



Network

Multi-sensor

PNM-C7083RVD

2MP 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, WiseStreamIII, extremeWDR (120dB)
- Maximum 1920x1080 resolution
- Maximum 30fps/25fps@2MP
- Color: 0.035lux(F2.2, 1/30sec, 30IRE), 0 Lux (IR LED on)
- 3~6mm(2x) motorized varifocal, 75° tilt angle
- IR viewable length: IR 25m(82ft)
- TPM 2.0(FIPS 140-2 certified)
- IP66, NEMA4X, IK10

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Specifications

Video

Imaging Device	1/2.8" CMOS x 2CH
Resolution	1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: 2MP Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Color: 0.035lux(F2.2, 1/30sec, 30IRE) BW: 0.0035lux(F2.2, 1/30sec, 30IRE), 0lux(IR LED on)
Video Out	USB: micro USB Type B, 1280x720 for installation

Lens

Focal Length (Zoom Ratio)	3~6mm(2x) motorized varifocal per CH
Max. Aperture Ratio	F2.2(Wide)~F3.1(Tele)
Angular Field of View	H: 107(Wide)~56.3(Tele) V: 57(Wide)~31.5(Tele) D: 126(Wide)~64.3(Tele)
Min. Object Distance	0.5m(1.64ft)
Focus Control	Simple focus
Lens Type	Fixed IRIS

Pan / Tilt / Rotate

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

Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSDR
Wide Dynamic Range	extremeWDR(120dB)
Digital Noise Reduction	WiseNR II (Based on AI engine), SSNR V
Motion Detection	8ea, 8point Polygonal zones
Privacy Masking	6ea, Quadrangle zones - Color : Gray, Black, White
Gain Control	Support
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec) Auto prefer shutter control(Based on AI engine)
Video Rotation	Flip, Mirror, Hallway view (90°/270°) - Each channel separately
Analytics	Classified object type : Person/Face/Vehicle/License plate Attributes : Vehicle(Type:car/bus/truck/motorcycle/bicycle) Support Bestshot Analytics events based on AI engine - Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit) Analytics events* - Defocus detection, Motion detection, Tampering, Virtual area(Appear/Disappear) * Support Audio detection, Sound classification via optional SPM-4210 I/O box
Alarm I/O	* Support Alarm via optional SPM-4210 I/O box
Alarm Triggers	Analytics, Network disconnect, Alarm input via optional SPM-4210 I/O box

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 - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP) - * Alarm output via optional SPM-4210 I/O box
Audio In	* Audio in via optional SPM-4210 I/O box
Audio Out	* Audio out via optional SPM-4210 I/O box
IR Viewable Length	25m(82ft)

Network

Ethernet	Metal shielded RJ-45 (10/100/1000BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Smart Codec	Manual(5ea area), WiseStream II, WiseStream III(Based on AI engine)
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(10 users) / Multicast 5 profiles per channel
Protocol	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)
Security	TPM 2.0 (FIPS 140-2 level 2) HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) Device Certificate(Hanwha Techwin Root CA, pre-installed) Secure by default certificate Secure OS/Boot/Storage, Verify firmware forgery
Application Programming Interface	ONVIF Profile S/T SUNAPI(HTTP API) Open platform

General

Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Greek, Hungarian
Edge Storage	Micro SD/SDHC/SDXC 1slot Max. 512GB
Memory	2GB RAM, 512MB Flash

Environmental & Electrical

Operating Temperature / Humidity	-40°C~+55°C(-40°F ~ +131°F) / Less than 95% RH(Non-condensing)
Storage Temperature / Humidity	-50°C~+60°C (-58°F~+140°F) / Less than 95% RH(Non-condensing)
Certification	IP66, IK10, NEMA4X
Input Voltage	PoE+(IEEE802.3at, Class4)
Power Consumption	PoE+: Max 20W, typical 15.5W

Mechanical

Color / Material	White / Aluminum Hard-coated dome bubble
RAL Code	RAL9003
Product Dimensions / Weight	215(W)x135(D)x93.2(H)mm(8.46"x5.31"x3.67") / 1330g
Compatible Conduit hole / Gangbox	3/4" (M25) single, double, 4" octagon, 4" square

DORI (EN62676-4 standard)

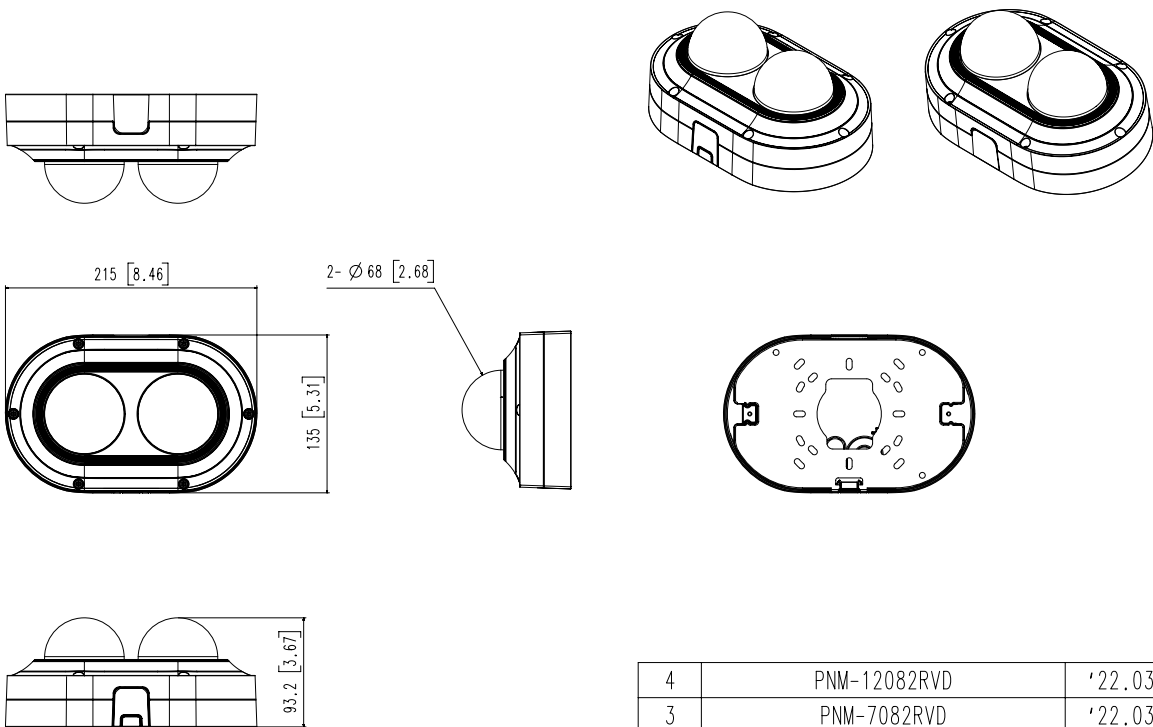
Detect (25PPM/ 8PPF)	Wide: 28.4m(93.22ft) / Tele: 71.8m(235.45ft)
Observe (63PPM/ 19PPF)	Wide: 11.4m(37.29ft) / Tele: 28.7m(94.18ft)
Recognize (125PPM/ 38PPF)	Wide: 5.7m(18.64ft) / Tele: 14.4m(47.09ft)
Identify (250PPM/ 76PPF)	Wide: 2.8m(9.32ft) / Tele: 7.2m(23.55ft)

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CAD

Unit: mm [inch]



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

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