Network PTZ

# TNP-A6550RWB

Cámara PTZ de 2 megapíxeles con IA

## Key Features

- Máx. 2 MP y 55 aumentos
- IP66, IP68 y NEMA4X
- Distancia de IR visible 600 m
- NEMA TS-2 (2.2.7.2-8, 2.2.8, 2.2.9)
- Carga de viento máxima 257 km/h
- Temperatura de funcionamiento -50°C ~ + 60°C
- Eventos de analítica según motor de Inteligencia Artificial: Detección de objetos (persona/rostro/vehículo/matrícula) IVA (Línea/Área virtual, Entrada/Salida, Merodeo, Dirección, Intrusión), Detección de resbalones y caídas, Detección de movimiento
- Admite BestShot y atributos completos
- Admite enmascaramiento de privacidad dinámico (DPM)
- WDR Extremo, WiseNRII (basado en motor de IA), WiseStream (basado en motor de IA)
- Admite Wisepower (Supervisión de la alimentación eléctrica, modo Eco)
- Certificado del dispositivo (Hanwha Vision Root CA), almacenamiento seguro (Secure element con certificación FIPS 140-3 nivel 3 / CC EAL6+), SBOM

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# TNP-A6550RWB

Cámara PTZ de 2 megapíxeles con IA

## Specifications

### Vídeo

| | | |
|---|---|---|
| Dispositivo de imagen | Tamaño | 1/2.8" |
| | Tipo | CMOS |
| Resolución | | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Máx. Frecuencia de cuadro | H.265 / H.264 | 60fps/50fps(60Hz/50Hz)(WDR off) / 30fps/25fps(60Hz/50Hz)(WDR on) |
| | MJPEG | 30fps |
| Mín. Iluminación (Lux) | Color (1/30 seg., 30 IRE) | 0.02Lux(F1.6, 1/30sec) |
| | B/N (1/30 seg., 30 IRE) | 0.002 lux (1/30sec,F1.6), 0Lux(IR LED On) |

### Objetivo

| | | |
|---|---|---|
| Longitud focal (mm) | | 4.75~261.4 |
| Proporción de zoom | Óptico | 55 |
| | Digital | 1760 |
| Proporción de apertura máx. (número F) | Gran angular | F1.6 |
| | Tele | F6.5 |
| Campo de visión angular | Horizontal | 58.6˚(Wide)~1.23˚(Tele) |
| | Vertical | 34.8˚(Wide)~0.71˚(Tele) |
| | Diagonal | 65.5˚(Wide)~1.39˚(Tele) |
| Mín. Distancia al objeto | | 5m(16.4ft) |
| Control de enfoque | | Auto, Manual, Oneshot AF, Focus save |
| Tipo de lente | | DC auto iris |

### Desplazamiento / inclinación / rotación

| | | |
|---|---|---|
| Rango de desplazamiento / inclinación / rotación | Desplazamiento horizontal | 360° Endless |
| | Desplazamiento vertical | Upright: 140°(50°~-90°),<br>Canted: 165°(75°~-90°),<br>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) |
| 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,<br>File upload(video clip): FTP/SFTP,<br>Notification: e-mail,<br>Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output,<br>Handover: PTZ preset,send message by HTTP/HTTPS/TCP,Audio clip playback,<br>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 |
| Longitud visible de luz | IR | 600m(1,968.50ft) |

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## Operativo

| | | |
|---|---|---|
| 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,<br>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 |
| Auditoría | Access / System / Event Log management |

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## Seguridad

| | |
|---|---|
| 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 28.3W |
| 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")<br>Upright Canted : 293.4(W)x301.9(D)x363.6.9(H)mm (11.55x11.89x14.31") |
| Peso del producto | | 10.4kg(9.4kg: Excluding installation part) |

## 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 |

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## Certificaciones y estándares

| | |
|---|---|
| **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 | 68.4m(224.5ft) |
| | Tele | 3577.4m(11736.7ft) |
| **Observar (63 PPM / 19 PPF)** | Gran angular | 27.4m(89.8ft) |
| | Tele | 1430.9m(4694.7ft) |
| **Reconocer (125 PPM / 38 PPF)** | Gran angular | 13.7m(44.9ft) |
| | Tele | 715.5m(2347.3ft) |
| **Identificar (250 PPM / 76 PPF)** | Gran angular | 6.8m(22.5ft) |
| | Tele | 357.7m(1173.7ft) |

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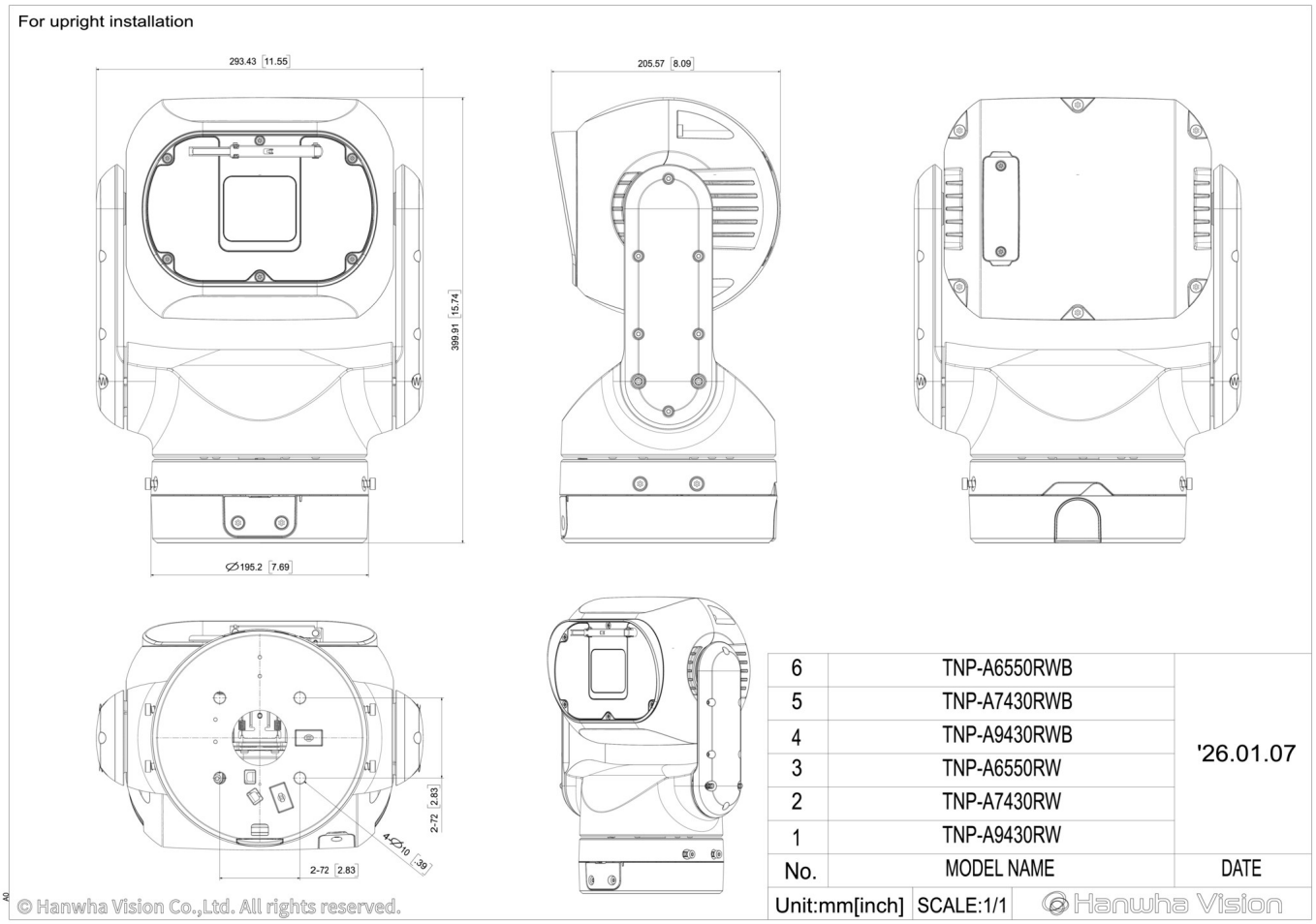
## CAD

**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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