

Network PTZ

TNP-A9430RWB

Cámara PTZ de 8 megapíxeles con Inteligencia Artificial

Key Features

- 8MP Resolución de la imagen
- 43x Zoom óptico
- 50°~90° Rango de inclinación
- 500m Alcance IR
- Estabilización de imagen óptica
- Carga de viento máx. 160 mph
- Temperatura de funcionamiento: -50°C~+60°C(-58°F~+140°F)
- Velocidad de Pan/Tilt líder en su clase (hasta 160°/s)
- Analítica y inteligencia empresarial basada en Inteligencia Artificial
- IP66, IP68, NEMA4X, NEMA TS-2 (2.2.7.2-8, 2.2.8, 2.2.9)

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Specifications

Vídeo

Dispositivo de imagen	Tamaño	1/1.8"
	Tipo	CMOS
Resolución		3840x2160, 3328x1872, 2592x1944, 2592x1464, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Máx. Frecuencia de cuadro	H.265 / H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	30fps(@8MP Max. 5fps)
Mín. Iluminación (Lux)	Color (1/30 seg., 30 IRE)	0.06 Lux(F1.69, 1/30sec, 30 IRE)
	B/N (1/30 seg., 30 IRE)	0.006 Lux(F1.69, IR LED Off), 0Lux (IR LED On)

Objetivo

Longitud focal (mm)		6.1~262.4
Proporción de zoom	Óptico	43
	Digital	1367
Proporción de apertura máx. (número F)	Gran angular	F1.69
	Tele	F4.92
Campo de visión angular	Horizontal	63.62˚(Wide)~1.77˚(Tele)
	Vertical	37.69˚(Wide)~0.99˚(Tele)
	Diagonal	70.9˚(Wide)~2.05˚(Tele)
Mín. Distancia al objeto		5m(16.4ft)
Control de enfoque		Auto, Manual, Oneshot AF, Focus save
Tipo de lente		P iris(IR corrected)

Desplazamiento / inclinación / rotación

Rango de desplazamiento / inclinación / rotación	Desplazamiento horizontal	360° Endless
	Desplazamiento vertical	Upright: 140°(50°~-90°), Canted: 165°(75°~-90°), Inverted: 140°(90°~-50°)
Velocidad Horizontal	Preajuste	Max. 160°/sec
	Manual	0.024°/sec~160°/sec

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Desplazamiento / inclinación / rotación

Velocidad inclinación	Posición predefinida	Max. 160°/sec
	Manual	0.024°/sec~160°/sec
Secuencia		Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Precisión de la Posición Predefinida		±0.07°

Operativo

Indicador de dirección		Support
Día / Noche		Auto(ICR)
Compensación de luz de fondo		BLC, HLC, WDR, SSDR
Rango Dinámico Amplio (dB)		120
Reducción de ruido digital		WiseNR II (Based on AI engine), SSNR V
Estabilización de imagen digital		Support(built-in gyro sensor)
Estabilización de imagen óptica		Support
Desempañador		Support
Detección de movimiento	Cantidad	8ea
	Forma	8point Polygonal zones
Máscara de privacidad	Cantidad	32ea
	Forma	4point Quadrangle zones
	Color / opción	Gray, Green, Red, Blue, Black, White, Mosaic
	Enmascaramiento de privacidad dinámica: Color / opción	Gray, Green, Red, Blue, Black, White, Mosaic, Purple, Yellow
Control de ganancia		Off, Max gain, Manual
Balance de blanco		ATW, NarrowATW, AWC, Manual, Indoor, Outdoor, Mercury, Sodium
Obturador electrónico	Modo	Minimum, Maximum, Anti flicker, Prefer shutter control(Based on AI engine)
	Rango de velocidad	2~1/30,000sec
Rotación de vídeo		Flip&Mirror
Dirección de instalación		Upright, Inverted, Canted
Interfaz de alarma	Otros	Support alarm I/O via optional I/O box
Activadores de alarma		Analytics, Network disconnect, Alarm input, Time schedule, MQTT subscription
Eventos de alarma cuando se ha producido activación de alarma		File upload(image): e-mail/FTP, File upload(video clip): FTP/SFTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output, Handover: PTZ preset,send message by HTTP/HTTPS/TCP,Audio clip playback, MQTT: publication
Entrada de audio		Support via optional I/O box
Salida de audio		Support via optional I/O box
Tipo de luz		IR LED

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Operativo

Longitud visible de luz	IR	500m(1,640.42ft)
Longitud de onda IR		850nm
Extracción de agua		Support(with Wiper)
Extracción de hielo		Window, Pan
Seguimiento automático		Support, Object auto tracking(Person/Vehicle), Target lock tracking

Analíticas

Tipo de objeto clasificado		Person, Face, Vehicle, License plate
Atributos	Persona	Upper/Lower clothes color, Gender, Bag
	Vehículo	Type(car, bus, truck, motorcycle, bicycle), Color
	Rostro	Age, Gender, Face mask, Glasses
Miniatura		BestShot
Eventos de analíticas	Según motor de Inteligencia Artificial	Object detection, Virtual line(Crossing/Direction), Motion detection, Slip & fall detection, Virtual area(Loitering/Intrusion/Enter/Exit/Appear/Disappear), Auto tracking
	Normal	Tampering, Audio detection, Shock detection

Red

Ethernet		RJ-45 Push-pull Connector(10/100BASE-T)
Compresión de vídeo		H.265/H.264: Main/Baseline/High, MJPEG
Códec inteligente		WiseStream(Based on AI engine)
Control del Bitrate		H.265/H.264: CBR or VBR, MJPEG: VBR
Flujos	Unicast	Up to 20 users
	Multicast	Support
	Múltiples flujos	Up to 10 profiles
Protocolo		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, NTCIP 1205, Syslog
Interfaz de programación de la aplicación	ONVIF	S, G, T, M
	Otros	SUNAPI(HTTP API), Hanwha Vision Open Platform
Conexión directa en la nube		Support

Seguridad

S.O. / Protección de firmware	Encrypted firmware, Secure boot, Signed firmware
Autenticación del usuario	Digest authentication, Prevent brute-force attack
Autenticación de red	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
Comunicación segura	HTTPS, WSS(WebSocket Secure), SRTP
Control de acceso	IP-based access control, MAC-based access control, Auto logout
Protección de datos	Encryption credentials, Encrypt compress for live recording file export

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Seguridad

Auditoría	Access / System / Event Log management
ID del dispositivo	Device certificate(Hanwha Vision Root CA)
Almacenamiento seguro	SDcard partition encrypt(AES-256), Secure element
Seguridad cadena de suministro	SBOM
Certificado de seguridad	Secure element(FIPS 140-3 level3, CC EAL6+), ETSI EN 303 645

General

SoC	Type	Wisenet 9
	Dual NPU	Support
Memoria	RAM	4GB
	Flash	8GB eMMC
Almacenamiento local	MicroSD/SDHC/SDXC	Max. 1TB x 1slot
Almacenamiento local (OnCloud)	Micro SD/SDHC/SDXC	Max. 1TB x 1slot *Hanwha Vision branded microSD cards have been certified and recommended for OnCloud edge recording.

Medioambiental y eléctrico

Condición de funcionamiento	Temperaturas	-50°C~+60°C(-58°F~+140°F)
	Humedad	0~100% RH(condensing)
	Otros	+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
Condición de almacenamiento	Temperaturas	-50°C~+60°C(-58°F~+140°F)
	Humedad	0~90% RH(non-condensing)
Carga de viento		Sustained 257km/h (160mph)
EPA (Área Proyectada Efectiva)		0.095㎡
Voltaje de entrada		HPoE(IEEE802.3bt type4, Class8)
Consumo de corriente	PoE	Max 71W, Typical 33.2W
Wisepower		Power mode, Power monitoring, ECO mode

Mecánico

Color		Black
Material		Aluminum, PC(Polycarbonate), ITO Glass
Gestión de materiales	Declaración	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)
Código RAL		RAL9005
Dimensiones del producto		Upright Normal/Inverted : 293.4(W)x205.6(D)x399.9(H)mm (11.55x8.09x15.74") Upright Canted : 293.4(W)x301.9(D)x363.6.9(H)mm (11.55x11.89x14.31")
Peso del producto		10.5kg(9.5kg: Excluding installation part)

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Certificaciones y estándares

EMC	EN 50121-4, 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, EN 55035
Seguridad	UL 62368-1, CAN/CSA C22.2 NO. 62368-1, IEC 62471, IEC/EN/UL 62368-1 GS UL cUL CE FCC VCCI CB
Medioambiente	IEC 60529 IP66, IEC 60529 IP68, IEC 62262 IK10, NEMA TS 2-2013 (2.2.7, 2.2.8, 2.2.9), NEMA 250 type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, MIL-STD-810H 501.7, MIL-STD-810H 502.7, MIL-STD-810H 503.7, MIL-STD-810H 505.7, MIL-STD-810H 506.6, MIL-STD-810H 507.6, MIL-STD-810H 509.7, MIL-STD-810H 510.7, MIL-STD-810H 521.4, IEC 60068-2-52:2017, NEMA TS2, 2.1.9, NEMA TS2, 2.1.10, NEMA TS2, 2.2.4, NEMA 250, 5.6, ASTM B117

DORI (estándar EN62676-4)

Detectar (25 PPM / 8 PPF)	Gran angular	123.8m(406.23ft)
	Tele	4972m(16311ft)
Observar (63 PPM / 19 PPF)	Gran angular	49.5m(162.49ft)
	Tele	1989m(6525ft)
Reconocer (125 PPM / 38 PPF)	Gran angular	24.8m(81.25ft)
	Tele	994.3m(3262ft)
Identificar (250 PPM / 76 PPF)	Gran angular	12.4m(40.62ft)
	Tele	497.2m(1631ft)

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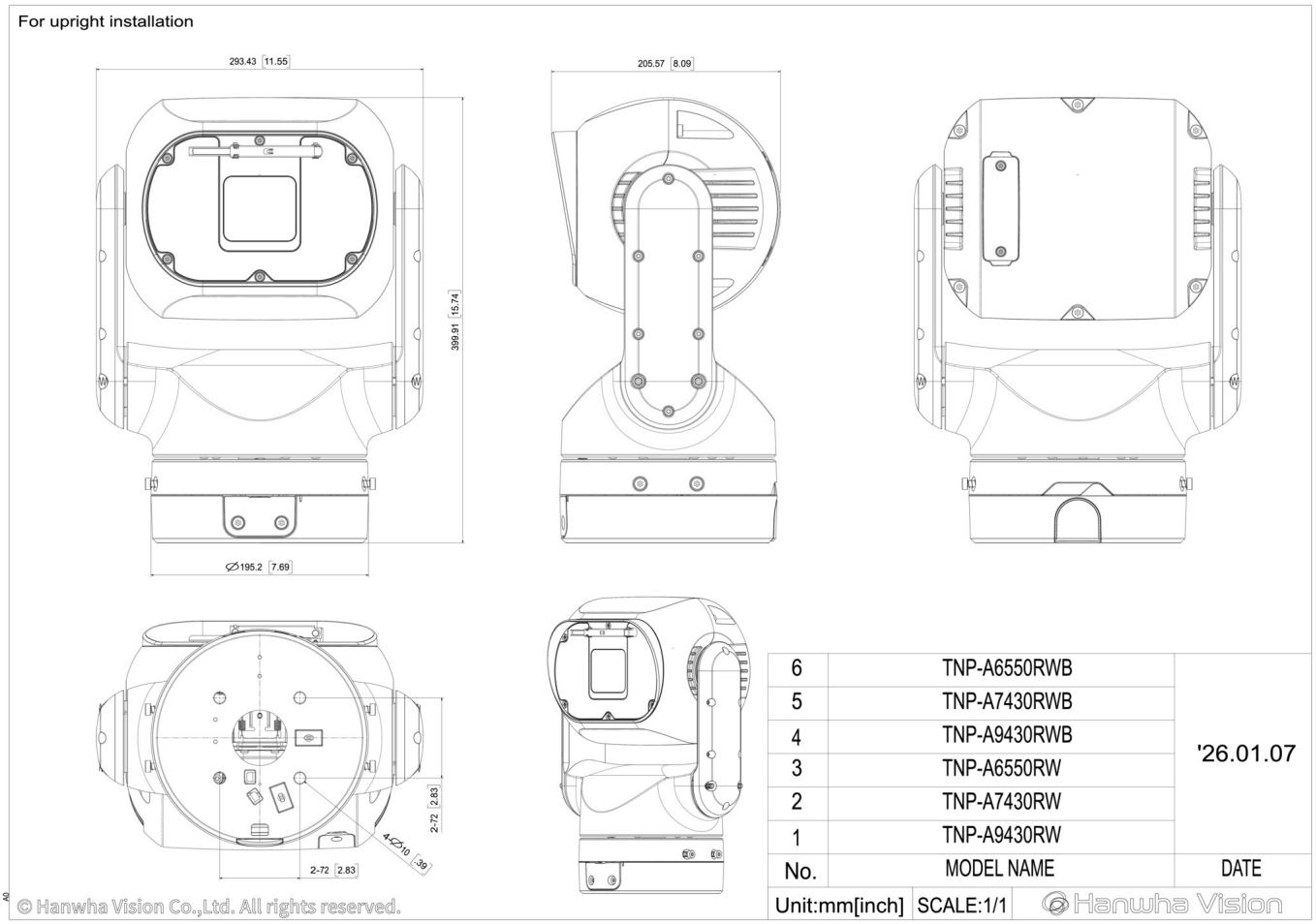
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CAD

Unit: mm [inch]



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Compatible Devices



SBP-004PBB



SBP-004WMB



SBP-150PMW



SBP-156KMW



SPP-K004EP



SPP-C00402EP



SPP-C00405EP



SPP-C00410EP

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