

Network Dome

PND-A7082RV

4MP AI 屋内ドームカメラ

Key Features

- 4MP Image Resolution
- 4.6~9.35mm Focal Length
- 60m IR Length
- IP52, IK10 Rated
- 最大4MP解像度 (1/1.8" センサー)
- 4.6~9.35mm(2.0x) モーター駆動バリフォーカル
- 長距離WiseIR距離 最大60m (196.85ft)
- カラー: 0.03Lux(F1.3, 1/30秒, 30IRE)
- 白黒: 0.003Lux(F1.3, 1/30秒, 30IRE)
- 簡単取り付けのための磁気モジュラータイプ
- AIベースの画像強化のためのデュアルNPU
- AIエンジンに基づく分析イベント: オブジェクト検出 (人物/顔/車両/ナンバープレート)、IVA (仮想ライン/エリア、入退場、徘徊、方向、侵入)、滑り転倒検出、フェイスマスク検出、ソーシャルディスタンシング検出
- AIエンジンに基づくビジネスインテリジェンス: 人/車両/群衆のカウント、キュー管理、ヒートマップ
- BestShotとフル属性をサポート
- 動的プライバシーマスキングをサポート
- extremeWDR、WiseNR II (AIエンジンに基づく)、WiseStream(AIエンジンに基づく)
- Wisepower(電力監視)をサポート
- デバイス証明書(Hanwha Vision Root CA)、安全なストレージ(FIPS 140-3レベル3/CC EAL6+認定のセキュアエレメント)、SBOM
- 2つのSDスロットエッジストレージ

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Specifications

映像

Imaging Device	サイズ	1/1.8"
	タイプ	CMOS
解像度		2592x1520, 2560x1440, 1920x1080, 1600x1200, 1280x960, 1280x720, 1024x768, 800x600, 640x480, 640x360, 320x240, 320x180
Max. Framerate	H.265/H.264	60fps/50fps(60Hz/50Hz)
	MJPEG	30fps(@4MP Max. 5fps)
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.03
	BW(1/30sec, 30IRE)	0.003
Video Out		USB: USB Type C. Preview and installation ONLY. Requires WiFi dongle.

レンズ

Focal Length (mm)		4.6~9.35mm
Zoom Ratio	Optical	2.0x
Max Aperture Ratio (F number)	Wide	1.3
	Tele	2.15
視野角度	Horizontal	105°~47°
	Vertical	58°~27°
	Diagonal	128°~55°
Min. Object Distance		1.5m(4.92ft)
Focus Control		シンプルフォーカス
Lens Type		P iris(IR corrected)

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	0°~350°
	Tilt	-45°~85°
	回転	0°~355°

技能

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

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技能

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	32ea
	Shape	8point Polygonal zones
	Color / Option	灰色, 緑, Red, 青, 黒, 白, モザイク, 紫色, 黄色
	Dynamic Privacy Masking: Color / Option	灰色, 緑, Red, 青, 黒, 白, モザイク, 紫色, 黄色
ゲイン制御		オフ, 最大ゲイン, 手動
ホワイトバランス		ATW, NarrowATW, AWC, 手動, 室内, 屋外
LDC		Support(Fill/stretch mode)
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	2~1/30,000sec
ビデオ回転		FLIPモード, ミラー, Hallway view(90°/270°)
Alarm Interface	In/Out	2 configurable I/O ports
	その他	12VDC output, Support extra 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, タイムスケジュール, MQTT購読, ケーステンパリング, デイ/ナイト, ストレージデバイスの停止
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,アラーム出力, Handover: PTZ preset,send message by HTTP/HTTPS/TCP,Audio clip playback, MQTT: publication
オーディオ入力		Selectable(mic in/line in), Built-in 3mics
オーディオ出力		Line out
Light Type		IR LED
Light Viewable Length	IR	WiseIR 60m(196.85ft)
IR Wavelength		850nm

分析

Classified Object Type		人, 顔, 車両, ナンバープレート
属性	人	Upper/Lower clothes color, 性別, カバン
	車両	Type(car, bus, truck, motorcycle, bicycle), カラー
	顔	年齢, 性別, 顔マスク, メガネ
Similarity Search		Support

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分析

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) , モーション検知, マスク検知, ソーシャルディスタンス検知, 転倒検知, 仮想領域 (ローターリング、侵入、Enter、Exit、Appear、Disappear)
	通常	焦点ぼけ検知, タンパリング, 音声検出, 衝撃検知
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, 群衆カウント

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
Audio Compression		G.711(PCM): 8kHz(64kbps), G.726(ADPCM): 8kHz(16/24/32/40kbps), AAC-LC: 16kHz(48kbps), OPUS: 16kHz(64kbps)
Smart codec		WiseStream(Based on AI engine)
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 20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, 3 virtual channel support
プロトコル		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, Syslog
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, MAC-based access control, 自動ログアウト
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

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一般

SoC	Type	Wisenet 9
	Dual NPU	Support
メモリ	RAM	4GB
	フラッシュ	8GB eMMC
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	-25°C~+50°C(-13°F~+122°F)
	湿度	0~100% RH(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, Humidity control with AIR vent, Built-in heater
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)		0.0148㎡
Input Voltage		PoE+(IEEE802.3at, Class4), 12VDC
消費電力	PoE	Max. 15.0W, typical 9.0W
	12VDC	Max. 12.7W, typical 7.8W
WisePower		電力モニタリング
電源フェールオーバー		サポート

Mechanical

カラー	白
材料	アルミニウム, Hard-coated dome
RAL Code	RAL9003
Product Dimensions	ø160x125mm(ø6.30x4.92")
Product Weight	1550g(3.42lb)
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, 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/EN 63000, IEC 60529 IP52, IEC 62262 IK10, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78

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AI Detection Distance

Person(1.8m/5.9ft)	Wide	up to 48m(159ft)
	Tele	up to 112m(367ft)
Vehicle(1.45m/4.8ft)	Wide	up to 65m(215ft)
	Tele	up to 151m(495ft)

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	39.8m(130.51ft)
	Tele	119.2m(391.15ft)
Observe (63PPM/ 19PPF)	Wide	15.9m(52.20ft)
	Tele	47.7m(156.46ft)
Recognize (125PPM/ 38PPF)	Wide	8.0m(26.10ft)
	Tele	23.8m(78.23ft)
Identify (250PPM/ 76PPF)	Wide	4.0m(13.05ft)
	Tele	11.9m(39.12ft)

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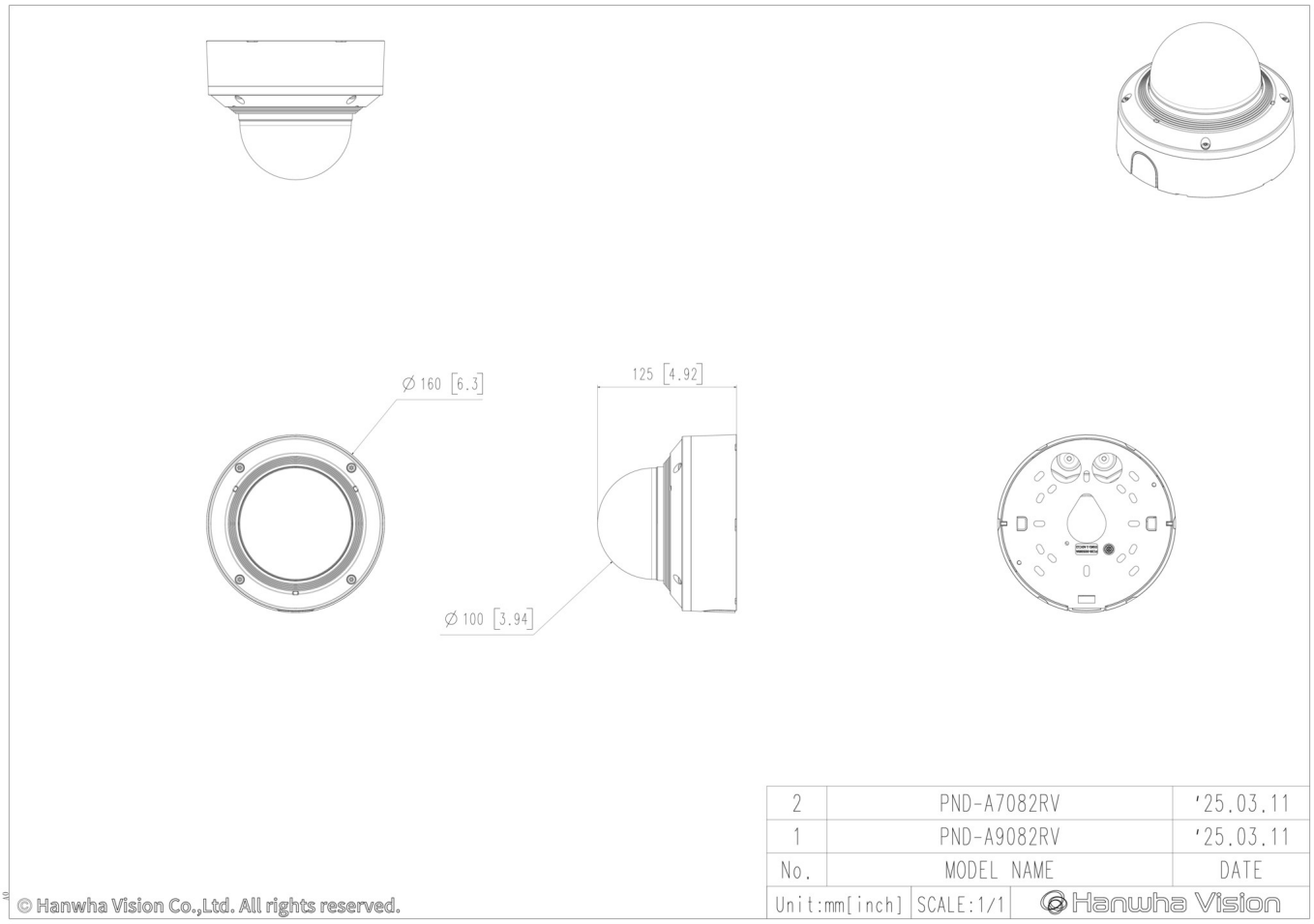
CAD

Unit: mm [inch]



2	PND-A7082RV	'25.03.11
1	PND-A9082RV	'25.03.11
No.	MODEL NAME	DATE
Unit:mm[inch]	SCALE:1/1	Hanwha Vision

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Compatible Devices



SBP-160HMW1



SBP-140CMB



SBP-180CMB



SBP-180CMS



SBP-150CMP

SBP-300CMP

SBP-900CMP

SBP-C15H



SBP-C15NP



SBP-C35H



SBP-C15P



SBP-150CMI



SBP-300CMI



SBP-300CMW1



SBP-900CMW

SBP-300CMTW



SBP-300CMTS



SHD-1372FPW



SBP-140CMT



SBP-250WMW



SBP-400WMW



SBP-115PFA



SBV-180WW



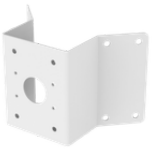
SBP-160TMW1



SBP-150PMW



SBD-180PMW



SBP-156KMW



SBP-156LMW1



SBP-150NBW



SPB-IND87W



SPP-C7400



SPP-C45W



SBP-300WMW



SBP-300WMW1



SBP-300BW1



SBP-300PMW2



SBP-300KMW1



SBP-300LMW



SBP-300NBW

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