

CÁMARA DE RED

Manual del usuario

XNV-6012/XNV-6012M/XNV-6013M
XNV-6022R/XNV-6022RM

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, trípodes 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. 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.
16. 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.
17. 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.
18. 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.
19. La instalación o uso del producto en el agua puede causar daños graves al producto.



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.

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.

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 acoplamientos de una agencia aprobada.

PRECAUCIÓN

Existe un riesgo de explosión si la batería se sustituye por otra que no sea adecuada. Tire las baterías usadas como se indica en las instrucciones.

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.

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.

En determinados entornos de instalación, pueden producirse interferencias en las comunicaciones de radio.

Cuando se producen interferencias de ondas electromagnéticas entre el producto y el dispositivo de radiocomunicación, se recomienda mantener cierta distancia entre ambos o cambiar la dirección de la antena receptora.

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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 : Windows, Mac OS X
 - **Visor web sin plug-in**
Navegadores web compatibles: Google Chrome, MS Edge, Mozilla Firefox(sólo compatible con Windows 64bit), Apple Safari (sólo compatible con Mac OS X)
 - **Visor web de plug-in**
Navegadores web compatibles: MS Explorer, Apple Safari (sólo compatible con Mac OS X)
- ※ Consulte el apéndice para obtener información detallada sobre el sistema operativo y la versión del navegador.

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.

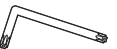
Productos recomendados	Tamaños disponibles
QNAP NAS	Accesos simultáneos para un máximo de 16 cámaras.
NAS Synology	Accesos simultáneos para un máximo de 16 cámaras.



■ El número de accesos a cámaras se reducirá si utiliza la unidad NAS para otros fines que no sean el de almacenamiento de vídeo.

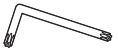
COMPONENTES (XNV-6012/6012M/6022R/6022RM)

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	Quantity	Cantidad	Nombre del modelo
	Cámara	1		XNV-6012/ XNV-6012M/ XNV-6022R/ XNV-6022RM
	Manual de consulta rápida (Opcional)	1		Use para todos los modelos
	Tarjeta de garantía (Opcional)	1		
	Llave en forma de estrella	1	Se utiliza para retirar/fijar la cubierta del domo	
	Tornillo de rosca cortante M4	2	Se usa al montar la cámara en la pared o el techo.	
	Anclaje de plástico	2	Para fijar un tornillo, insertado en un orificio (fuerza de anclaje reforzada)	
	Plantilla	1	Se usa al instalar la cámara	
	Abrazadera de montaje	1	Se usa al instalar la cámara en la pared o en una caja eléctrica (individual)	
	Tornillo M4 para el soporte de instalación	2	Se usa al fijar la cámara sobre las abrazaderas de montaje	
	Accesorio impermeable del RJ45	1	Se usa para impermeabilizar el cable conector RJ45	XNV-6012/ XNV-6022R

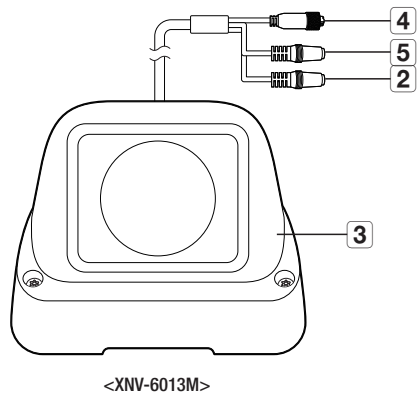
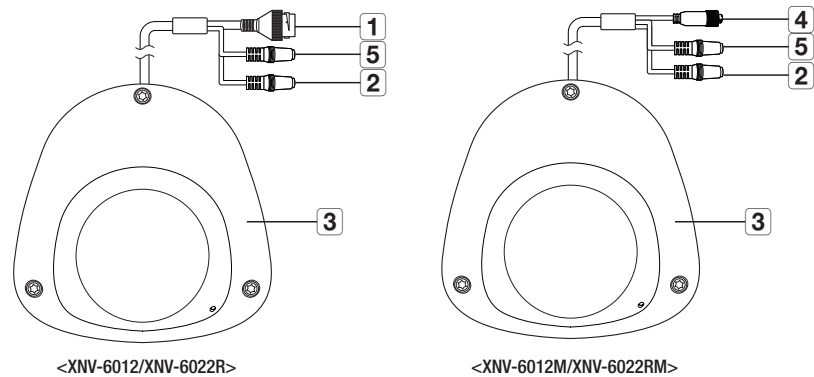
COMPONENTES (XNV-6013M)

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	Quantity	Cantidad
	Cámara	1	
	Manual de consulta rápida (Opcional)	1	
	Tarjeta de garantía (Opcional)	1	
	Llave en forma de estrella	1	Se utiliza para retirar/fijar la cubierta del domo
	Tornillo de rosca cortante M4	4	Se usa al montar la cámara en la pared o el techo.
	Tornillos de rosca	4	Tornillos utilizados para el montaje de la cámara en el soporte colgante, caja eléctrica, etc.
	Junta tórica	4	Use con un tornillo de rosca M4 (impermeable)
	Anclaje de plástico	4	Para fijar un tornillo, insertado en un orificio (fuerza de anclaje reforzada)
	Plantilla	1	Se usa al instalar la cámara

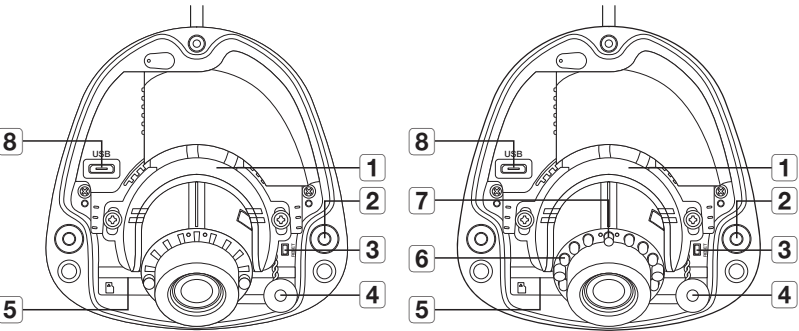
VISTA

Aspecto



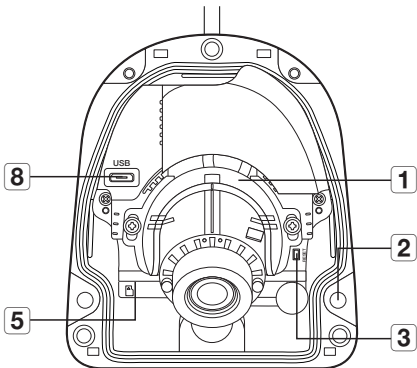
Elemento	Descripción
1 Conector PoE	Se conecta a la red y suministra alimentación a través del cable Ethernet.
2 Conector de entrada de audio	Se usa para conectarlo a un micrófono. (rosa)
3 Cubierta de Domo	Cubierta utilizada para proteger la lente y la unidad principal.
4 Cable de conector M12 hembra	Conecte al cable de conector M12 macho para las conexiones de alimentación y red.
5 Conector de salida de audio	Se usa para conectarlo a los altavoces. (verde)

Interior



<XNV-6012/XNV-6012M>

<XNV-6022R/XNV-6022RM>



<XNV-6013M>

Elemento	Descripción
1 Tapa del objetivo	Se utiliza para proteger y fijar el objetivo.
2 Orificio de fijación	Orificio para fijar la cámara a cielo raso.
3 Botón de reinicialización	Reinicia los ajustes de la cámara con los valores predeterminados. Anténgalo 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.
4 Orificio para micrófono	Se conecta un micrófono.
5 Compartimento de la tarjeta de memoria Micro SD	Compartimento de la tarjeta de memoria Micro SD.
6 LED IR	Son LED de infrarrojos que se controlan mediante un sensor de iluminación.
7 Sensor de iluminación	Detecta la luz entrante para controlar el LED de infrarrojos.
8 Puerto USB MICRO	Puerto para conectar el dongle Wi-Fi. Puede comprobar el vídeo de instalación a través de las aplicaciones instaladas en el teléfono inteligente. (para la instalación) Consulte "Conectar al dongle Wi-Fi" en la página 15. ■ Wi-Fi dongle y adaptador OTG se venden por separado.

INSTALACIÓN

Precauciones antes de la instalación

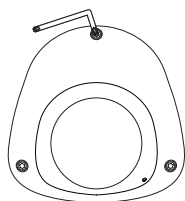
Asegúrese de leer las siguientes instrucciones antes de instalar la cámara:

- Al realizar la instalación a cielo raso, el punto elegido debe poder soportar por lo menos 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.
- Esta cámara es un producto impermeable que cumple con los estándares IP66 (XNV-6012M/6022R/6022RM) e IP67 (XNV-6013M). Sin embargo, si el conector y el cable estándar M12 no se utilizan, la parte del conector no será impermeable. Se recomienda utilizar un cable externo estándar M12 cuando instale este producto.
- Cuando instale la cámara en el exterior del vehículo, asegúrese de instalarla en una superficie plana. Si la superficie de montaje es curva, es posible que no se adhiera adecuadamente a la goma y que no se impermeabilice.

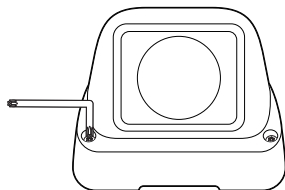
Desmontaje

Retire la cubierta del domo después de aflojar los tornillos girándolos a la izquierda con la llave en forma de estrella suministrada.

- Tenga en cuenta que no es necesario aflojar completamente el tornillo.



<XNV-6012/6012M/6022R/6022RM>



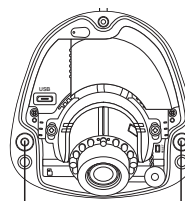
<XNV-6013M>

Cómo instalar

1. Considere la dirección que se va a supervisar, coloque la plantilla y haga agujeros siguiendo la plantilla.
2. Asegure la cámara a los orificios con los tornillos de rosca provistos.

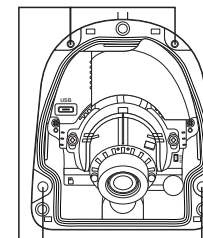


- Utilice la abrazadera de montaje incluida en la caja cuando instale el producto en la pared.



Orificio de fijación

<XNV-6012/6012M/6022R/6022RM>



Orificio de fijación

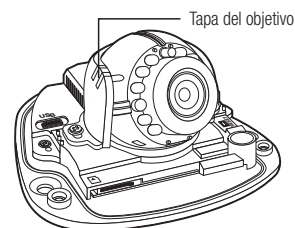
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3. Gire los tornillos situados a ambos lados de la tapa del objetivo de la cámara en sentido contrario a las agujas del reloj para aflojarlos.

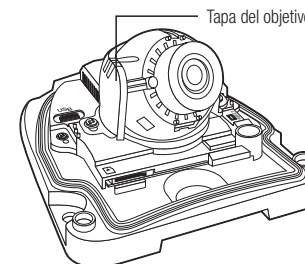


- Si fuerza al fijar las lentes (cubierta) del objetivo sin aflojar los tornillos, el producto puede verse afectado.

4. Ajuste el objetivo en la dirección que desee consultando la sección "Ajuste de la dirección de la cámara". (página 13)

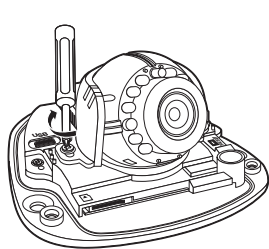


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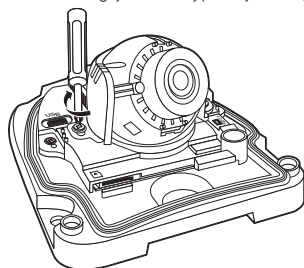


<XNV-6013M>

5. Después de ajustar el ángulo, gire los tornillos en el sentido de las agujas del reloj para fijar el ángulo de la lente.



<XNV-6012/6012M/6022R/6022RM>



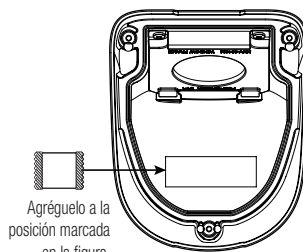
<XNV-6013M>

6. (Solo para XNV-6013M) Agrega los absorbentes de humedad (tipo de tarjeta).

El absorbente de humedad accesorio se proporciona en un paquete sellado. Puede usarse para evitar la humedad (formación de condensación) que puede ocurrir como resultado del ingreso de agua al equipo durante el procedimiento de instalación final del producto (separación de la cubierta).

- 1) Quite el embalaje del absorbente de humedad provisto como un accesorio.
- 2) Luego de quitar la cinta de protección adjunta al absorbente de humedad, agréguela al área interna de la cubierta superior, como se muestra en el gráfico.
- 3) Arme la cubierta superior con el absorbente de humedad dentro del cuerpo.

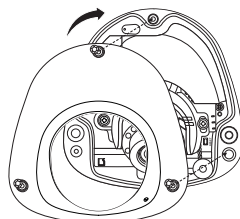
- ! ■ No lo instale en un ambiente húmedo. (Puede causar humedad en la parte superior o la formación de condensación.)
- No lo deje sin la cubierta por más de 10 minutos.
- Si se elimina el paquete del absorbente de humedad accesorio,
- no lo deje por más de cinco minutos
- no lo acerque al agua.
- El proceso completo de [Separación de cubierta → Agregar el absorbente de humedad → Cerrar cubierta] debería finalizarse en 10 minutos.



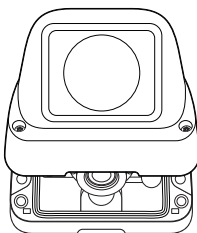
Agréguelo a la posición marcada en la figura.

7. Cubra la cubierta del domo y apriete los tornillos girándolos a la derecha con una llave en forma de estrella para asegurar la cubierta.

- ! ■ Si la cubierta no se aprieta bien, es posible que encuentre problemas con la impermeabilidad.



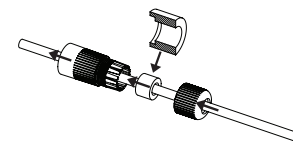
<XNV-6012/6012M/6022R/6022RM>



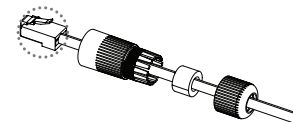
<XNV-6013M>

Cómo conectar el cable impermeable RJ45 a un cable LAN (XNV-6012/6022R)

1. Inserte el cable en la dirección de la flecha.

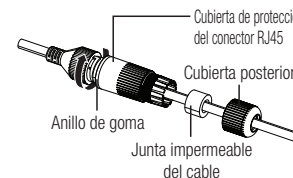
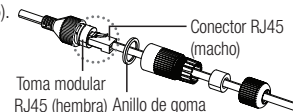


2. Conecte el conector LAN (macho) al cable.



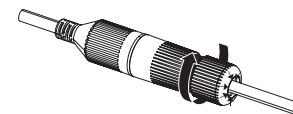
3. Conecte la toma modular RJ45 (hembra) al conector RJ45 (macho).

- ! ■ Mantenga cada una de las partes separadas.



4. Instale girando la toma modular RJ45 (hembra) y la cubierta de protección RJ45 hacia la derecha (siga la flecha).

5. Instale girando la cubierta de protección RJ45 y la cubierta posterior hacia la derecha (siga la flecha). Cuando se instala la cubierta posterior, la junta impermeable de cable se conecta firmemente al cable para hacerla impermeable.



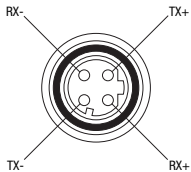
- ! ■ Debe estar totalmente instalado para girar la cubierta posterior hasta el final de la rosca de tornillo del conector RJ45.

Conexión de un cable conector (XNV-6012M/6013M/6022RM)

Introduzca el conector M12 macho en el orificio del conector M12 hembra de la cámara.

- Esta cámara emplea del tipo hembra código D.
- Compatible con PoE (alimentación sobre Ethernet).
- Se recomienda utilizar un conector de red blindado.

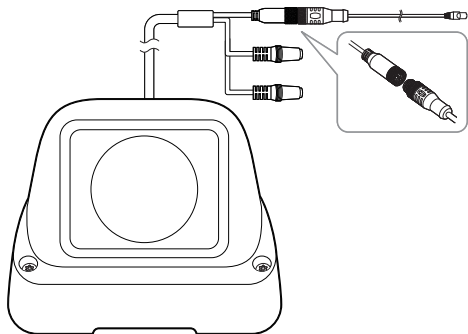
- Conecte esta cámara a un cable de red blindado (STP).
- Utilizar cables tetrapolares macho, código D de tipo externo que cumplan la condición M12.
- Compruebe si el dispositivo PoE está correctamente conectado a tierra.



Establecer conexión por medio del cable de conversión M12-RJ45 (XNV-6012M/6013M/6022RM)

Conecte el conector macho M12 para el cable de conversión a la ranura del conector hembra M12 de su cámara.

- M12-RJ45 se vende por separado.



Alimentación y conexión en red (XNV-6012/6022R)

Conecte una cámara a un equipo PoE.

- Conecte a un conector PoE (alimentación a través de Ethernet) del router compatible con PoE (alimentación a través de Ethernet).
- Use PoE (alimentación a través de Ethernet) que cumpla con los protocolos IEEE802.3af.

Alimentación y conexión en red (XNV-6012M/6013M/6022RM)

Conecte una cámara a un equipo PoE o conecte el conector M12-RJ45 para el cable de conversión de su cámara a un equipo PoE.

- El método de conexión puede variar en función del entorno de instalación del usuario.
- Conecte a un PoE de un enrutador adaptado para PoE (alimentación sobre Ethernet).
- Utilice PoE (Alimentación sobre Ethernet) conforme a los protocolos IEEE802.3af. Solo puede utilizar un dispositivo PoE tipo A que suministra energía por el par de pines de datos 1, 2, 3, 6.
- Incluso si utiliza el cable de conversión M12-RJ45, solo puede usar el equipo PoE de tipo modo A que suministra alimentación a los pines de par de datos 1, 2, 3, 6.

Características del cable de red

Elemento	Contenido	Observaciones
Conector	RJ45	
Ethernet	10/100Base-T	10/100 Mbps
Cable	UTP de categoría 5e	
Distancia máx.	100M	Resistencia de CC ≤ 0,188 Ω / m
Soporte PoE	IEEE 802.3af	

Instalación en el exterior

Cuando instale la cámara en un lugar exterior, impermeabilice la conector con cinta de goma de butilo resistente al agua (disponible en tiendas), para que el agua no entre por el espacio del cable conectado al exterior. (XNV-6012/6022R)

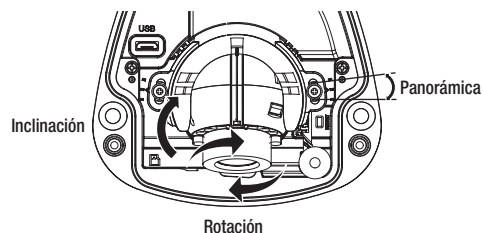
Puede filtrarse agua por la separación del cable conectado externamente si se instala en el exterior de un edificio sin usar un conector y un cable M12, de manera que se recomienda utilizar cinta impermeabilizadora tal y como se muestra más abajo. (XNV-6012M/6013M/6022RM)

1. Conecte el cable PoE.
2. Envuelva el aislante negro del cable (Área A) y la parte de conexión del cable con cinta (de goma de butilo) impermeable, de modo que más de la mitad de esta cinta quede superpuesta.



- Si el aislante del cable no se impermeabiliza correctamente, puede haber filtraciones. Asegúrese que el cable queda protegido con una densa capa de cinta.
- La cinta de butilo resistente al agua está fabricada con goma de butilo, que puede estirarse el doble de su longitud normal.

Ajuste de la dirección de la cámara (XNV-6012/6012M/6022R/6022RM)



■ Ajuste de la dirección de vigilancia

Puede ajustar la dirección de la cámara sólo cuando la cámara esté fija al techo.

Girar la unidad de la cámara a la izquierda o a la derecha se denomina Panorámica, ajustar la inclinación se denomina Inclinación y girar el objetivo sobre su eje se denomina Rotación.

- El alcance máximo es de PAN -5° a +5°.
- El ángulo de GIRAR es de -90° o +90°.
- El rango total de INCLINACIÓN es de 67°.

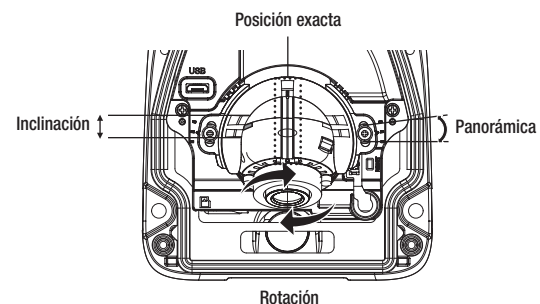


- Use of the camera at an angle that is out of the specifications may cause reflection by IR or blind image.

■ Métodos de ajuste

1. Ajuste el ángulo de giro después de instalar la cámara teniendo en cuenta la dirección que se va a supervisar.
2. Ajuste el ángulo horizontal, de modo que la imagen no quede invertida.
3. Ajuste el ángulo de inclinación de forma que la cámara apunte hacia el objeto vigilado.

Ajuste de la dirección de la cámara (XNV-6013M)



■ Ajuste de la dirección de vigilancia

Puede ajustar la dirección de la cámara sólo cuando la cámara esté fija al techo.

Girar la unidad de la cámara a la izquierda o a la derecha se denomina Panorámica, ajustar la inclinación se denomina Inclinación y girar el objetivo sobre su eje se denomina Rotación.

- El alcance máximo es de PAN -5° a +5°.
- El ángulo de GIRAR es de -90° o +90°.
- El rango máximo de inclinación es de -10° a +10°.



- Cuando se utiliza un ángulo diferente al ángulo de rotación especificado, la imagen puede estar ocluida. En particular, debe tener cuidado de no dejar que la parte marcada en la parte del lente salga del rango de la flecha al ajustar la inclinación.
- Cuando giro y volteo se usan juntos, la imagen puede estar ocluida.
- Si la vista de pasillo no está en la posición correcta (0 grados), la imagen puede estar ocluida.

■ Métodos de ajuste

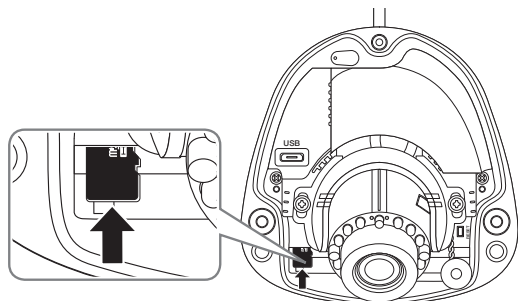
1. Establezca la marca larga en el centro de la lente en la posición exacta.
2. Ajuste el ángulo de giro después de instalar la cámara teniendo en cuenta la dirección que se va a supervisar.
3. Ajuste el ángulo horizontal, de modo que la imagen no quede invertida.
4. Ajuste el ángulo de inclinación de forma que la cámara apunte hacia el objeto vigilado.

INSERCIÓN/EXTRACCIÓN DE UNA TARJETA DE MEMORIA MICRO SD

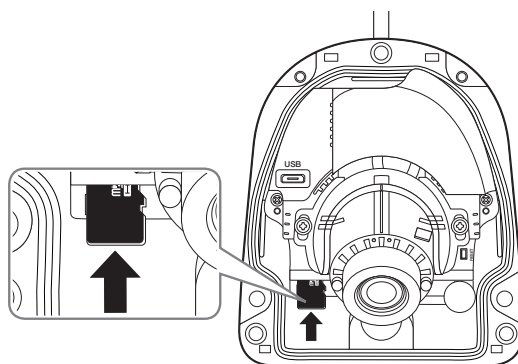
- ❗
 - Desconecte el cable de alimentación de la cámara antes de insertar la tarjeta de memoria Micro SD.
 - No inserte al revés la tarjeta de memoria Micro SD forzándola. Si lo hace, podría dañar la tarjeta de memoria Micro SD.
 - Cuando llueve o la humedad es alta, no se recomienda que inserte o expulse una tarjeta Micro SD.
 - El desmontaje de la cubierta del producto se debe efectuar en un plazo de 5 minutos, o se podría producir condensación interna.

Inserción de una tarjeta de memoria Micro SD

Introduzca la tarjeta de memoria Micro SD en la dirección de la flecha como se muestra en el diagrama.



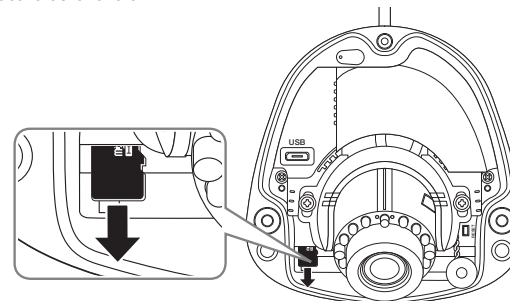
<XNV-6012/6012M/6022R/6022RM>



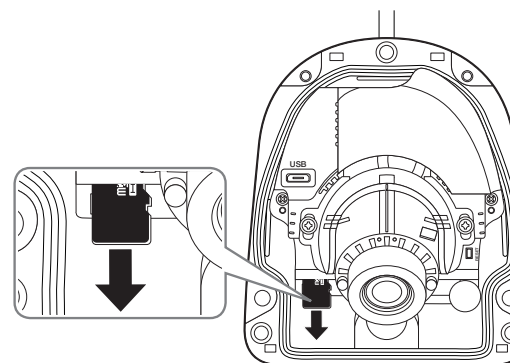
<XNV-6013M>

Extracción de una 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.



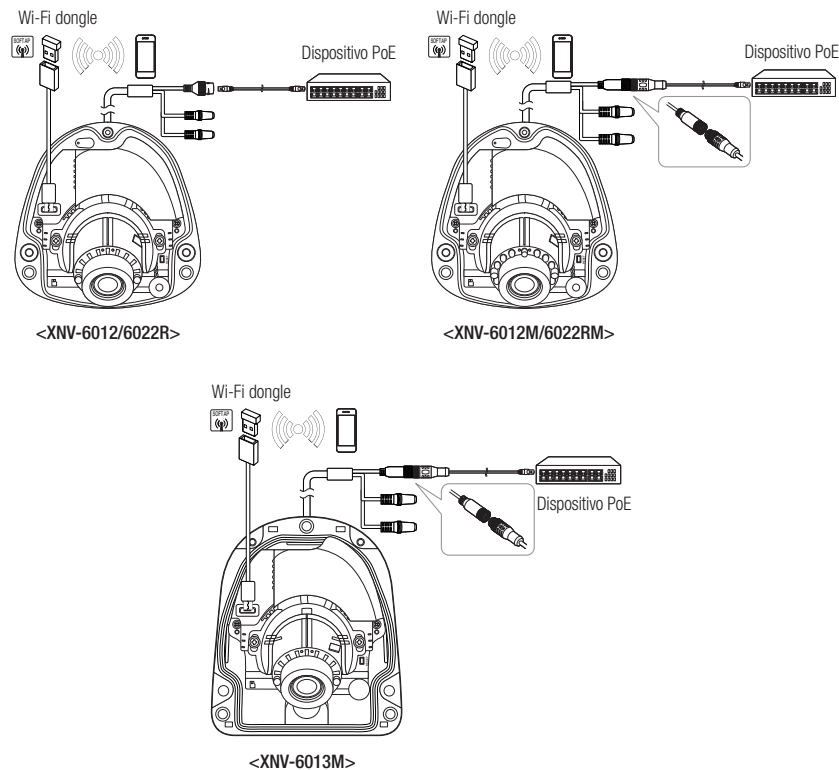
<XNV-6012/6012M/6022R/6022RM>



<XNV-6013M>

- ❗
 - Tenga cuidado, ya que la tarjeta de memoria Micro SD puede salirse cuando se expulsa si la empuja y la suelta firmemente.
 - 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.

CONEXIÓN CON OTROS DISPOSITIVOS



Conexión de Wi-Fi

Configuración de la cámara

1. Conecte el adaptador OTG (5 pines) y el dongle WiFi al terminal micro USB.

Configuración del smartphone

1. Instale la aplicación de instalación de Wisenet.
2. Seleccione el SSID de la cámara después de encender el WiFi.
3. Ejecute la aplicación de instalación de Wisenet.
4. Cuando inicie sesión en la cámara, el vídeo se conectará.
5. Puede ajustar el ángulo de visión mientras ve el vídeo a través del smartphone.

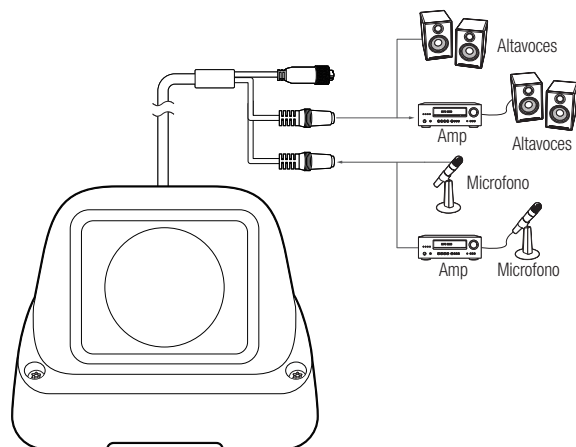
Fabricante de dongle recomendado

Fabricante	Modelo
NETIS	WF2123 n300
EDIMAX	EW-7811Un
IP Time	N100mini
TP-LINK	TL-WN823N V1
ASUS	USB-N13
NETGEAR	WNA3100M



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

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.



- Como cuenta con un micrófono integrado, puede utilizar éste en lugar de un micrófono externo. (Aplicable solo a XNV-6012/6012M/6022R/6022RM)

- En ambientes con mucho ruido ambiente, recomendamos usar un micrófono externo.

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

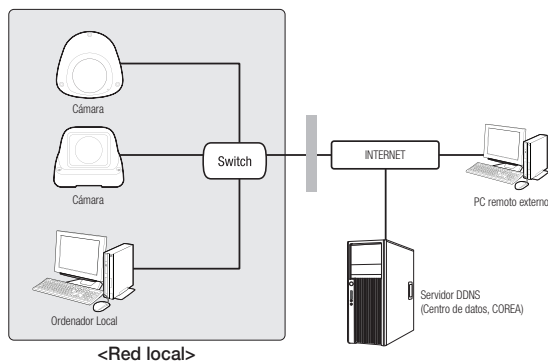
- **Entrada de Audio (XNV-6012/6012M/6022R/6022RM)** : Seleccionable (micrófono/entrada de línea/ micrófono integrado), tensión admitida: 2,5 V CC (4 mA), impedancia de entrada: 2K Ohm
- **Entrada de Audio (XNV-6013M)** : Seleccionable (micrófono/entrada de línea), tensión admitida: 2.5 V CC (4 mA), impedancia de entrada: 2K Ohm
- **Salida de audio** : Salida de línea (conector mono de 3,5 mm), salida máxima: 1 Vms
- **Impedancia de salida de línea** : 600Ω

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

CONECTAR LA CÁMARA DIRECTAMENTE A LA RED DE ÁREA LOCAL

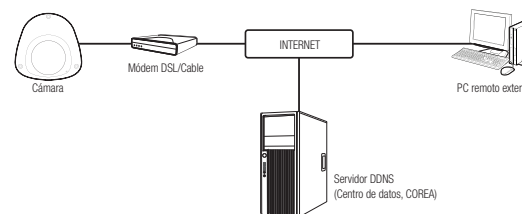
Conectar con la cámara desde un ordenador local en la LAN

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 19)

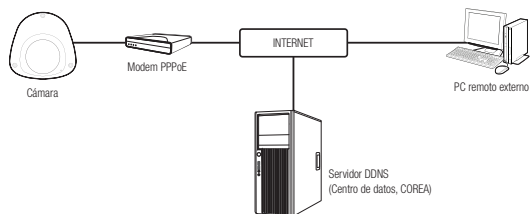
CONEXIÓN DIRECTA DE LA CÁMARA A UN MÓDEM DSL/CABLE BASADO EN DHCP



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.

CONEXIÓN DE LA CÁMARA DIRECTAMENTE AL MÓDEM PPPoE

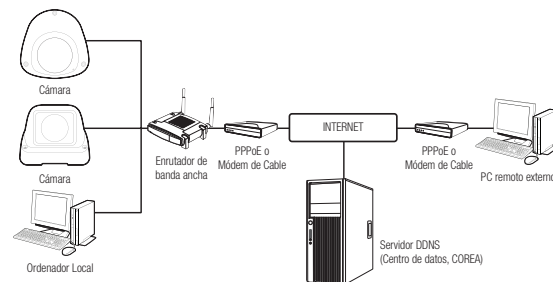


1. Conectar el PC del usuario directamente a la cámara de red.
2. Ejecute el Device Manager y cambie la dirección IP de la cámara de tal manera que pueda usar el navegador web en su ordenador de sobremesa para conectarse a Internet.
3. Utilice el navegador de Internet para conectar a Web Viewer.
4. Vaya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

CONECTAR LA CÁMARA A UN ENRUTADOR DE BANDA ANCHA CON EL MÓDEM PPPoE/CABLE

Se utiliza para un ambiente de red pequeño como hogares, oficinas pequeñas y tiendas normales.



Configurar la red del ordenador local conectado a un Enrutador de banda ancha

Configure la configuración de red del ordenador local conectado a un enrutador de banda ancha, siga las instrucciones siguientes.

- Seleccione : **<Network>** → **<Properties>** → **<Local Area Connection>** → **<General>** → **<Properties>** → **<Internet Protocol (TCP/IP)>** → **<Properties>** → **<Obtain an IP address automatically>** o **<Use the following IP address>**.
- Siga las siguientes instrucciones si selecciona **<Use the following IP address>**:
 - ej.1) Si la dirección (LAN IP) del enrutador de banda ancha es 192.168.1.1
Dirección IP : 192.168.1.100
Máscara de subred : 255.255.255.0
Puerta de enlace por defecto : 192.168.1.1
 - ej.2) Si la dirección (LAN IP) del enrutador de banda ancha es 192.168.0.1
Dirección IP : 192.168.0.100
Máscara de subred : 255.255.255.0
Puerta de enlace por defecto : 192.168.0.1
 - ej.3) Si la dirección (LAN IP) del enrutador de banda ancha es 192.168.xxx.1
Dirección IP : 192.168.xxx.100
Máscara de subred : 255.255.255.0
Puerta de enlace por defecto : 192.168.xxx.1

- Para obtener la dirección del enrutador de banda ancha, véase la documentación del producto.
- 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 21)

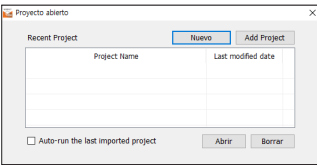
CÓMO USAR EL DEVICE MANAGER



- Puede descargar el programa del Device Manager desde el menú <Support> – <Tool> en el sitio web de Hanwha Vision (<https://www.HanwhaVision.com>).
- Asimismo, puede encontrar más instrucciones sobre el Device Manager en el menú <Ayuda> de la página principal.

CONFIGURACIÓN DE PROYECTOS

Puede guardar e importar cámaras para cada proyecto. Para crear un nuevo proyecto, establezca el nombre del proyecto y una contraseña. Debe ingresar una contraseña para ejecutar el proyecto creado.



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

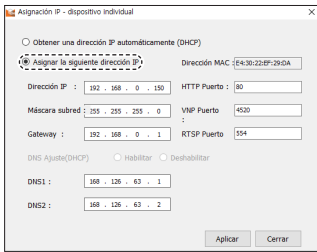
Si desea cambiar el ajuste de la red de la cámara, el signo <Login OK> debe aparecer en el campo <Estado>. Haga clic en el campo <Credencial> de la página principal para iniciar sesión.

Configuración de la IP estática

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

Al configurar una cámara

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> 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.



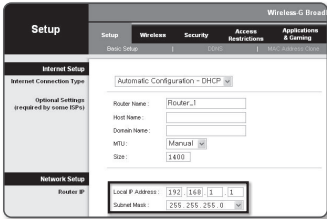
Si no se utiliza un Enrutador de banda ancha

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.
- 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 21)

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
	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 [OK].

Al configurar varias cámaras

Modelo	Dirección MAC	IP (Nuevo)	Subred (Nuevo)	Gateway (Nuevo)	DNS1 (Nuevo)	DNS2 (Nuevo)	HTTP	RTSP	Resultado
QHF-C00...	E4:30:22:EF:29:D4	192.168.0.150					80	4530	554
WV-A90...	E4:30:22:EE:EC:69	192.168.0.149					80	4530	554

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>** en la página principal del Device Manager.
3. Seleccione **<Asignar la siguiente dirección IP>**.
4. Introduzca la dirección inicial del rango de direcciones IP que asignará.
5. Haga clic en el botón **[Simular]** para verificar la dirección IP que asignará a cada equipo.
 - Puede editar cada dirección haciendo doble clic en el elemento de dirección IP.
6. Haga clic en el botón **[Aplicar]** para iniciar la asignación de IP.
7. Compruebe el elemento **<Resultado>** para verificar el éxito de la asignación de la IP.

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

Al configurar una cámara

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>** 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]**.

Modelo	Dirección MAC	IP (Nuevo)	Subred (Nuevo)	Gateway (Nuevo)	DNS1 (Nuevo)	DNS2 (Nuevo)	HTTP	RTSP	Resultado
QHF-C00...	E4:30:22:EF:29:D4	192.168.0.150					80	4530	554
WV-A90...	E4:30:22:EE:EC:69	192.168.0.149					80	4530	554

Al configurar varias cámaras

Modelo	Dirección MAC	IP (Nuevo)	Subred (Nuevo)	Gateway (Nuevo)	DNS1 (Nuevo)	DNS2 (Nuevo)	HTTP	RTSP	Resultado
QHF-C00...	E4:30:22:EF:29:D4	192.168.0.150					80	4530	554
WV-A90...	E4:30:22:EE:EC:69	192.168.0.149					80	4530	554

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>** en la página principal del Device Manager.
3. Seleccione **<Obtener una dirección IP automáticamente (DHCP)>**.
4. Haga clic en el botón **[Aplicar]** para iniciar la asignación de IP.
5. Compruebe el elemento **<Resultado>** para verificar el éxito de la asignación de la IP.

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>** – **<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 HTTPS, 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 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>**.
4. Para utilizar los protocolos **<UPnP>** o **<Bonjour>**, seleccione **<Habilitar>** y haga clic en el botón **[Aplicar]**.

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

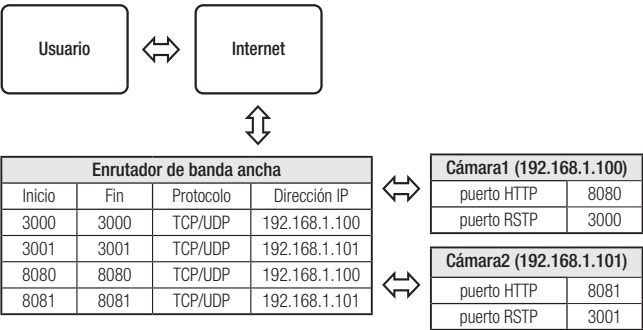
1. En el menú de configuración del enrutador de banda ancha, seleccione **<Applications & Gaming>** - **<Port Range Forward>**.
Para definir el reenvío del rango de puertos para un enrutador de banda ancha de terceros, consulte el manual del usuario de dicho enrutador de banda ancha.
2. Seleccione **<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.viewer.
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 <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. Seleccione el proyecto deseado y haga clic en el botón [Abrir].
3. Al ingresar la contraseña se mostrará la lista de cámaras del proyecto.
4. 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.

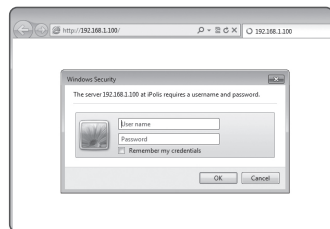
1. Antes de poder acceder a una cámara de una red de enrutador de banda ancha, debe haber definido el reenvío del rango de puertos para el enrutador de banda ancha.
2. Desde el PC remoto, inicie el explorador de Internet e introduzca la dirección URL de DDNS de la cámara, o la dirección IP del enrutador de banda ancha en la barra de direcciones.
ej.) <http://ddns.hanwha-security.com/ID>

- Para utilizar DDNS, regístrese en la página de inicio de DDNS (<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 utilizar los protocolos UPnP o Bonjour, consulte "Configuración automática de la IP".

Para comprobar la dirección de DDNS

Si la cámara está conectada directamente al módem de cable DHCP, al módem DSL o al módem PPPoE, la dirección IP de la red cambiará cada vez que intente conectar al servidor del proveedor de servicios de Internet.

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 <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.

- 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>**. Introduzca la contraseña en el campo de entrada **<Password>**.

2. 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.

ESPECIFICACIONES DE COMPATIBILIDAD DEL PLUG-IN PARA CADA NAVEGADOR

El visor web de plug-in existente y un nuevo visor web sin plug-in están integrados de forma conjunta. Esto le permite usar el visor web en los entornos de navegador más recientes que no admiten plug-ins, como Chrome, EDGE y Firefox (solo Windows 64 bits). Para los navegadores que permiten la instalación de complementos, como IE y Safari, se recomienda instalar el plug-in.

Según el entorno del navegador, pueden observarse las siguientes diferencias.

- **Navegadores Chrome, FireFox(sólo compatible con Windows 64bit), EDGE** : A pesar de que no son compatibles con los plug-ins, pueden utilizar un visor web ya que está integrado un visor web sin plug-in.

- Como el visor web sin plug-in tiene un rendimiento más bajo que el visor web de plug-in, tiene un límite en el monitoreo de los perfiles de alta calidad y la reproducción de vídeos guardados. Para monitorear los perfiles de alta calidad y reproducir vídeos guardados, utilice un visor web de plug-in o SmartViewer.
 - Condiciones de creación de visor web sin plug-in: El perfil seleccionado supera MJPEG Full HD 10fps H.264 (Chrome: resolución de pantalla completa soportada / Edge, Firefox, Safari : Full HD 30 fps o superior) H.265 FullHD 10fps 2Mbps o superior
 - Condiciones de reproducción sin plug-in: MJPEG/H.264 resolución de pantalla completa, H.265 HD o inferior
- La función de complemento ha sido optimizada para el navegador Chrome.
- Admite el streaming adaptativo
 - Esta es la característica baja automáticamente el perfil si hay un retraso de más de 5 segundos. Se realizó para evitar problemas como el aumento de la latencia y la ausencia de respuesta del navegador al reproducir el vídeo en un sistema con especificaciones de hardware inferiores a las recomendadas. El perfil de vídeo se reduce en la siguiente secuencia: 1920X1080(20fps) -> 1280X720(20fps) -> 640X480(20fps).

- **Navegador IE, Safari** : Puede utilizar un visor web, incluso si no instala el visor web de plug-in existente.

- Para supervisar/reproducir vídeos guardados sin problemas, es necesario instalar un plug-in.

INSTALACIÓN DEL PLUGIN WebViewer

Para acceder al visor web de plug-in y reproducir un vídeo en vivo (H.264/H.265) o un vídeo grabado, aparecerá un mensaje de instalación. En ese momento deberá instalar el plug-in de visor web para utilizar la función correctamente.

1. Cuando se accede por primera vez a la página de monitorización, se muestra la página de instalación. Haga clic **[Plugin]** en iniciar instalación.



- Si el estado de la descarga del archivo plug-in de instalación se suspende en el 99% en el navegador Internet Explorer, vuelva a intentarlo tras seleccionar "Release SmartScreen filter" en "Tool → SmartScreen filter".

2. Haga clic **[Run]** en la ventana de mensaje.
3. Haga clic **[Yes]** cuando aparezca una ventana que notifica que se cerrarán todas las ventanas del navegador.



- Los pasos 4 y 5 se omitirán si el Plug-in Web Viewer está instalado.

4. Cuando está instalada la antigua versión del Web Viewer Plug-in, se muestra una ventana de aviso que la versión antigua se borrará la pantalla. Haga clic **[Yes]** cuando la ventana de aviso aparece en la pantalla.
5. Haga clic en **[OK]**. La versión anterior del Plug-in Web Viewer se elimina.
6. Haga clic en **[Install]** para iniciar la instalación del Plug-in Web Viewer.
7. Haga clic en **[Finish]**. La instalación del Plug-in Web Viewer se ha completado.

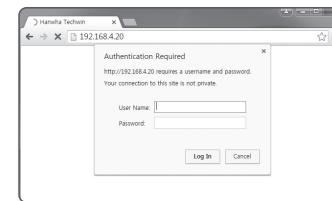


- En el explorador de Internet, si necesita pasar a la pantalla de instalación después de instalar el plugin de visor web, compruebe si `webviewer_activeplugin_lib.control` en el menú "Herramientas → Gestión de función adicional" está "Activado". Si no, y si hay un problema que persiste, a continuación, seleccione "Herramientas → Opciones de Internet → General" y borre todos los registros de búsqueda. Si el problema persiste, registre la IP o el dominio de su cámara en "Herramientas → Opciones de Internet → Seguridad → Sitios de confianza".

USO DEL VISOR WEB SIN PLUG-IN

Aunque no es posible instalar plug-ins por separado, si accede a la cámara desde los navegadores Google Chrome, Mozilla Firefox o MS Edge, puede ver y controlar el vídeo de la cámara sin instalar complementos.

1. Escriba su nombre de usuario y contraseña para iniciar sesión.
2. Cuando haya iniciado sesión en el sistema, aparecerá una pantalla de visualización en vivo de la cámara.



Para configurar la cámara

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

SOLUCIÓN DE PROBLEMAS

PROBLEMA	SOLUCIÓN
Quando un usuario de Windows 10 accede al visor web a través de Chrome o Firefox, el volumen de sonido del micrófono cambia periódicamente.	Esto es lo que sucede cuando el controlador del micrófono se ha configurado en el controlador Realtek. Instale el dispositivo de audio de alta definición (controlador predeterminado de Windows) o el controlador de terceros como el controlador de micrófono.
No se visualiza ningún vídeo al acceder al visor web sin plug-in en Safari a través de HTTPS.	- 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.	- 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.	- Los Visualizadores conectados se desconectan debido a cualquier cambio en las configuraciones de cámara o de red. - Compruebe todas las conexiones de red. - Si la cámara está conectada por una red PPPoE, es posible que el Visualizador se desconecte con condiciones de red pobres.
La cámara conectada a la red no se detecta en el programa del Device Manager.	Apague las configuraciones de cortafuegos en su ordenador, y luego vuelva a buscar la cámara.
Se superponen imágenes.	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.	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.
La voz no se graba aunque se configuren los ajustes de entrada de audio.	Seleccione la casilla <Entrada de audio> en <Basic> - <Perfil de vídeo>.

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.	- Verifique los ajustes en la secuencia siguiente: - 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 puede grabar en la tarjeta de memoria Micro SD.	Compruebe si la tarjeta de memoria está defectuosa.
La tarjeta de memoria Micro SD está insertada pero no funciona correctamente.	- 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.	Compruebe que la información registrada en la NAS es correcta.
Se está indicando que la configuración de la NAS ha fallado.	- 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.

OPEN SOURCE ANNOUNCEMENT

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	
mtdev-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdev-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	
zerocool	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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 2. to develop and manufacture the Embedded Product containing the Binary Code, and, whether with or without payment, provide the End User with the same and make the Binary Code available to the End User on the Embedded Product.
5. The Source Code User and the System Developer shall be obligated to give a notice that the Source Code is used, in such a way as separately specified by T-Engine Forum, when they use the Source Code or the Binary Code, or make the Binary Code available for the End User on the Embedded Product.

Article 5. Distribution of Modified Source Code

1. Any of A- members of T-Engine Forum may become the Distributor of Modification by obtaining the approval of T-Engine Forum through the registration procedure as prescribed by the Forum provided that only the department of the A- member which has taken the registration procedure may distribute the Modified Source Code in such a way as provided for in this Article as long as it holds the Amembership.
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Article 6. Distribution and Registration of the Ported Source Code

1. The Source Code User and the System Developer may, whether with or without charge, distribute to any third party only the following parts of the Ported

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1. The Hardware-dependent Part and/or Compiler-dependent Part; provided that the Source Code User and the System Developer shall inform T-Engine Forum of, and T-Engine Forum may publish, a method for distributing said Part(s) to third parties.
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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.

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Julian Seward, jseward@bzip.org

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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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