

WISENET

CÁMARA DE RED

Manual del usuario

XNP-6550RH



Cámara de Red

Manual del usuario

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Marca comercial

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❖ El diseño y las especificaciones están sujetos a cambio sin aviso.

❖ El ID inicial del administrador es "admin" y la contraseña debe establecerse al iniciar sesión por primera vez. Por favor, cambie su contraseña cada tres meses para proteger de forma segura la información personal y evitar daños por el robo de información. Por favor, tenga en cuenta que es responsabilidad del usuario la seguridad y otros problemas causados por el mal manejo de una contraseña.

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

1. Lea estas instrucciones.
2. Consérvelas.
3. Atente para todas las advertencias.
4. Siga todas las instrucciones.
5. No utilice este aparato cerca del agua.
6. Limpie el área contaminada en la superficie del producto con un paño seco y suave o un paño húmedo. (No utilice detergente o productos cosméticos que contengan alcohol, disolventes o tensioactivos o constituyentes de aceites, ya que pueden deformar o dañar el producto).
7. No obstruya ninguna apertura de ventilación. Instale el aparato siguiendo las instrucciones del fabricante.
8. No lo instale cerca de ninguna fuente de calor como radiadores, focos de calor o cualquier otro aparato (incluidos los amplificadores) que emita calor.
9. No olvide que la finalidad de los enchufes polarizados o de toma a tierra es proporcionarle seguridad. Un enchufe polarizado tiene dos clavijas, una más ancha que la otra. Un enchufe con toma a tierra tiene dos clavijas y una tercera de toma a tierra. Tanto la clavija más ancha, en el caso del enchufe polarizado, como la clavija adicional, en el caso del enchufe con toma a tierra, tienen como objetivo aportarle seguridad. Si el enchufe del aparato no encaja en su toma de corriente, póngase en contacto con un electricista para cambiar la toma de corriente obsoleta.
10. Evite pisar o doblar el cable de alimentación. Ponga especial cuidado para no hacerlo en enchufes, tomas de corriente y en los puntos en los que salen desde el aparato.
11. Utilice únicamente los dispositivos y accesorios especificados por el fabricante.
12. Utilice sólo las mesitas con ruedas, soportes, tripodes o mesas recomendadas por el fabricante o vendidas con el aparato. Cuando se utilice una mesita con ruedas, tenga cuidado al mover la mesita con ruedas junto con el aparato para evitar daños por vuelco.
13. Desenchufe este aparato durante tormentas eléctricas o cuando no se utilice durante largos períodos de tiempo.
14. Remita todas las reparaciones a personal de mantenimiento cualificado. Es necesario enviar el aparato para su reparación cuando ha sufrido cualquier tipo de daño, como, por ejemplo, que el cable o el enchufe de la alimentación está dañado, se han derramado líquidos sobre el aparato o algún objeto ha caído sobre él, el aparato ha sido expuesto a la lluvia o a humedad, no funciona correctamente o se ha caído al suelo.
15. Este producto se ha diseñado para recibir alimentación de unidades de suministro eléctrico marcadas como «clase 2» o «LPS» y con valores nominales de 24 V CA (50/60 Hz), mínimo 4,9 A o PoE, 1,15 A.
16. Si utiliza una fuerza excesiva al instalar el producto, es posible que la cámara pueda sufrir daños y funcione de forma incorrecta. Si instala el producto de forma forzada utilizando herramientas no compatibles, es posible que el producto pueda sufrir daños.
17. No instale el producto en un lugar donde exista o pueda generarse sustancias químicas o niebla de aceite. Los aceites comestibles como el aceite de soja pueden dañar o deformar el producto, por lo que no debe instalar el producto en la cocina o cerca de la mesa de la cocina. Esto podría causar daños al producto.
18. Al instalar el producto, tenga cuidado y no permita que la superficie del producto se manche con sustancias químicas. Algunos disolventes químicos como limpiadores o adhesivos pueden causar daños graves a la superficie del producto.
19. Si instala o desmonta el producto de una manera que no se ha recomendado, es posible que las funciones/ rendimiento de producción no estén garantizados. Instale el producto consultando "Instalación y conexión" en el manual del usuario.
20. La instalación o uso del producto en el agua puede causar daños graves al producto.
21. Si su producto funciona normalmente, el grado preestablecido de precisión es de 0,2°. En caso de reinicio por una interrupción del servicio, actualización del firmware, etc., es posible que deba ajustarse la tolerancia después de verificar cualquier cambio en la Configuración de preajustes.



ADVERTENCIA

PARA REDUCIR EL RIESGO DE INCENDIO O DESCARGA ELÉCTRICA, MANTENGA ESTE DISPOSITIVO LEJOS DE LLUVIA Y/O LA HUMEDAD. NO INSERTE NINGÚN OBJETO METÁLICO EN LAS REJILLAS DE VENTILACIÓN NI EN NINGUNA ABERTURA DEL EQUIPO.

No debe exponer el aparato a gotas ni salpicaduras de agua ni a objetos con líquido, como jarrones, evitando colocarlos sobre el aparato.

Para evitar daños, este aparato debe instalarse de forma adecuada en el techo o la pared de acuerdo con las instrucciones de instalación.

Los motores con bandeja/volante/zoom y el anillo colector tienen garantía por un año bajo un funcionamiento continuo.

PRECAUCIÓN

	PRECAUCIÓN NO ABRIR RIESGO DE SUFRIR UNA DESCARGA ELÉCTRICA	
PRECAUCIÓN : PARA REDUCIR EL RIESGO DE SUFRIR UNA DESCARGA ELÉCTRICA, NO RETIRE LA CUBIERTA (NI LA PARTE POSTERIOR). DENTRO NO HAY PIEZAS QUE PUEDAN SER REPARADAS POR EL USUARIO. REMITA EL APARATO A PERSONAL DE MANTENIMIENTO CUALIFICADO.		

EXPLICACIÓN DE LOS SÍMBOLOS GRÁFICOS



Un triángulo con un rayo y una punta de flecha es un símbolo de advertencia para avisar al usuario de la presencia de "voltajes peligrosos" dentro de la carcasa del producto que pueden ser lo suficientemente intensas como para constituir un peligro de descarga eléctrica.



Un triángulo con un signo de exclamación es un símbolo de advertencia para avisar al usuario de que hay instrucciones importantes de funcionamiento y mantenimiento (reparaciones) en la documentación que acompaña al aparato.

Construcción de clase I

Un aparato con construcción de CLASE I se conectará a una toma de corriente con la conexión de protección de tierra.

Batería

No debe exponer las baterías (paquete de batería o pilas instalados) a calor excesivo, a la luz directa del sol ni al fuego, etc.

No es posible sustituir la batería.

Desconexión del dispositivo

Desconecte el enchufe de corriente del aparato si está defectuoso. Y llame a un servicio de reparaciones.

Cuando lo utilice fuera de EE.UU., se puede utilizar el código HAR con acoplamiento de una agencia aprobada.

PRECAUCIÓN

Estas instrucciones de servicio están destinadas únicamente a personal de servicio técnico cualificado.

Para reducir el riesgo de descarga eléctrica no realice ninguna operación de servicio que no sean las indicadas en las instrucciones de funcionamiento a menos que esté cualificado para hacerlo.

Se suministra el terminal de salida CVBS del producto para facilitar la instalación, aunque no se recomienda utilizarlo con fines de gestión.

Utilice la alimentación de entrada con sólo una cámara y sin que estén conectados otros dispositivos.

El ITE solo se debe conectar a redes PoE sin enviarlo a la red externa.

Lea detenidamente las precauciones de seguridad recomendadas que se incluyen a continuación.

- No coloque este aparato sobre una superficie desigual.
- No lo instale en una superficie expuesta a la luz directa del sol, cerca de equipos de calefacción ni cerca de áreas frías.
- No coloque este aparato cerca de material conductivo.
- No intente reparar este aparato por sí solo.
- No coloque jarrones sobre el producto.
- No lo instale cerca de fuentes magnéticas.
- No bloquee las aberturas de ventilación.
- No coloque objetos pesados sobre el producto.
- Use guantes protectores cuando instale/desinstale la cámara.
La alta temperatura de la superficie del producto puede causar quemaduras.

El Manual del usuario es una guía sobre cómo utilizar los productos.

El significado de los signos que se utilizan en el manual es el siguiente.

- Referencia : en caso de que se facilite información de ayuda sobre el uso del producto
- Aviso : si existe alguna posibilidad de que se produzcan daños en bienes o lesiones en personas causadas por no seguir las instrucciones
- ✘ Lea este manual por razones de seguridad antes de utilizar los productos y guárdelo en un lugar seguro.

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CARACTERÍSTICAS RECOMENDADAS DEL ORDENADOR

- CPU : Intel(R) Core(TM) i7 a 3,4 GHz o superior
- RAM : 8G o superior
- SO admitido : MS Windows, Mac OS X
- Navegador recomendado: Google Chrome
Navegadores compatibles: MS Explorer, MS Edge, Mozilla Firefox (solo Windows 64bit), Apple Safari (solo Mac OSX)

Consulte el apéndice para obtener información detallada sobre sistemas operativos y navegadores verificados.

ESPECIFICACIONES DE LA TARJETA DE MEMORIA MICRO SD/SDHC/SDXC RECOMENDADA

- Capacidad recomendada : De 16 GB a 256 GB (tipo MLC)
- Para esta cámara se recomiendan los siguientes tipos de tarjetas de memoria de los siguientes fabricantes.
 - Fabricante : SanDisk, Transcend
 - Familia de productos : High endurance

ESPECIFICACIONES RECOMENDADAS PARA NAS

- Capacidad recomendada : Se recomienda que sea de 200 GB o superior.
- Acceso simultáneo : Una unidad de NAS puede aceptar un máximo de accesos simultáneos de hasta dieciséis cámaras.
- Para esta cámara, se recomienda utilizar una unidad NAS con las siguientes especificaciones del fabricante.










Productos recomendados	Tamaños disponibles
Netgear NAS	Accesos simultáneos para un máximo de 16 cámaras.
NAS Synology	Accesos simultáneos para un máximo de 16 cámaras.





- No asigne la capacidad de uso cuando utilice equipos Netgear NAS.
- El número de accesos a cámaras se reducirá si utiliza la unidad NAS para otros fines que no sean el de almacenamiento de vídeo.

COMPONENTES

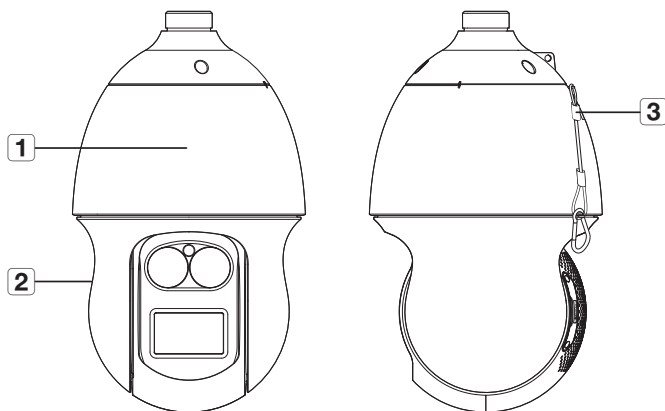
Compruebe si la cámara y los accesorios se incluyen en el paquete del producto.
(Debido a los diferentes países de venta, los accesorios no son los mismos.)

Aspecto	Nombre de elemento	Cantidad	Descripción
	Cuerpo principal	1	
	Manual de consulta rápida (Opcional)	1	
	Tarjeta de garantía (Opcional)	1	
	Inyector HPoE	1	Conecta el suministro eléctrico y la red
	Cable para probar el monitor	1	Se utiliza para probar la conexión de la cámara en un dispositivo de visualización portátil
	Cable eléctrico	1	Conecta a HPoE
	Cable de audio/RS-485	1	Utilizado para audio y conexión RS-485
	Tornillo hexagonal	3	Se utiliza para acoplar la base de instalación a la cámara
	Llave en L	1	Se utiliza para fijar la base de instalación tras acoplarla en la cámara

Aspecto	Nombre de elemento	Cantidad	Descripción
	Base de instalación	1	Soporte para la instalación del producto
	Accesorio de impermeabilización	1	Instale y utilice donde haya mucha humedad.

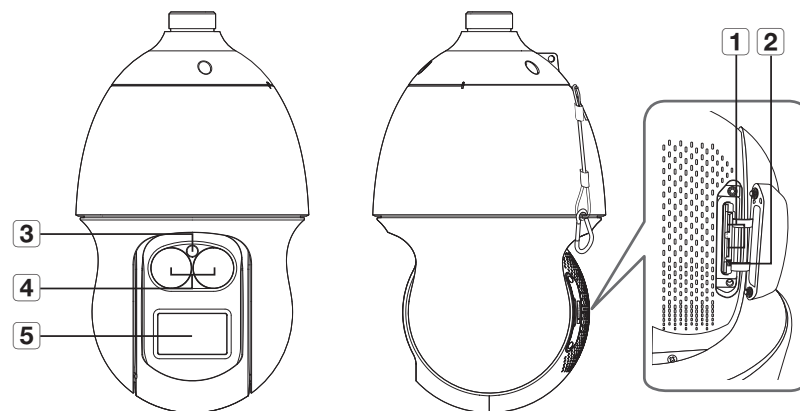
VISTA

Aspecto



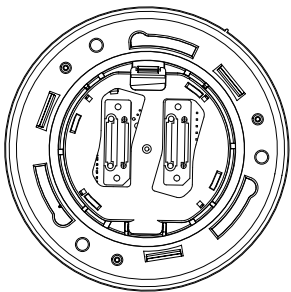
Elemento	Descripción
1 Unidad principal	Protege el mecanismo interno de PTZ de la luz directa del sol, la lluvia o impactos externos.
2 Tapa protectora	Tapa para protección de la lente y la unidad.
3 Cable de seguridad	El cable evita que el producto se caiga durante la instalación.

Interior

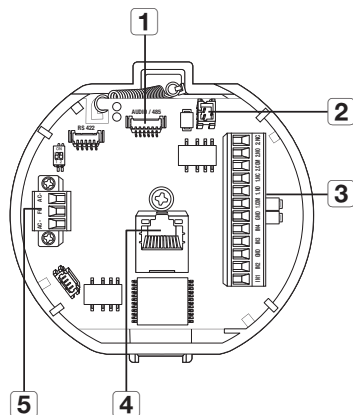


Elemento	Descripción
1 Compartimento de la tarjeta de memoria Micro SD	Compartimento de la tarjeta de memoria Micro SD. ☑ Consulte <Insertar/Eliminar una Tarjeta de Memoria Micro SD> para saber la posición de introducción/colocación de la tarjeta de memoria Micro SD. (página 10)
2 Botón de reinicialización	Este botón restaura los valores predeterminados de la cámara. Manténgalo pulsado durante unos 5 segundos para reiniciar el sistema. ❗ Si reinicia la cámara, los ajustes de red se ajustarán de forma que se pueda habilitar DHCP. Si no hay ningún servidor DHCP en la red, debe ejecutar el programa del Device Manager para cambiar los ajustes básicos de la red tales como la dirección IP, la máscara de subred, la puerta de enlace, etc., antes de poder conectarse a la red.
3 Sensor de iluminación	Detecta la luz entrante para controlar el LED de infrarrojos.
4 LED IR	Son LED de infrarrojos que se controlan mediante un sensor de iluminación.
5 Objetivo	Objetivo de la cámara.

Vista inferior de la base de instalación




Vista interior de la base de instalación



Elemento	Descripción
1 Conector Audio/RS-485	Esta es una terminal para conectar cables de audio y RS-485.
2 Puerto de salida de vídeo	Puerto de salida de vídeo analógico. (Para instalación.)
3 Puerto E/S de alarma	Se utiliza para conectar el cable de E/S de alarma.
4 Conexiones de red	Puerto para la conexión con la red mediante un cable Ethernet.
5 Puerto de alimentación	Se utiliza para conectar la alimentación.

INSTALACIÓN

-  La cámara es resistente al agua y cumple la norma IP66. No obstante, el conector hembra conectado al cable externo no es. Se recomienda instalar este producto por debajo del borde de los aleros para evitar que el cable quede en el exterior.


Precauciones antes de la instalación

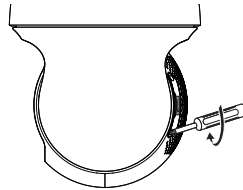
Asegúrese de leer las siguientes instrucciones antes de instalar la cámara:

- Seleccione un lugar para la instalación que al menos soporte 5 veces el peso de la cámara.
- Cables doblados o pelados pueden causar daños en el producto o producir un incendio.
- Por razones de seguridad, mantenga alejado a todo el mundo del lugar de la instalación. Y guarde aparte las pertenencias personales, como precaución.
- Si el producto se instala con excesiva fuerza, la cámara debido podría sufrir daños debido a un mal funcionamiento. Forzar el ensamblaje utilizando herramientas no compatibles puede dañar el producto.

Inserte una tarjeta de memoria Micro SD

1. Afloje dos tornillos en el soporte SD girándolos en sentido contrario a las agujas del reloj con el destornillador.


- 
 - Desconecte el cable de alimentación de la cámara antes de insertar la tarjeta de memoria Micro SD.
 - Cuando llueve o la humedad es alta, no se recomienda que inserte o expulse una tarjeta Micro SD.
 - Durante la instalación o extracción de la tarjeta de memoria Micro SD, asegúrese de colocar el cuerpo del producto sobre una superficie plana antes de trabajar en él para evitar accidentes por pérdida o caída de piezas.
 - No quite el tornillo por completo.

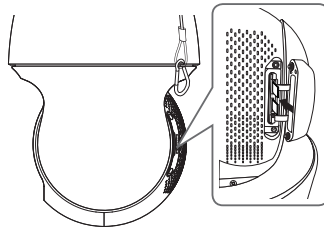


2. Levante el soporte SD y coloque la tarjeta de memoria Micro SD en la dirección de la flecha, como se muestra en la figura.

-  No lo inserte a la fuerza en la dirección inversa. Podría dañar la tarjeta de memoria Micro SD y el producto.


3. Monte la cámara en el orden inverso de desmontaje una vez que haya insertado la tarjeta de memoria Micro SD.

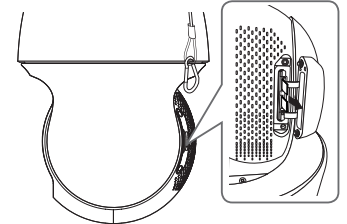
-  Ajuste los tornillos al ensamblar el cuerpo de la cámara, la cubierta protectora y el soporte SD para evitar la entrada de humedad.



Quite la tarjeta de memoria Micro SD

Presione suavemente hacia abajo en el extremo expuesto de la tarjeta de memoria como se muestra en el esquema para sacarla de la ranura.

- 
 - Tenga en cuenta que si empuja firmemente y suelta la tarjeta de memoria Micro SD al expulsarla, puede salirse.
 - Antes de retirar la tarjeta de memoria Micro SD, en <Almacenamiento>, ajuste el dispositivo en <Des> y pulse el botón [Aplicar] y apague la cámara.
 - Si apaga la cámara o retira la tarjeta de memoria SD que contiene datos, puede perderlos o dañarlos.



Preparación e instalación del soporte de la cámara

Para obtener instrucciones de instalación de los soportes y carcasas, consulte el manual de instalación que se incluye con los mismos.

Modelos de soportes disponibles

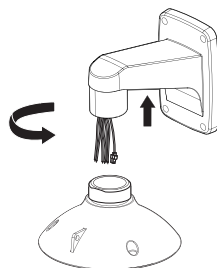
Modelo	Elemento
SBP-300WM1	Soporte de pared
SBP-300WM	
SBP-300CM	Soporte de montaje en techo
SBP-300LM	Soporte de parapeto
SBP-300KM	Soporte para esquina
SBP-300PM	Soporte para poste

-  Consulte "Accesorios opcionales para la instalación" para ver el aspecto de cada soporte (no se incluye). (Página 13)

Instalación mediante el soporte de pared

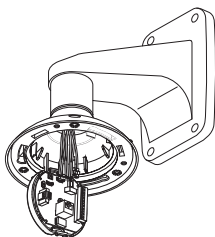
■ Fije la base de instalación con la abrazadera

1. Fije la base de instalación con la abrazadera girando a la derecha.



2. Como se muestra en la imagen que se incluye a continuación, presione suavemente y levante la manivela de la puerta con asa situada en la parte inferior de la base de instalación. Consulte "Placa de la interfaz de cableado de la cámara" en la página 14, conecte los cables.

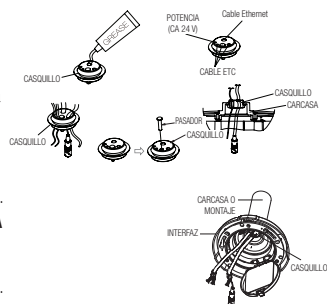
- ! ■ No conecte la cámara a una toma de corriente hasta completar la instalación. El suministro de alimentación mientras se realiza la instalación puede causar un incendio o daños en el producto.



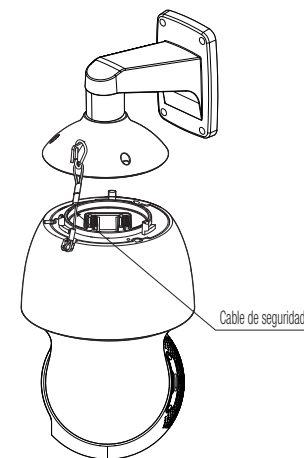
- ☑ Compruebe el método de conexión por cable e instale.

- Tenga en cuenta que los **CASQUILLOS** se facilitan para instalaciones exteriores donde existen condiciones de humedad a través del **TUBO** o **MONTAJE**, instale el **CASQUILLO** utilizando el **CASQUILLO** para impedir la entrada de humedad.

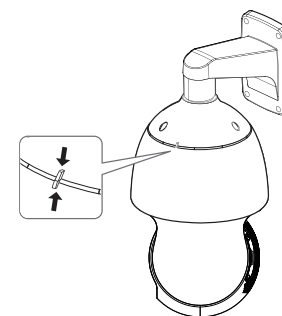
- Aplique grasa en la dosis apropiada en el **CASQUILLO** antes del montaje y dirija los cables por cada orificio de los casquillos. Utilice **PASADORES** para obstruir los orificios vacíos que no tengan cables.
- Monte el **CASQUILLO** en el lado superior del inferior de la **CARCASA** como se muestra en el diagrama que se incluye a continuación. En ese momento, aplique presión de forma uniforme en el **CASQUILLO** para fijarlo bien al **ALOJAMIENTO** como se muestra en el diagrama.



3. Conecte el cable de seguridad de la cámara a la base de instalación.

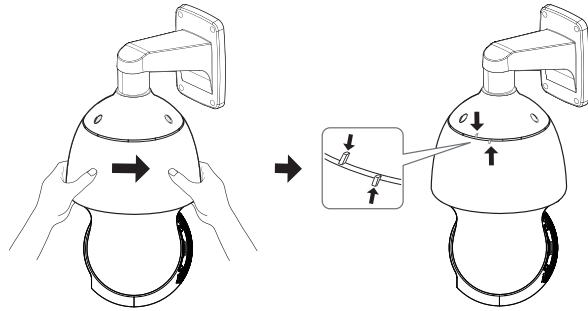


4. Montaje de la cámara y la base de instalación. Monte el conjunto de la cámara y la base de instalación haciendo coincidir las guías de dirección de instalación.



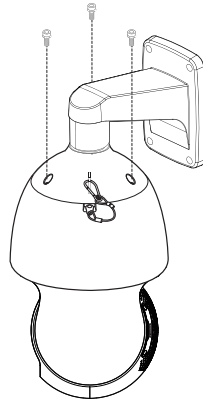
5. Conecte la cámara

Gire el cuerpo principal de la cámara en sentido horario hasta la posición de la marca de referencia en la sección superior y la sección inferior como se muestra en la figura.



6. Fije la cámara y la base de instalación

Como se muestra en la imagen que se incluye a continuación, fije la base de instalación y la cámara utilizando 3 tornillos hexagonales.



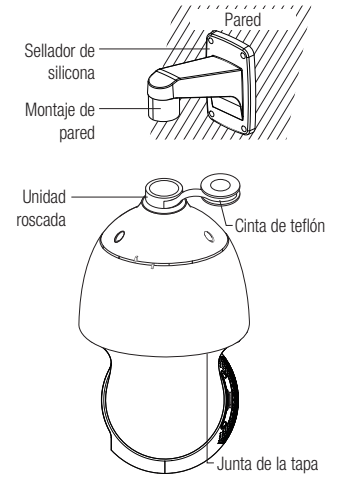
Advertencias para la impermeabilización

Este modelo es un producto de carcasa integrada para instalación en exteriores.

■ Cuando se combina el cuerpo principal y el montaje para instalación en la pared

1. Instale el montaje de pared en la pared vertical. Cuando se instala en una pared inclinada la humedad puede filtrarse en el cuerpo principal a través del cable exterior.
2. Envuelva la parte roscada de la cubierta con la cantidad suficiente de cinta de teflón.
3. Comprobar que la junta no se desmonta de la tapa cuando ésta se separa y se monta en el cuerpo de la carcasa.
4. Instale el adaptador de montaje en la pared para impermeabilización, y aplique sellador de silicona por la pared y entre la pared y el montaje para sellarlo.

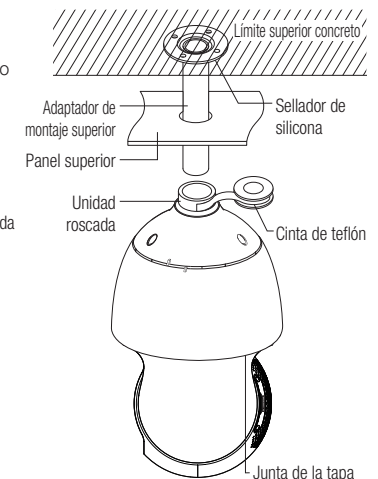
! ■ Asegúrese que el sellado es correcto en caso que la parte instalada no es plana.



■ Al combinar el cuerpo principal y el adaptador de montaje en cielo raso para instalación en la pared

1. Envuelva la parte roscada de la cubierta con la suficiente cantidad de cinta de teflón.
2. Comprobar que la junta no se desmonta de la tapa cuando ésta se separa y se monta en el cuerpo de la carcasa.
3. Instale el adaptador de montaje superior para impermeabilización, aplicando sellador de silicona por la pared y entre la pared y el montaje hasta que quede bien sellado.

! ■ Asegúrese que el sellado es correcto en caso que la parte instalada no sea plana.

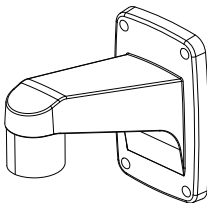


Accesorios opcionales para la instalación

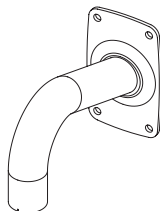
Para una instalación más sencilla, puede adquirir los accesorios opcionales apropiados disponibles.

1. Si se instala la cámara en la pared

- Soporte de pared (SBP-300WM1)

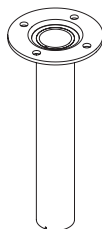


- Soporte de pared (SBP-300WM)



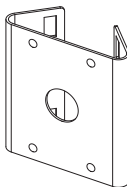
2. Si se instala la cámara en el techo

- Soporte de montaje en techo (SBP-300CM)



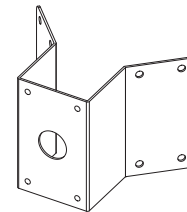
3. Si se instala en el soporte de pared (SBP-300WM/SBP-300WM1) en un cilindro de al menos 80 mm de longitud

- Soporte para poste (SBP-300PM)



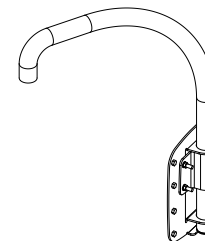
4. Si se instala en el soporte de pared (SBP-300WM /SBP-300WM1) en una esquina

- Soporte para esquina (SBP-300KM)

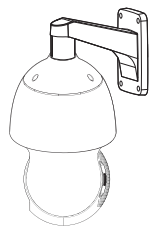


5. Si se instala en el tejado de un edificio

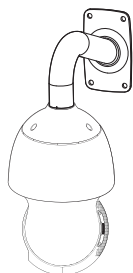
- Soporte de parapeto (SBP-300LM)



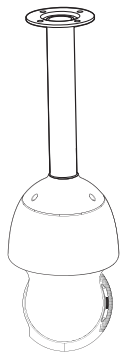
▪ Junta del montaje



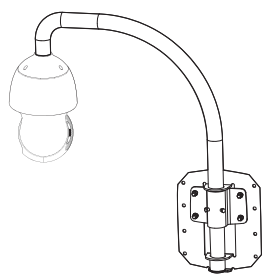
Soporte de pared (SBP-300WM1)



Soporte de pared (SBP-300WM)



Soporte de montaje en techo (SBP-300CM)

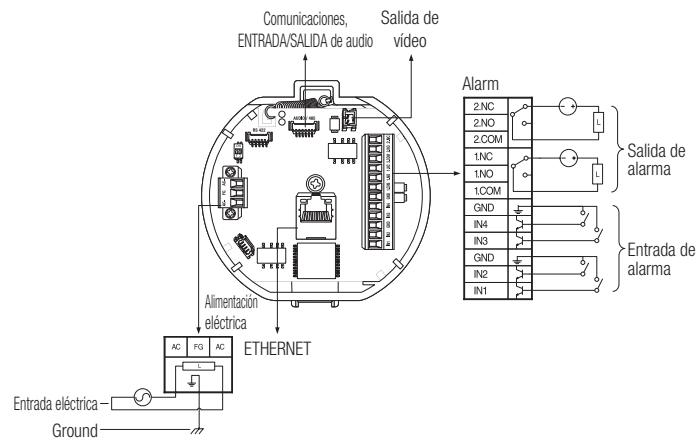


Soporte de parapeto (SBP-300LM)

CONEXIÓN CON OTROS DISPOSITIVOS

Placa de la interfaz de cableado de la cámara

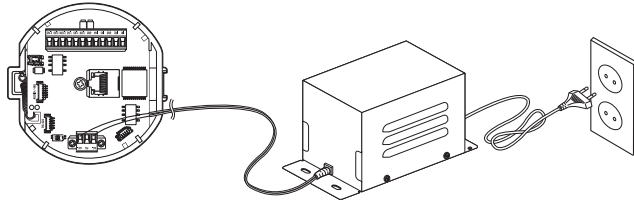
Para el cableado de la cámara, consulte la imagen que se incluye a continuación.



- Seleccione Normal Abierto en el menú de configuración.
 - La entrada del sensor se activa durante un cortocircuito para tipo contacto o cuando está en nivel "Bajo" para el tipo activo.
- Seleccione Normal Cerrado en el menú de Configuración.
 - La entrada del sensor se activa cuando está abierto para el tipo contacto o cuando está en estado de alta impedancia (colector abierto) para el tipo activo.
- La capacidad máxima del terminal de salida de la alarma es de 30 V CC/2 A, 125 V CA/0,5 A y 250 V CA/0,25 A.
- Alíñe los cables de entrada y salida, asegúrese de conectar un cable a cada terminal.
- Para conectar productos por encima de la capacidad de la cámara, utilice un dispositivo de relé adicional.
- Si los cables de la toma de tierra y de alimentación no están conectados correctamente al puerto COM o NA/NC, podría producirse un incendio o averiarse el equipo.

Preparación del adaptador y el cable

- Conecte la cámara al adaptador de corriente. A continuación, enchufe el cable de alimentación del adaptador en la toma de corriente.



Compruebe la tensión y la corriente nominal antes de realizar las conexiones.

Potencia nominal	Tensión de entrada permitida	Consumo de corriente
24V CA	CA 22V ~ 26V	6 A

- El producto no se puede usar a temperatura ambiente de -50°C o inferior.
- Este producto no se puede descongelar según el área de instalación -50°C .
- Si el producto ha permanecido en un ambiente de baja temperatura, tardará unas 2 horas en volver a funcionar con normalidad.
- La velocidad de zoom del atenuador IR disminuye en ambientes de -40°C o menos.
- Si se enciende el producto antes de estar expuesto a un ambiente de -20°C o menos durante un tiempo, es necesario poner el tiempo a cero.
- Si desea conectar un dispositivo externo, debe apagar el dispositivo externo antes de continuar.

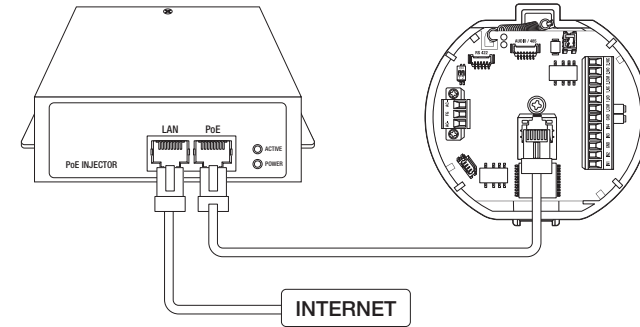
Especificaciones del cable de alimentación

En caso de entrada de 24V CA:

Tipo de alambre (AWG)	#16	#14
Longitud del cable (máx.)	14m	23m

Conexión Ethernet

Conecte el cable Ethernet a la red local o a Internet.



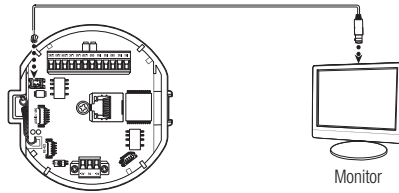
- Por favor utilice un adaptador compatible apropiado para la fuente de alimentación del dispositivo.

Características del cable de red

Elemento	Contenido	Observaciones
Conector	RJ45 (10/100BASE-T)	
Ethernet	10/100BASE-T	
Cable	UTP de categoría 5e	
Distancia máx.	100M	Resistencia de CC $\leq 0,125 \Omega / \text{m}$
Soporte HPoE	HPoE	

Conexión del monitor de instalación

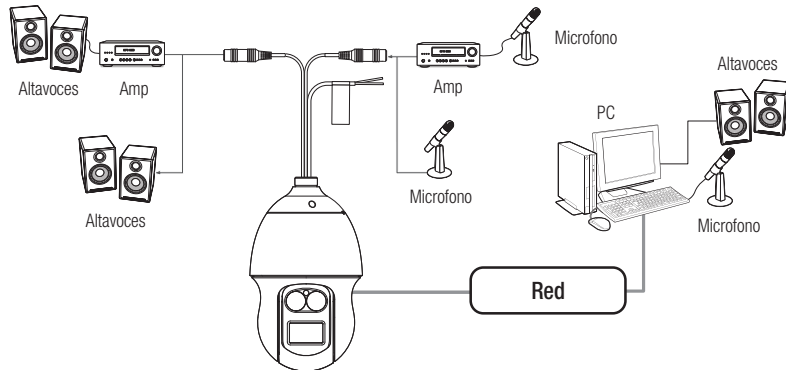
Conecte el cable al terminal de salida de vídeo de la parte trasera de la cámara y el terminal de entrada de vídeo del monitor de instalación.



- El cableado varía dependiendo del tipo de monitor y de los dispositivos periféricos; consulte el manual del usuario de cada dispositivo.
- Asegúrese de que el monitor y la cámara estén apagados cuando se conecten.

- ! ■ El producto es una cámara de red que transfiere vídeo por una red; el terminal de salida de vídeo se utiliza para ajustar el rango de imágenes de la cámara en la instalación.
- La utilización del terminal para vigilancia puede causar problemas como la degradación de la calidad del vídeo.
- No apto para control profesional de 24 horas usando monitores de TRC profesionales o monitores portátiles TFT/LCD.
- Use la pantalla de transferencia de red para el control y almacenamiento de 24 horas.

Conectar la Entrada/Salida de Audio



1. Conecte el puerto AUDIO IN de la cámara con el micrófono o al puerto LINE OUT del amplificador al que está conectado el micrófono.
2. Conecte el puerto AUDIO OUT de la cámara con el micrófono o al puerto LINE IN del amplificador al que está conectado el altavoz.
3. Compruebe las especificaciones de entrada de audio.

• Códec de Audio

- Entrada de audio : G.711 PCM (Velocidad en bits: 64 kbps / Frecuencia de muestreo: 8 kHz), G.726 ADPCM (Velocidad en bits: 16 Kbps, 24 Kbps, 32 Kbps, 40 Kbps / Frecuencia de muestreo: 8 kHz), AAC (Bit Rate: 48Kbps / Frecuencia de muestreo: 16kHz)
- Salida de audio : G.711 PCM (Velocidad en bits: 64 kbps / Frecuencia de muestreo: 8 kHz)

• Audio Full dúplex

- **Entrada de Audio** : Seleccionable (micrófono/entrada de línea), tensión admitida: 2.5 V CC (4 mA), impedancia de entrada: 2K Ohm

- **Salida de audio** : Salida de línea (conector mono de 3,5 mm), salida máxima: 1 Vrms

- **Impedancia de salida de línea** : 600Ω

Cables de la cámara

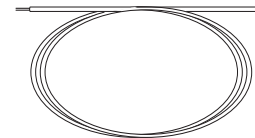
Conexión de señal de control

- Comunicaciones RS-485



Cable de comunicaciones

Para que la cámara comunique con el controlador, se necesita una línea de comunicaciones RS-485.



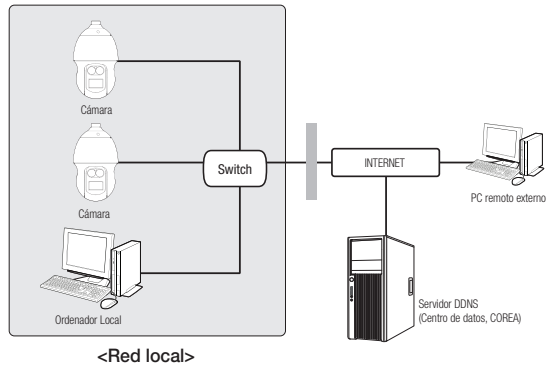
- ! ■ Para la conexión, se recomienda un cable con una longitud máxima de 30m.
- El cable de comunicaciones no se incluye con la cámara.

Puede fijar la configuración de red de acuerdo con sus configuraciones de red.

CONECTAR LA CÁMARA DIRECTAMENTE A LA RED DE ÁREA LOCAL

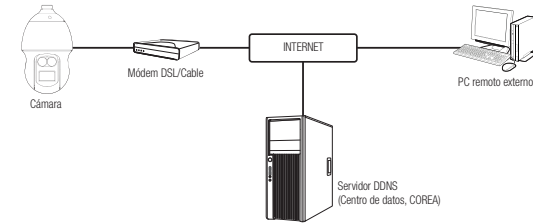
Conectar con la cámara desde un ordenador local en la LAN

1. Abrir un navegador de Internet en su ordenador local.
2. Introduzca la dirección IP de la cámara en la barra de direcciones del navegador.



- Un ordenador remoto con una Internet externa fuera de la red LAN podría no poder conectarse a la cámara instalada en la intranet, en caso de que el reenvío de puertos no esté correctamente configurado o se haya instalado un cortafuegos. En este caso, para solucionar el problema, póngase en contacto con su administrador de red.
- En el Device Manager, puede utilizar la contraseña inicial, "4321", para configurar la dirección IP, la máscara de subred, la puerta de enlace, el puerto HTTP, el puerto VNP y el tipo de IP. Después de cambiar la interfaz de red, para mayor seguridad, acceda al visor web y cambie la contraseña.
- Como valor predeterminado de fábrica, la dirección IP se asignará automáticamente desde el servidor DHCP. Si no hay ningún servidor DHCP disponible, la dirección IP se definirá en 192.168.1.100. Para cambiar la dirección IP, utilice el Device Manager. Para obtener más información sobre el uso del Device Manager, consulte "Cómo usar el Device Manager". (página 18)

CONEXIÓN DIRECTA DE LA CÁMARA A UN MÓDEM DSL/CABLE BASADO EN DHCP



1. Conectar el PC del usuario directamente a la cámara de red.
2. Ejecute el Device Manager y cambie la dirección IP de la cámara de tal manera que pueda usar el navegador web en su ordenador de sobremesa para conectarse a Internet.
3. Utilice el navegador de Internet para conectar a Web Viewer.
4. Vaya a la página [Config.].
5. Vaya a [Red] – [DDNS] y configure los ajustes de DDNS.
6. Vaya a [Basic] – [IP & Puerto] y establezca el tipo de IP para [DHCP].
7. Conecte la cámara, retirada del PC, directamente en el módem.
8. Reinicie la cámara.

- Para obtener información sobre cómo configurar el DDNS, consulte la ayuda en línea de Web Viewer.
- Para obtener información sobre cómo configurar el formato de IP, consulte la ayuda en línea de Web Viewer.

CÓMO USAR EL DEVICE MANAGER

- Puede descargar el programa del Device Manager desde el menú <Technical Guides> – <Online Tool> en el sitio web de Hanwha Techwin (<http://www.hanwha-security.com>).
- Asimismo, puede encontrar más instrucciones sobre el Device Manager en el menú <Ayuda> de la página principal.

BÚSQUEDA AUTOMÁTICA DE LA CÁMARA

Si hay una cámara conectada a la misma red del ordenador en donde está instalado el Device Manager, puede encontrar esa cámara de la red usando la función de buscar.

1. Haga clic en <Buscar> en la página principal del Device Manager.
2. Marque la cámara de la lista.
 - Compruebe la dirección MAC en el adhesivo de la cámara.

CÓMO CONFIGURAR LA DIRECCIÓN IP

Si desea cambiar el ajuste de la red de la cámara, el signo <Inicio de sesión Aceptar> debe aparecer en el campo <Estado>. Haga clic en el campo <Autenticación> de la página principal para iniciar sesión.

Configuración de la IP estática

Inserte y configure manualmente la dirección IP y la información del puerto.

1. Haga clic en la cámara de la lista para la que desea cambiar el ajuste de la IP.
2. Haga clic en <IP Assign (Asignación de la IP)> en la página principal del Device Manager.
3. Seleccione <Asignar la siguiente dirección IP>.
 - La información IP de la cámara de mostrará según se ha configurado previamente.
4. Complete las categorías relacionadas con el campo IP & Puerto.

Si no se utiliza un Enrutador de banda ancha

Pida al administrador de la red que establezca el valor de la <Dirección IP>, la <Máscara subred> y la <Gateway(Puerta de enlace)>.

- HTTP Puerto : se utiliza para acceder a la cámara utilizando el explorador de Internet, por defecto en 80.
- VNP Puerto : se utiliza para controlar la transferencia de señales de vídeo, por defecto en 4520.
- RTSP Puerto : este puerto controla la transmisión de datos en tiempo real. Su valor inicial es 554.

Si se utiliza un Enrutador de banda ancha

- IP Address : introduzca una dirección que se encuentre en el rango de IP facilitado por el enrutador de banda ancha. ej.) 192.168.1.2~254, 192.168.0.2~254, 192.168.XXX.2~254
- Subnet Mask : La <Subnet Mask> del enrutador de banda ancha será la <Subnet Mask> de la cámara.
- Gateway : La <Local IP Address> del enrutador de banda ancha será la <Gateway> de la cámara.

- Es posible que los ajustes difieran dependiendo del modelo de enrutador de banda ancha conectado. Para obtener información adicional, consulte el manual de usuario del enrutador aplicable.
- Para obtener información adicional sobre el reenvío de puertos del enrutador de banda ancha, consulte "Configuración de Reenvío del Rango de Puertos (Asignación de Puertos)". (Página 20)

Si el Enrutador de banda ancha tiene más de una cámara conectada

Configure los ajustes relacionados con IP y los ajustes relacionados con Port de forma distinta entre sí. ej.)

	Categoría	Cámara 1	Cámara 2
Ajustes relacionados con IP	Dirección IP	192.168.1.100	192.168.1.101
	Máscara subred	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
Ajustes relacionados con el puerto	HTTP Puerto	8080	8081
	VNP Puerto	4520	4521
	RTSP Puerto	554	555

- Si <HTTP Puerto> se define con un valor distinto a 80, debe facilitar el número de <Port> en la barra de direcciones del explorador de Internet antes de poder acceder a la cámara. ej.) <http://Dirección IP : HTTP Port>
<http://192.168.1.100:8080>

5. Haga clic en el botón [Aplicar].

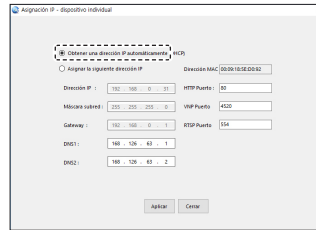
6. Si aparece el mensaje de que la acción se ha realizado correctamente, haga clic en [Aceptar].

Configuración de la IP dinámica

Reciba la dirección IP desde DHCP

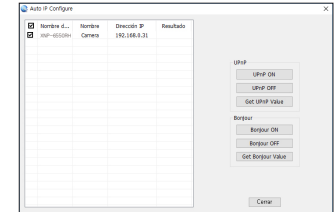
- Ejemplo de entorno de IP dinámica
 - Si a un enrutador de banda ancha, con cámaras conectadas, se le asigna una dirección IP mediante el servidor DHCP
 - Si se conecta la cámara directamente al módem utilizando los protocolos DHCP
 - Si las IP se asignan mediante el servidor DHCP interno a través de la LAN

1. Haga clic en la cámara de la lista para la que quiera cambiar la configuración de la IP.
2. Haga clic en **<IP Assign (Asignación de la IP)>** en la página principal del Device Manager.
3. Seleccione **<Obtener una dirección IP automáticamente (DHCP)>**.
4. Haga clic en botón **[Aplicar]**.
5. Si se muestra el mensaje de acción realizada correctamente, haga clic en **[Aceptar]**.



CONFIGURACIÓN AUTOMÁTICA DE LA IP

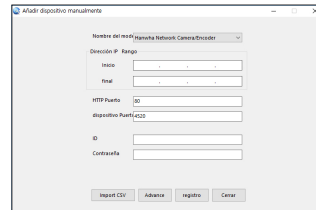
1. Haga clic en la cámara de la lista para la que quiera configurar automáticamente la IP.
2. En la página principal del Device Manager, haga clic en **< + >**.
 - Aparecerá el menú de configuración del equipo.
3. En el menú, haga clic en **<Auto IP Configure (Configuración IP automática)>**.
4. Haga clic en el botón **[Cerrar]**.



CÓMO REGISTRAR LA CÁMARA MANUALMENTE

Si la cámara no puede encontrarse usando la función de buscar, puede registrarla remotamente insertando manualmente la información de la IP si la cámara está conectada a la red externa.

1. Haga clic en **<Add Devices (Agregar dispositivos)>** – **<Añadir dispositivo manualmente>** de la página principal del Device Manager.
2. Inserte el intervalo de la dirección IP que está buscando.
3. Seleccione el **<Nombre del modelo>** de la cámara que ha registrado e inserte el puerto HTTP, el puerto VNP, la ID y la contraseña.
4. Haga clic en el botón **[Registro]**.
5. Compruebe que la cámara esté registrada.
 - Verifique la dirección MAC en el adhesivo de la cámara.



CONFIGURACIÓN DE REENVÍO DEL RANGO DE PUERTOS (ASIGNACIÓN DE PUERTOS)

Si ha instalado un enrutador de banda ancha con una cámara conectada, debe definir el reenvío del rango de puertos en el enrutador de banda ancha de forma que un PC remoto pueda acceder a la cámara en él.

Reenvío manual del rango de puertos

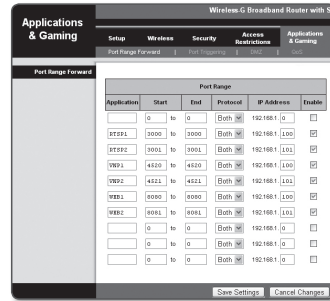
1. En el menú de configuración del enrutador de banda ancha, seleccione **<Applications & Gaming>** - **<Port Range Forward>**.

Para definir el reenvío del rango de puertos para un enrutador de banda ancha de terceros, consulte el manual del usuario de dicho enrutador de banda ancha.

2. Seleccione **<TCP>** y **<UDP Port>** por cada cámara conectada al enrutador de banda ancha.

El número de cada puerto que se configura para el router IP debe establecerse de acuerdo con el número de puerto designado en **<Config.>** - **<Basic>** - **<IP & Puerto>** en el visor web de la cámara.viewwer.

3. Una vez hecho, haga clic en **[Save Settings]**. Se guardarán los ajustes.

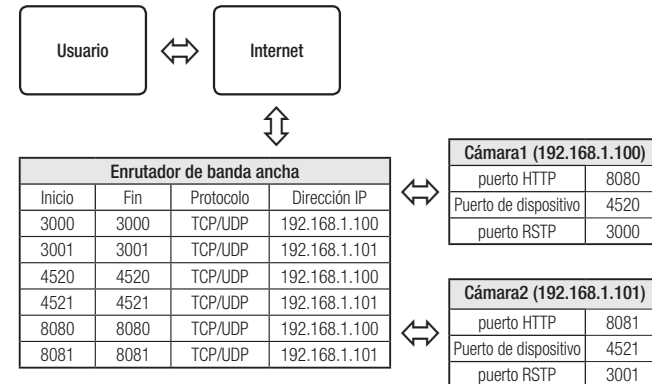


- El ajuste del reenvío del puerto es un ejemplo de configuración del router de la IP de CISCO.
- Es posible que los ajustes difieran dependiendo del modelo de enrutador de banda ancha conectado. Para obtener información adicional, consulte el manual de usuario del enrutador aplicable.

Configuración del reenvío del rango de puertos de varias cámaras de red


- Puede definir una regla de reenvío de puertos en el dispositivo enrutador de banda ancha a través de su página Web de configuración.
- Un usuario puede cambiar los puertos usando la pantalla de configuración de la cámara.

Cuando la Cámara 1 y la Cámara 2 estén conectadas a un enrutador :




- El enrutamiento de puerto se puede hacer sin una configuración adicional del router si este está adaptado para la función UPnP (Universal Plug and Play). Después de conectar la cámara de red, seleccione la casilla de verificación del menú **<Conexión rápida>** en **<Wisenet DDNS>** en **"Configuración -> Red -> DDNS"**.

CONEXIÓN A LA CÁMARA DESDE UN PC LOCAL COMPARTIDO

1. Ejecute el Device Manager.
Rastreará las cámaras conectadas y mostrará una lista de ellas.
 2. Haga doble clic en una cámara para acceder a ella.
Se inicia el explorador de Internet y se conecta a la cámara.
-  ■ También puede acceder a la cámara introduciendo la dirección IP de la cámara encontrada en la barra de direcciones del explorador de Internet.

CONEXIÓN A LA CÁMARA DESDE UN PC REMOTO A TRAVÉS DE INTERNET

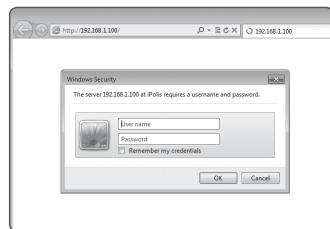
En un ordenador remoto que no esté en el clúster de la red del router de banda ancha no está permitido, por lo que los usuarios pueden acceder a las cámaras dentro de la red de un router de banda ancha mediante el uso de la URL del DDNS de la cámara.

1. Antes de poder acceder a una cámara de una red de enrutador de banda ancha, debe haber definido el reenvío del rango de puertos para el enrutador de banda ancha.
 2. Desde el PC remoto, inicie el explorador de Internet e introduzca la dirección URL de DDNS de la cámara, o la dirección IP del enrutador de banda ancha en la barra de direcciones.
ej.) <http://ddns.hanwha-security.com/ID>
-  ■ Para utilizar el DDNS de Wisenet, regístrese en la página de inicio del DDNS de Wisenet (<http://ddns.hanwha-security.com>) y registre el producto en **[Mi DDNS]>[Registrar producto]**.

CONEXIÓN A LA CÁMARA

Procedimiento normal

1. Inicie el explorador de Internet.
2. Introduzca la dirección IP de la cámara en la barra de direcciones.
 - ej.) • Dirección IP (IPv4) : 192.168.1.100 → http://192.168.1.100
 - Debe aparecer el diálogo de inicio de sesión.
 - Dirección IP (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111 → http://[2001:230:abcd:ffff:0000:0000:ffff:1111] - Debe aparecer el diálogo de inicio de sesión.



Si el número de puerto HTTP no es 80

1. Inicie el explorador de Internet.
2. Introduzca la dirección IP y el número de puerto HTTP de la cámara en la barra de direcciones.
 - ej.) Dirección IP : 192.168.1.100:HTTP Port number(8080)
 - http://192.168.1.100:8080 - Debe aparecer el diálogo de inicio de sesión.

Utilización del URL

1. Inicie el explorador de Internet.
2. Introduzca el URL de DDNS de la cámara en la barra de direcciones.
 - ej.) Dirección URL : http://ddns.hanwha-security.com/ID
 - Debe aparecer el diálogo de inicio de sesión.

 La conexión de red está desactivada en el entorno LAN.

Conexión a través de UPnP

1. Ejecute el sistema cliente o sistema operativo para el protocolo UPnP.
2. Haga clic en el nombre de la cámara para realizar la búsqueda.
 - En el sistema operativo Windows, haga clic en el nombre de la cámara de búsqueda en el menú de red.
 - Aparece la ventana de inicio de sesión.

Conexión a través de Bonjour

1. Ejecute el sistema cliente o el sistema operativo para el protocolo Bonjour.
2. Haga clic en el nombre de la cámara para realizar la búsqueda.
 - En el sistema operativo Mac, haga clic en el nombre de la cámara buscada desde la pestaña Bonjour de Safari.
 - Aparece la ventana de inicio de sesión.

Para comprobar la dirección de DDNS

Si la cámara está conectada directamente a un módem de cable basado en DHCP o a un módem DSL, la dirección IP cambiará cada vez que intente conectarse al ISP (la compañía a la que se suscribió). Si este es el caso, no se le informará de la dirección IP modificada por el DDNS.

Una vez que registre el dispositivo con IP dinámica en el servidor DDNS, puede fácilmente cambiar la IP modificada cuando intente acceder al dispositivo.

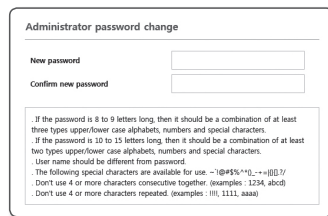
Para registrar el dispositivo en el servidor de <DDNS>, entre en <http://ddns.hanwha-security.com> y registre primero el dispositivo y, a continuación, establezca <Red> - <DDNS> de Web Viewer en <Wisenet DDNS>, y facilite el <ID de producto> utilizado durante el registro de DDNS.

CONFIGURACIÓN DE CONTRASEÑA

Al acceder al producto por primera vez, debe registrar la contraseña de inicio de sesión.

Cuando aparezca la ventana “Cambiar contraseña”, introduzca la contraseña nueva.

- Para una nueva contraseña que tenga entre 8 y 9 dígitos, debe utilizar por lo menos 3 mayúsculas/ minúsculas, 3 números y 3 caracteres especiales. Para una contraseña que tenga entre 10 y 15 dígitos, debe utilizar por lo menos 2 de los tipos mencionados.
 - Caracteres especiales que se permiten: ~!@#%&^*()_+={}|[]?/
- Para mayor seguridad, no se recomienda repetir los mismos caracteres ni entradas consecutivas de teclado en las contraseñas.
- Si ha perdido su contraseña, puede pulsar el botón [RESET] para iniciar el producto. Así pues, no pierda la contraseña utilizando un bloc de notas o memoricela.

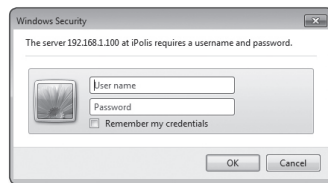


INICIO DE SESIÓN

Siempre que acceda a la cámara, aparecerá la ventana de inicio de sesión.

Introduzca el ID de usuario y la contraseña para acceder a la cámara.

1. Introduzca “admin” en el cuadro de entrada <User name>. La ID del administrador, “admin”, es fija y no es posible cambiarla.
2. Introduzca la contraseña en el campo de entrada <Password>.
3. Haga clic en [OK].
Si ha iniciado sesión correctamente, verá la pantalla de Live Viewer.



- Al acceder al visor de la cámara web, preste especial atención a la seguridad comprobando que los datos de imagen estén encriptados.
- Si marca la opción “Remember my credentials” una vez realizada la entrada, la próxima vez se iniciará sesión automáticamente sin que se le pida introducir la información de inicio de sesión.
- Podrá disfrutar de la mejor calidad de vídeo si el tamaño de pantalla es del 100%. Si se reduce la relación existe el riesgo de cortar la imagen en los bordes.

CONFIGURACIÓN DEL VISOR WEB DE LA CÁMARA

1. Haga clic en el icono [Configurar (⚙)].
2. Aparece la ventana de Ajustes.
3. Puede configurar a través de la red los ajustes de información básica de la cámara, vídeo, audio, red, evento, análisis y sistema.
4. Haga clic en <Ayuda (🔗)> para ver descripciones detalladas de cada función.

ESPECIFICACIONES

Opciones		Descripción
Video	Dispositivo de imágenes	1/2.8" 2.16M CMOS
	Píxeles totales	1945(H) X 1109(V), 2,16M píxeles
	Píxeles efectivos	1945(H) X 1097(V), 2,13M píxeles
	Sistema de barrido	Exploración progresiva
	Iluminación mín.	Color : 0,02 Lux (1/30seg, F1,6) ByN : 0,002 Lux (1/30seg, F1,6) 0 Lux (LED IR encendido)
	Índice S/N	50dB
	Salida de vídeo	CVBS : 1,0 Vp-p / 75Ω compuesto, 720x480(N), 720x576(P) Para instalación
Objetivo	Longitud focal (índice de zoom)	4.75mm ~ 261.4mm (55x)
	Coefficiente de apertura máx.	F1,6 (Angular) ~ F6,5 (Telescópico)
	Campo de visión angular	H : 58,6°(Angular) ~ 1,23°(Telescópico) / V : 34,8°(Angular) ~ 0,71°(Telescópico)
	Distancia mín. del objeto	5m
	Control de enfoque	AF / AF una vez / Manual
	Tipo de objetivo	Autom. DC
	Tipo montaje	Tipo en placa
	Velocidad de movimiento del zoom	Aproximadamente 5 s (gran angular a telefotografía)
Panorámica / Inclinación / Giro	Alcance de panorámica	360° sin final
	Velocidad de panorámica	Preaj. : 400°/seg., Manual : 0,024°/seg ~ 250°/seg
	Rango de inclinación	95°(-5° ~ 90°)
	Velocidad de inclinación	Preaj. : 250°/seg., Manual : 0,024°/seg ~ 250°/seg
	Secuencia	Preajuste (300ea), Oscilación, Grupo (6ea), Rastreo, Tour, Ejecución automática, Horario
	Precisión de pos. predet.	±0,2°
	Azimut	Sí (E/W/S/N/NE/NW/SE/SW OSD)
	Seguimiento automático	No / Sí

Opciones	Descripción
Distancia visible	500 m
Título de cámara	No / Sí (Se muestran 85 caracteres) - W/W : Inglés/Numérico/Caracteres especiales - Común: Multilínea (Máx 5), color (gris / verde / rojo / azul / negro / blanco), transparencia, escala automática por resolución
Día y noche	Autom. (ICR) / Color / ByN
Compensación de luz de fondo	No / BLC / HLC / WDR
Rango dinámico amplio	120dB
Mejora de contraste	SSDR (No / Sí)
Reducción de ruido digital	SSNR5 (Filtro de ruido 2D+3D) (No / Sí)
Estabilizador digital de imágenes	Apagado/encendido (sensor Gyro incorporado)
Desempeñado (Optical)	Autom. / Manual / No
Detección de movimiento	Sí (zonas de polígonos 8ea)
Máscara de privacidad	No / Sí (24 zonas de zonas rectangulares) - Color : Gris / Verde / Rojo / Azul / Negro / Blanco - Opción de relación de zoom para el modo de máscara - Opción de mosaico
Control de ganancia	No / Bajo / Medio / Alto
Balance de blanco	ATW / AWC / Manual / Indoor / Outdoor / Mercury / Sodio
Velocidad de obturador electrónico	Mínimo / Máximo / Anti fluctuación (2 ~ 1/12.000 seg)
Zoom digital	32x, la función zoom de área admite el zoom digital 2x
Girar imagen	Volteo / Espejo: Encendido/apagado
Análisis de vídeo inteligente	Manipulación, merodeo, detección direccional, línea virtual, entrada/salida, aparición/desaparición, detección de audio, detección facial, detección de movimiento, detección de niebla, clasificación de sonido
E/S alarma	Entrada 4ea / Salida 2ea (Tipo de transmisión)
Interfaz de control remoto	RS-485
Protocolo RS-485	Samsung-T, Pelco-D/P, Panasonic, Honeywell, AD, Vicon, GE, BOSCH
Se activa la alarma	Entrada de alarma, Detección de movimiento, Analítica de vídeo inteligente, Desconexión de red

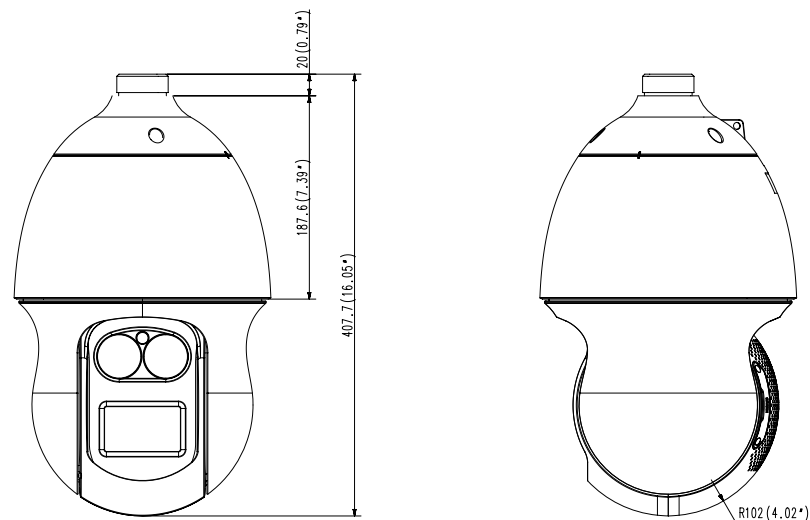
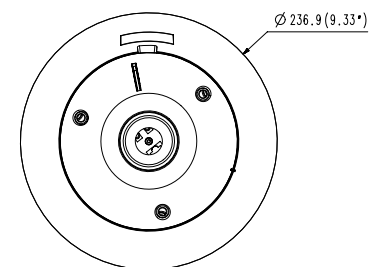
Opciones	Descripción
Funcionamiento	Evento de alarma <ul style="list-style-type: none"> • Carga de archivos a través de FTP, correo electrónico • Notificación vía correo electrónico • Grabación con almacenamiento local (SD/SDHC/SDXC) o grabación NAS en el Evento (activación de alarmas) • Salida externa • Preconfiguración PTZ
	Entrada de audio <p>Seleccionable (entrada de micrófono/entrada de línea), Tensión de alimentación: 2.5 VCC (4 mA), Impedancia de entrada: aprox. 2K ohmios</p>
	Salida de audio <p>Salida de línea (conector mini estéreo de 3.5 mm), Nivel máximo de salida: 1 Vrms</p>
	Contador de píxeles <p>Soporte</p>
Red	Ethernet <p>RJ-45 (10/100BASE-T) SFP (*sólo con SBP-303HF)</p>
	Formato de compresión de video <p>H.265/H.264 (MPEG-Parte 4 10/AVC) : Principal / Línea de base / Alto, Movimiento JPEG</p>
	Resolución <p>1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240</p>
	Velo. máx. de fotogramas <p>H.265/H.264: Máx. 60 fps en todas las resoluciones Movimiento JPEG: Máx. 30 fps en todas las resoluciones</p>
	Códec inteligente <p>Modo Manual (área con base: 5EA)</p>
	WiseStream II <p>Soporte</p>
	Ajuste de calidad de video <p>H.264/H.265/MJPEG : Control de nivel de tasa de bits</p>
	Método de control de vel. de bits <p>H.264/H.265 : CBR o VBR MJPEG : VBR</p>
	Capacidad de flujo de datos <p>Flujo de datos multiple (hasta 10 perfiles)</p>
	Formato de compresión de audio <p>G.711 μ-law / G.726 Selectable G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC : 48 kbps a 16 KHz</p>
	Comunicación de audio <p>Bidireccional</p>

Opciones	Descripción
Red	IP <p>IPv4, IPv6</p>
	Protocolo <p>TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour</p>
	Seguridad <p>Autenticación de inicio de sesión HTTPS(SSL) Autenticación de inicio de sesión Digest Filtro de dirección IP Registro de acceso de usuarios Método de autenticación 802.1x (EAP-TLS, EAP-LEAP)</p>
	Método de flujo de datos <p>Unicast / Multicast</p>
	Acceso máx. de usuarios <p>20 usuarios en modo Unicast</p>
	Almacenamiento Edge <p>2 ranuras Micro SD/SDHC/SDXC (hasta 512 GB) - Grabación continua (desde la primera ranura hasta la segunda ranura) - Se pueden descargar las imágenes en movimiento grabadas en la tarjeta de memoria Micro SD/SDHC/SDXC NAS (Almacenamiento conectado a la red) PC local para grabación instantánea</p>
	Interfaz de programación de aplicaciones <p>ONVIF Profile S/G SUNAPI 2.0(HTTP API) WiseNet Open Platform</p>
	Idioma de página web <p>Inglés, Francés, Alemán, Español, Italiano, Chino, Coreano, Ruso, Japonés, Sueco, Portugués, Checo, Polaco, Turco, Holandés, Húngaro, Griego</p>
	Visor Web <p>SO admitido : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 Navegador recomendado: Google Chrome Navegador compatible : IE11, MS Edge, Mozilla Firefox (sólo compatible con Windows 64bit), Apple Safari 10 (sólo compatible con Mac OS X)</p>
	Software de gestión central <p>SmartViewer</p>

Opciones	Descripción
Ambiental	Temperatura / Humedad de funcionamiento 24V CA : -50°C ~ +55°C (-58°F ~ +131°F) / Menos del 90% de HR HPoE : -40°C ~ +55°C (-40°F ~ +131°F) / Menos del 90% de HR * El arranque debe realizarse a más de -30°C (HPoE Mode)
	Temperatura / Humedad de almacenamiento -50°C ~ +60°C (-58°F ~ +140°F) / Menos del 90% de HR
	Protección de ingreso IP66
	A prueba de vandalismo IK10
Eléctrico	Tensión/corriente de entrada 24V CA / HPoE
	Consumo de energía 24V CA : 92W HPoE : 60W
Mecánico	Color / Material Negro (cabezal) + marfil (cuerpo)/aluminio, plástico
	Dimensiones (Ø x Al) Ø236,9 x Al407,7 mm
	Peso 7,2kg

VISTA DEL PRODUCTO

Unidad : mm (pulg.)



SOLUCIÓN DE PROBLEMAS

PROBLEMA	SOLUCIÓN
No se visualiza ningún vídeo al acceder al visor web sin plug-in en Safari a través de HTTPS.	<ul style="list-style-type: none"> En la ventana emergente de autenticación que aparece cuando se accede inicialmente a https, haga clic en "Ver certificado de autenticación" y seleccione la casilla "Confiar siempre al conectar con la IP del visor web designado". Si el visor web continúa sin mostrar un vídeo después de seleccionar "Siguiente" en la ventana de mensaje siguiente, pulse la tecla de Comando + Q para salir del navegador Safari, obtenga acceso de nuevo y siga los procedimientos indicados anteriormente.
No se puede acceder a la cámara desde un navegador web.	<ul style="list-style-type: none"> Compruebe para asegurarse de que las configuraciones de Red de la cámara son las apropiadas. Compruebe para asegurarse de que todos los cables de red se han conectado bien. Si está conectado mediante DHCP, compruebe que la cámara puede admitir direcciones IP dinámicas sin problemas. Si la cámara está conectada al Enrutador de banda ancha, compruebe que el reenvío de puertos está configurado adecuadamente.
El Visualizador se desconecta durante el control.	<ul style="list-style-type: none"> Los Visualizadores conectados se desconectan debido a cualquier cambio en las configuraciones de cámara o de red. Compruebe todas las conexiones de red.
La cámara conectada a la red no se detecta en el programa del Device Manager.	<ul style="list-style-type: none"> Apague las configuraciones de cortafuegos en su ordenador, y luego vuelva a buscar la cámara.
Se superponen imágenes.	<ul style="list-style-type: none"> Compruebe si dos o más cámaras están configuradas en una única dirección multicast en lugar de diferentes direcciones. Si se utiliza una única dirección para varias cámaras, las imágenes se pueden superponer.
No aparece imagen.	<ul style="list-style-type: none"> Si el método de transmisión está configurado como multicast, compruebe si hay un router que admita multicast en el LAN al que esté conectado la cámara. Verifique si el módulo de la lente funciona normalmente.

PROBLEMA	SOLUCIÓN
<Detección de movimiento> de <Analítica> está ajustado en <Activar>, pero no me llega una notificación por correo electrónico, ni siquiera cuando se ha producido un evento de análisis.	<ul style="list-style-type: none"> Verifique los ajustes en la secuencia siguiente: <ol style="list-style-type: none"> Compruebe los ajustes de <Fecha y hora>. <Detección de movimiento> debe definirse en <Activar>. Compruebe si la opción <E-mail> del menú <Config. de evento> está marcada para ser utilizada.
No se encuentra ninguna señal en el puerto de salida de alarma cuando se genera un evento de análisis de vídeo inteligente.	<ul style="list-style-type: none"> Compruebe los ajustes del puerto de salida de alarma.
No se puede grabar en la tarjeta de memoria Micro SD.	<ul style="list-style-type: none"> Compruebe si la tarjeta de memoria está defectuosa.
La tarjeta de memoria Micro SD está insertada pero no funciona correctamente.	<ul style="list-style-type: none"> Compruebe si la tarjeta de memoria se ha insertado en la dirección correcta. En esta cámara, no se garantiza el funcionamiento de una tarjeta de memoria formateada con otros dispositivos Formatee de nuevo la tarjeta de memoria en el menú <Config.> → <Evento> → <Almacenamiento>.
No se puede grabar en la NAS.	<ul style="list-style-type: none"> Compruebe que la información registrada en la NAS es correcta.
Se está indicando que la configuración de la NAS ha fallado.	<ul style="list-style-type: none"> Compruebe que la dirección IP de NAS sea válida. Compruebe que el ID / contraseña de NAS sea válido Compruebe que puede acceder a la carpeta designada como la carpeta básica utilizando el ID de la NAS. Asegúrese de que los elementos SMB / CIFS de NAS estén sin marcar. Compruebe que la dirección IP de NAS y la dirección IP de la cámara tengan el mismo formato. Ejemplo) el valor inicial de la NAS y de la máscara de subred de la cámara es 255.255.255.0. Si la dirección IP es 192.168.20.32 entonces la dirección IP de NAS debe estar entre 192.168.20.1 y 192.168.20.255. Verifique si ha intentado acceder como otro usuario sin formatear la carpeta básica almacenada o usada. Compruebe que utilizó las unidades NAS recomendadas.

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GPL/LGPL software license

The software included in this product contains copyrighted software that is licensed under the GPL/LGPL. You may obtain the complete Corresponding Source code from us for a period of three years after our last shipment of this product by sending email to help.cctv@hanwha.com

If you want to obtain the complete Corresponding Source code in the physical medium such as CD-ROM, the cost of physically performing source distribution might be charged.

GPL SW

Component Name	License	URL
Base Kernel	GPL 2.0	
Busybox	GPL 2.0	http://www.busybox.net/downloads/snapshots
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtid-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtid-utils
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
zeroconf	GPL 2.0	

LGPL SW

Component Name	License	URL
glibc	LGPL 2.0	
inetutils	LGPL 3.0	
neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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Version 2, June 1991

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established by T-Engine Forum
on January 23, 2004
revised on June 17, 2004
revised on December 21, 2006
revised on March 24, 2009

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1. The member shall confirm that the object hardware is the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.
2. The member shall provide T-Engine Forum with a complete set of operational environment for the object hardware and T-Kernel free of charge when requesting the distribution.
3. The member shall submit test results of the Ported Source Code to T-Engine Forum when requesting the distribution.

4. In the event that T-Engine Forum accepts the request mentioned in Article 6.2, T-Engine Forum shall register and distribute the Ported Source Code as the Source Code for T-Kernel. Provided, however, that the Ported Source Code may be treated in the same way as the Modified Source Code until the time of registration hereunder.

5. The provision set forth in Article 3 shall apply to the Ported Source Code registered in accordance with this Article.

Article 7. Use for Other Purpose

1. Any use of the Source Code, the Modified Source Code or the Ported Source Code other than those stipulated in Articles 4, 5 and 6 shall be subject to the prior approval of T-Engine Forum.

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Julian Seward, jseward@bzip.org

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Jean-loup Gailly Mark Adler

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).



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