option	灰色, 黒, 白
ゲイン制御		低, 中, 高
ホワイトバランス		ATW, AWC, 手動, 室内, 屋外
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, Hallway view(90°/270°) - Each channel separately
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
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
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	15m(49ft), 25m(82ft) based on scene
IR Wavelength		850nm

分析

Classified Object Type		人, 顔, 車両, ナンバープレート
属性	車両	Type(car, bus, truck, motorcycle, bicycle)
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, 音声検出, Virtual area(Appear/Disappear)

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
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
	マルチキャスト	サポート
	Multiple Streaming	最大 5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, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast)
Application Programming Interface	ONVIF	s, T, M
	その他	SUNAPI(HTTP API), Hanwha Vision Open Platform

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, 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	TPM 2.0 with FIPS 140-2 level2

一般

メモリ	RAM	4GB
	フラッシュ	512MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 512GB x 1slot
Edge Storage(OnCloud)	Micro SD/SDHC/SDXC	Max. 1TB x 1slot *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	0~95% RH(non-condensing)
保管条件	温度	-50°C~+60°C(-58°F~+140°F)
	湿度	0~95% RH(non-condensing)
Input Voltage		PoE+(IEEE802.3at, Class4)
消費電力	PoE	Max. 21W, typical 16.5W

Mechanical

カラー	白
材料	アルミニウム, Hard-coated dome
RAL Code	RAL9003

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Mechanical

Product Dimensions	215(W)x135(D)x93.2(H)mm(8.46x5.31x3.67")
Product Weight	1,330g(2.93lb)
Compatible Conduit Hole	12.7mm(1/2")(M20)
Compatible Gang Box	シングル, Double, 4" Octagon, 正方形

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, 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/EN 63000, IEC 60529 IP66, IEC 60529 IP67, IEC 62262 IK10, NEMA 250 type 4X

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	59.9m(196.62ft)
	Tele	153.1m(502.22ft)
Observe (63PPM/ 19PPF)	Wide	24.0m(78.65ft)
	Tele	61.2m(200.89ft)
Recognize (125PPM/ 38PPF)	Wide	12.0m(39.32ft)
	Tele	30.6m(100.44ft)
Identify (250PPM/ 76PPF)	Wide	6.0m(19.66ft)
	Tele	15.3m(50.22ft)

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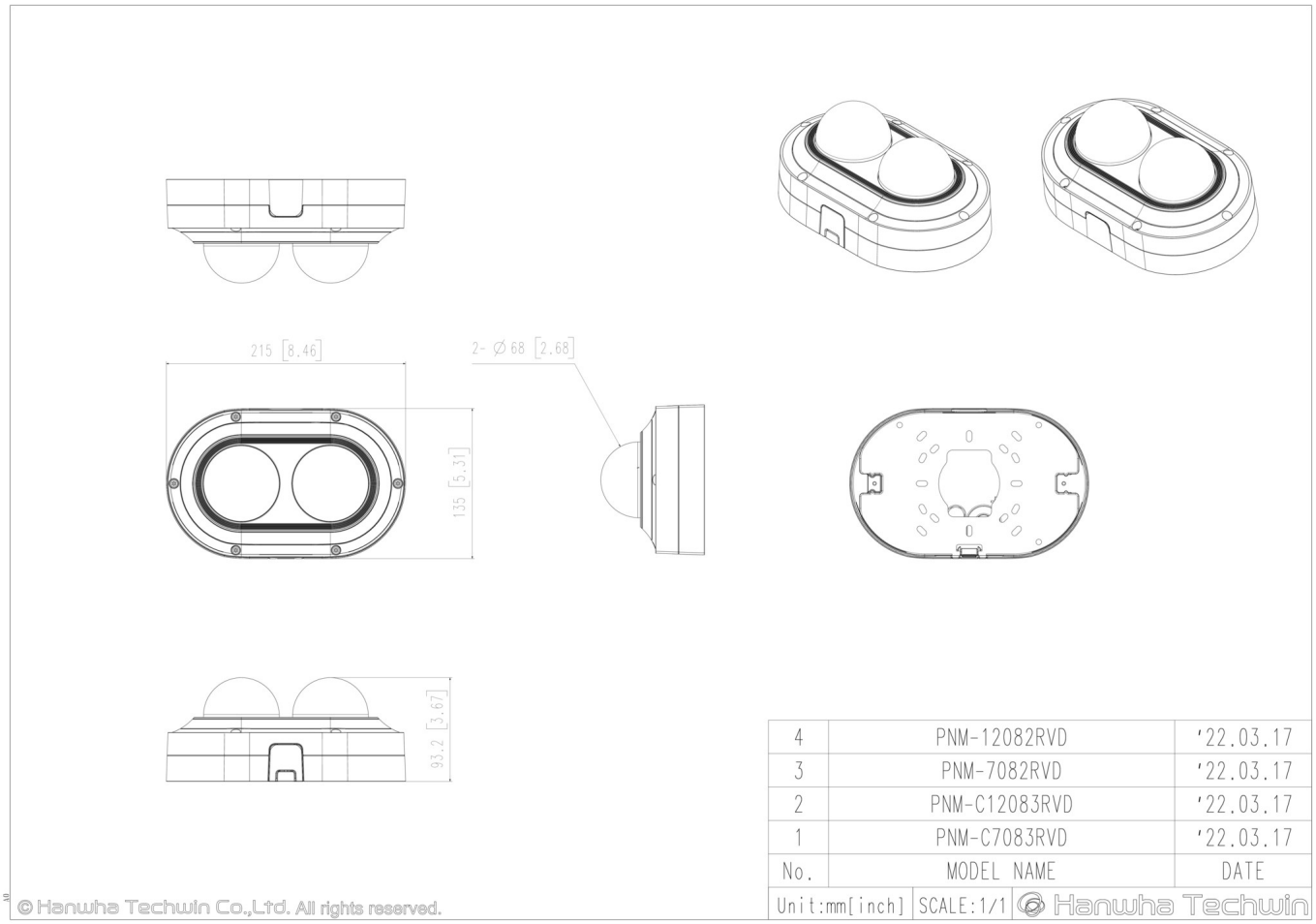
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CAD

Unit: mm [inch]



No.	MODEL NAME	DATE
4	PNM-12082RVD	'22.03.17
3	PNM-7082RVD	'22.03.17
2	PNM-C12083RVD	'22.03.17
1	PNM-C7083RVD	'22.03.17

Unit:mm[inch] | SCALE:1/1 | Hanwha Techwin

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