

CODIFICADOR DE VÍDEO DE RED DE 4/16 CANALES

Manual del usuario

SPE-420
SPE-1620

Codificador de vídeo de red de 4/16 canales

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 periodos 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 está destinado a ser alimentado por una Unidad de Suministro de Energía catalogada marcada como "Clase 2" o "LPS" y con una clasificación de 12V CC, min. 0,8 A o PoE (37 V ~ 57 V), min. 0,28 A. (SPE-420)
16. Si usa una fuerza excesiva al instalar el producto, el codificador puede dañarse y funcionar incorrectamente. Si instala de forma forzada el producto utilizando herramientas no compatibles, es posible que el producto sufra 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.



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.

El terminal de salida HDMI del producto se proporciona para una instalación más sencilla y no se recomienda para fines de monitorización.

Utilice la potencia de entrada con solo un codificador y no deben estar 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.
- Utilice guantes de protección cuando instale o extraiga el codificador.
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.

ANTES DE COMENZAR

Este manual proporciona la información operativa necesaria para utilizar el producto y contiene una descripción sobre cada una de los componentes y su función, así como el menú y los ajustes de red.

Ha de tener en cuenta las siguientes advertencias:

- Hanwha Vision posee los derechos de autor sobre este manual.
- Este manual no se puede copiar sin el consentimiento previo por escrito de Hanwha Vision.
- Reclinamos cualquier responsabilidad sobre cualquier pérdida que sufra el aparato debido a que ha sido utilizado de manera incorrecta o que ha incumplido las instrucciones incluidas en este manual.
- Si desea abrir la carcasa de su sistema para comprobar si hay errores, póngase en contacto con el experto de la tienda en la que compró el producto.

Advertencia

Pilas

Colocar una pila incorrecta en el aparato puede provocar una explosión. Por lo tanto, debe utilizar el mismo tipo de pila que la que está ya en el aparato.

A continuación se encuentran las especificaciones de la pila que está utilizando en este momento.

- Voltaje normal: 3 V
- Capacidad normal: 220 mAh
- Corriente de descarga: 0.2 mA
- Temperatura de funcionamiento : -20°C ~ 60°C

Temperatura de funcionamiento

TEl intervalo de temperatura en el que este producto funciona correctamente es de

SPE-1620 : -10°C ~ 45°C(-10°C ~ 40°C, Cuando instale el estante)

SPE-420 : -10°C ~ 50°C.

Es posible que este producto funcione correctamente si lo pone en funcionamiento después de haber estado guardado durante mucho tiempo en un lugar cuya temperatura es inferior a la de los intervalos recomendados.

Cuando utilice el aparato después de un largo periodo de tiempo en el que ha estado sometido a bajas temperaturas, coloque el aparato a temperatura ambiente durante un tiempo y enciéndalo.

Precauciones de seguridad

La 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 la información personal y para evitar los daños de un posible robo de información.

Por favor, tenga en cuenta que el usuario es responsable de la seguridad y de otros problemas derivados de la mala administración de la contraseña.

ÍNDICE GENERAL

DESCRIPCIÓN 3	3	Instrucciones de Seguridad Importantes
	5	Antes de Comenzar
	7	Características del Producto
	7	Características Recomendadas del Ordenador
	8	Descripción General
	9	Nombres de Componentes y Funciones (Parte Frontal)
	10	Nombres de Componentes y Funciones (Parte Posterior)
INSTALACIÓN Y CONEXIÓN 11	11	Comprobación del Entorno de Instalación
	11	Instalación en Bastidor
	12	Conexión con otros Dispositivos
CONEXIÓN Y CONFIGURACIÓN DE LA RED 16	16	Conexión del producto directamente a la red de área local
	16	Conexión del codificador directamente a un módem dsl/cable basado en dhcp
	17	Cómo usar el Device Manager
	17	Búsqueda automática del producto
	17	Cómo configurar la dirección IP
	18	Registro manual del producto
	18	Configuración automática de la IP
	19	Configuración de Reenvío del Rango de Puertos (Asignación de Puertos)
	20	Conexión al producto desde un PC local compartida
	20	Conexión al codificador desde un pc remoto a través de internet

WEB VIEWER 21	21	Conexión al codificador
	22	Utilización de la Pantalla en Directo
	22	Configuración de contraseña
	22	Inicio de Sesión
PANTALLA DE CONFIGURACIÓN 25	25	Configuración
	25	Configuración básica
	29	Configuración PTZ
	30	Configuración de Audio y Video
	31	Configuración Red
	35	Configuración de Eventos
	38	Configurar los ajustes de análisis
	39	Configuración del Sistema
APÉNDICE 41	41	Guía de configuración del tipo de dispositivo
	41	Solución de Problemas
	42	Open Source Announcement

CARACTERÍSTICAS DEL PRODUCTO

Este producto puede mostrar vídeos de diferentes resoluciones y niveles de calidad a diferentes códecs al mismo tiempo, y proporciona un entorno que se puede monitorear desde un PC remoto a través de una red.

- Proporciona un cómodo visor
- Terminales de entrada de vídeo para 4/16 canales
- Admite varias resoluciones a través de la red

SPE-420

- NTSC : 2560x1440, 1920x1080, 1280x720, 928x480, 704x480, 928x240, 704x240, 640x368, 352x240
- PAL : 2560x1440, 1920x1080, 1280x720, 928x576, 704x576, 928x288, 704x288, 640x368, 352x288

SPE-1620

- NTSC : 2560x1440, 1920x1080, 1280x720, 928x480, 704x480, 928x240, 704x240, 640x360, 352x240
- PAL : 2560x1440, 1920x1080, 1280x720, 928x576, 704x576, 928x288, 704x288, 640x360, 352x288

- Interfaz de alarma
- Función de supervisión remota por Network Viewer, Smart Viewer y Mobile Viewer
- Compatible con los protocolos coaxial y RS-485
- Detección de manipulación
- Compatibilidad con ONVIF



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
Navegadores web compatibles: Google Chrome, MS Edge, MS IE, Firefox (sólo compatible con Windows 64bit), Apple Safari (sólo compatible con Mac OS X)

Consulte el apéndice para obtener información detallada sobre sistemas operativos y navegadores verificados. Algunas funciones pueden estar restringidas incluso en navegadores compatibles.

DESCRIPCIÓN GENERAL

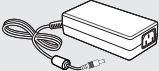
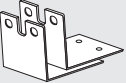
Desembale el producto y colóquelo sobre una superficie plana o en el lugar en el que se va a instalar. Compruebe que además de la unidad principal se incluyan los elementos siguientes.

- La apariencia de los componentes puede diferir de la imagen mostrada.
- La categoría y la cantidad de accesorios pueden variar según la zona de venta.

SPE-420

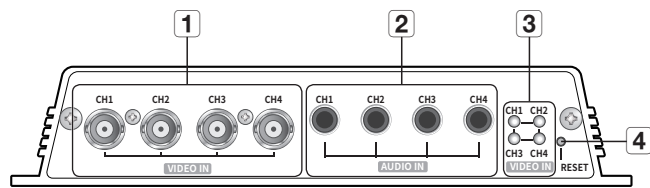
		
Codificador de vídeo de red	Bloque de terminal de alimentación	Manual del usuario o Manual rápido
		
Tornillo autorroscante	Bloque de terminales (15 pines)	

SPE-1620

		
Codificador de vídeo de red	Adaptador de corriente	Cable de alimentación
		
Manual del usuario o Manual rápido	Tornillo de fijación de abrazadera	Bastidor de soporte

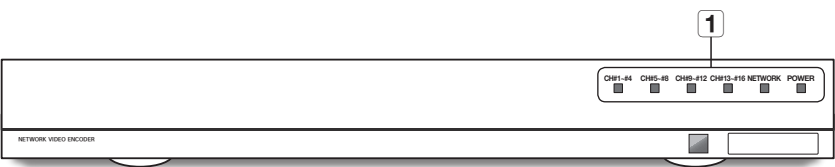
NOMBRES DE COMPONENTES Y FUNCIONES (PARTE FRONTAL)

SPE-420



Nombres de componentes	Funciones
1 Entrada de video	Este es el terminal de entrada de señal de vídeo (tipo BNC).
2 Entrada de audio	Este es el terminal de entrada de señal de audio (toma RCA) y el conector de cable de extensión de audio opcional.
3 Indicador de estado de la entrada de video	Indicador de estado de la entrada de vídeo Muestra el estado de operación de cada canal de entrada de vídeo.
4 Botón de reinicialización	El botón restaura todos los ajustes del producto a los valores predeterminados de fábrica. Manténgalo pulsado durante unos 5 segundos para reiniciar el sistema. ❗ Si reinicia el producto, la configuración de red se ajustará para que se pueda activar la función 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.

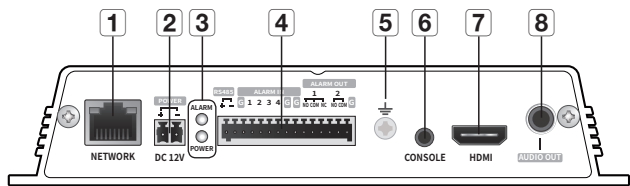
SPE-1620



Nombres de componentes	Funciones
1 Indicador LED	CH#1~#4 : Canales de entrada de vídeo La luz se apaga solo cuando las cuatro señales de vídeo no están conectadas.
	CH#5~#8 : Canales de entrada de vídeo La luz se apaga solo cuando las cuatro señales de vídeo no están conectadas
	CH#9~#12 : Canales de entrada de vídeo La luz se apaga solo cuando las cuatro señales de vídeo no están conectadas
	CH#13~#16 : Canales de entrada de vídeo La luz se apaga solo cuando las cuatro señales de vídeo no están conectadas
	NETWORK : Muestra el estado de la conexión de red y el estado de transmisión de datos.
	POWER : Muestra el estado de encendido / apagado.

NOMBRES DE COMPONENTES Y FUNCIONES (PARTE POSTERIOR)

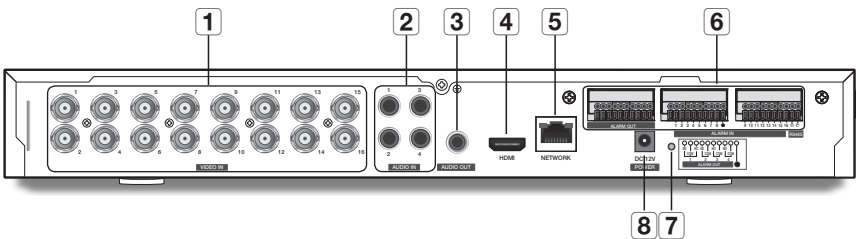
SPE-420



Nombres de componentes	Funciones
1 Conexión de red	Este es un terminal que se conecta a la red a través de un cable PoE o Ethernet.
2 DC 12V	Este es un terminal de conexión de alimentación del codificador de video de red.
3 Indicador LED	ALARM : Se ilumina cuando ocurre un evento. POWER : Muestra el estado de encendido / apagado.
4 Terminal de E/S * La compatibilidad NVR está en preparación.	RS485: Utilizado para comunicación RS-485. ALARM IN: Terminal de entrada de alarma (1 - 4 canales). ALARM OUT: Terminal de salida de alarma (1 - 2 canales).
5 Conexión a tierra	Un terminal para conectar un cable de tierra separado. ■ Asegúrese de añadir un cable de tierra con el fin de utilizar el equipo de forma segura
6 CONSOLE	Este es el terminal de conexión de la consola.
7 Salida de video HDMI	Este es el terminal que se utiliza para verificar el video de prueba. Puede verificar el video de prueba conectándose a la pantalla portátil usando el cable HDMI. ■ Puede ver el video en 4 pantallas divididas. Solo el video FHD es compatible.
8 Salida de audio	Este es el terminal de salida de señal de video (toma RCA).

■ [CONSOLE] se ha diseñado sólo para servicios de reparación.

SPE-1620



Nombres de componentes	Funciones
1 Entrada de video	Este es el terminal de entrada de señal de video (tipo BNC).
2 Entrada de audio	Este es el terminal de entrada de señal de audio (toma RCA) y el conector de cable de extensión de audio opcional.
3 Salida de audio	Este es el terminal de salida de señal de video (toma RCA).
4 Salida de video HDMI	Este es el terminal que se utiliza para verificar el video de prueba. Puede verificar el video de prueba conectándose a la pantalla portátil usando el cable HDMI. ■ Puede ver el video en 16 pantallas divididas. Solo el video FHD es compatible.
5 Conexión de red	Este es el terminal de conexión de red.
6 Terminal de E/S * La compatibilidad NVR está en preparación.	RS485: Utilizado para comunicación RS-485. ALARM IN: Terminal de entrada de alarma (1 - 16 canales). ALARM OUT: Terminal de salida de alarma (1 - 4 canales).
7 Botón de reinicialización	El botón restaura todos los ajustes del producto a los valores predeterminados de fábrica. Manténgalo pulsado durante unos 5 segundos para reiniciar el sistema. ■ Si reinicia el producto, la configuración de red se ajustará para que se pueda activar la función 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.
8 Entrada de alimentación	Este es el terminal de entrada de alimentación.

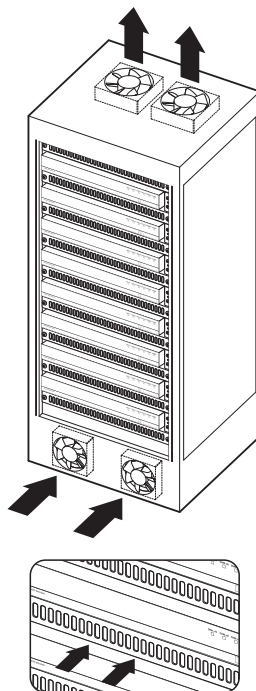
Antes de utilizar el producto tenga en cuenta la siguiente información.

- No utilice el producto en exteriores.
- No derrame agua ni líquidos en la parte de las conexiones del aparato.
- No someta al sistema a fuerza excesiva ni a impactos.
- No tire del cable de alimentación con energía.
- No desmonte el aparato por sí mismo.
- No sobrepase la tensión nominal de entrada ni de salida.
- Utilice únicamente un cable de alimentación certificado.
- Para el producto con toma de tierra de entrada, utilice un enchufe con toma de tierra.

COMPROBACIÓN DEL ENTORNO DE INSTALACIÓN

Al montar el SPE-1620 en un estante, cumpla con las siguientes instrucciones.

1. Asegúrese de que el interior del bastidor no esté sellado.
2. Asegúrese de que el aire circule por la entrada y salida como se muestra en la imagen.
3. Si apila los productos u otros dispositivos de montaje en bastidor como se muestra en la figura 1, asegure la ventilación en la sala o instale un sistema de ventilación.
4. Para la convección natural del aire, coloque la entrada en la parte inferior del bastidor y la salida en la parte superior.
5. Se recomienda encarecidamente instalar un motor con ventilador en la entrada y en la salida para facilitar la circulación del aire. (Coloque un filtro en la entrada para filtrar el polvo o sustancias extrañas.)
6. Mantenga la temperatura dentro del bastidor o en las áreas circundantes entre -10°C y 40°C (14°F y 104°F) como se muestra en la figura.

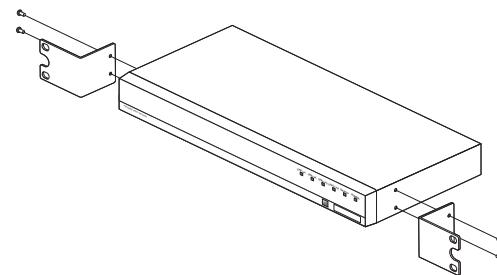


[Figura 1]

INSTALACIÓN EN BASTIDOR

Instale el soporte-bastidor como se muestra en la figura y, a continuación, apriete los tornillos en ambos lados (2 tornillos en cada lado).

- Fije los tornillos para que no se aflojen por causa de las vibraciones.

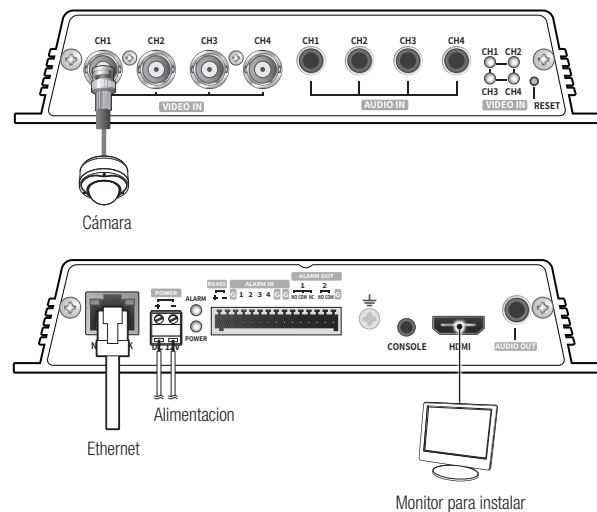


CONEXIÓN CON OTROS DISPOSITIVOS

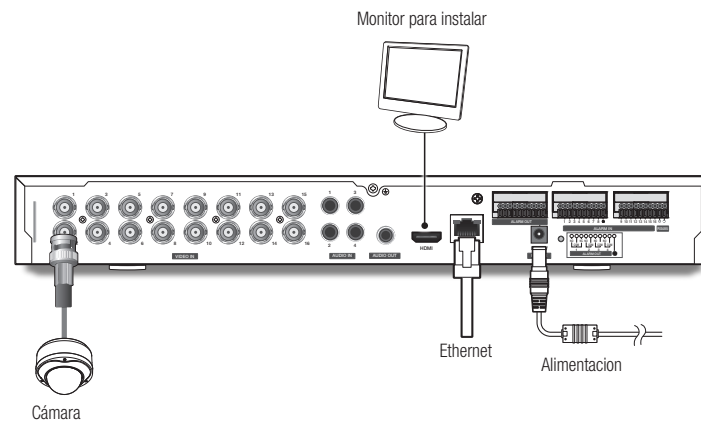
Conexión de la cámara

Conecte el puerto **[VIDEO IN]** del codificador de vídeo de red al puerto de salida de vídeo de la cámara.

SPE-420



SPE-1620



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

Conexión Ethernet

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

Alimentación eléctrica

Utilice el destornillador para conectar cada línea (+, -) del cable de alimentación al puerto de alimentación correspondiente del codificador.

- 
- Cuando está conectado a PoE y CC 12V de manera simultánea, el dispositivo usa la alimentación externa (CC 12V) (SPE-420).
 - También puede utilizar un enrutador que incorpore PoE para suministrar energía a la codificador.
 - Utilice PoE que sea compatible con los protocolos IEEE802.3af.
 - Se recomienda utilizar una única fuente para alimentar el equipo, PoE o CC 12V.
 - Tenga cuidado de no invertir la polaridad al conectar el cable de alimentación.
 - Si desea conectar un dispositivo externo, debe apagar el dispositivo externo antes de continuar.
 - Conecte primero el conjunto y la línea de alimentación del adaptador y, a continuación, conecte el cable de alimentación a la toma de la pared.

Características del cable de alimentación para cada modelo

Cuando la entrada es CC 12V:

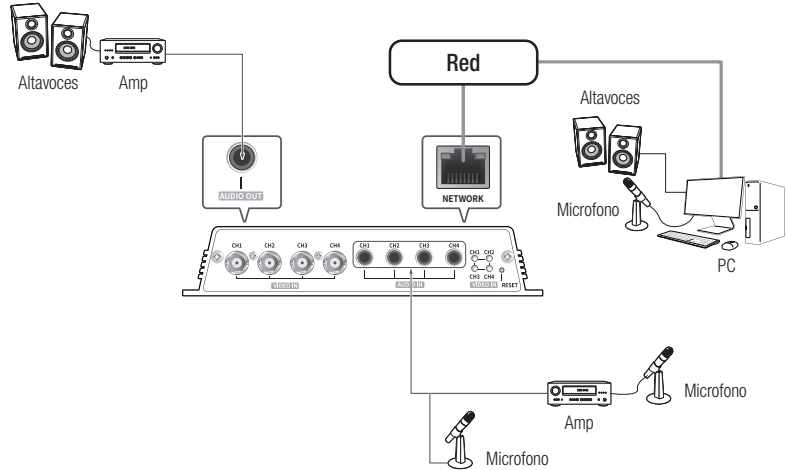
Tipo de cable (AWG)	#22	#20	#18
Longitud del cable (Max.)	24m	38m	60m

Características del cable de red

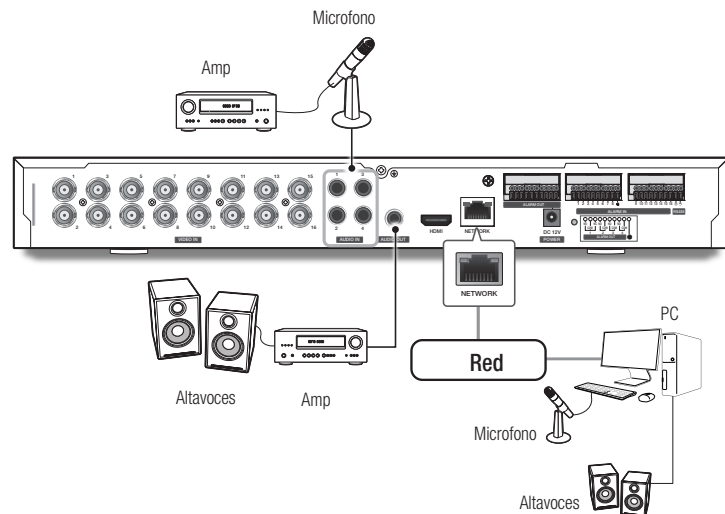
Elemento	Contenido	Observaciones
Conector	RJ45 (10/100/1000BASE-T)	
Ethernet	10/100/1000Base-T	Para operar con 1000BASE-T, se debe utilizar un cable de UTP-6 o superior para el hub Giga.
Cable	Categoría 6	
Distancia máx.	100M	Resistencia CC ≤ 0,188 Ω/m
Soporte PoE	IEEE 802.3af	SPE-420

Conectar la Entrada/Salida de Audio

SPE-420



SPE-1620



1. Conecte el puerto de ENTRADA DE AUDIO del codificador con el micrófono o el puerto de SALIDA DE LÍNEA del amplificador al que está conectado el micrófono.
2. Conecte el puerto de SALIDA DE AUDIO del codificador con el altavoz o el puerto de ENTRADA DE LÍNEA del amplificador al que está conectado el altavoz.
3. Compruebe las especificaciones de entrada de audio.

■ La entrada de audio puede ser por Canal1 o por Canal4, mientras que la salida de audio solo puede ser por Canal1.

• Códec de Audio

- Entrada de audio : G.711 PCM (Velocidad en bits: 64 kbps / Frecuencia de muestreo: 8 kHz)
- Salida de audio : G.711 PCM (Velocidad en bits: 64 kbps / Frecuencia de muestreo: 8 kHz)

• Audio Full dúplex

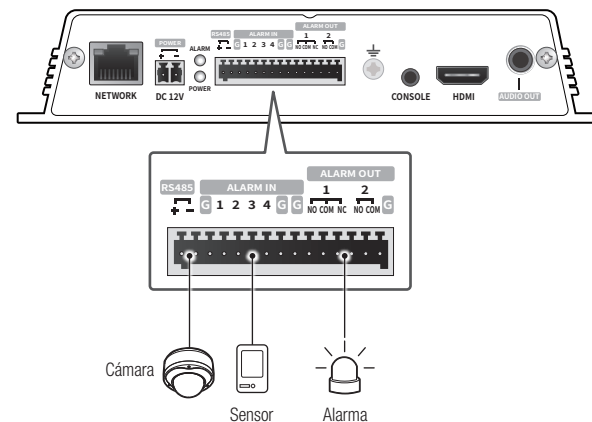
- **Entrada de Audio** : Entrada de línea con señal mono (Máx. 1,0 Vpp)
- **Salida de audio** : Salida de línea con señal mono (Máx. 1,0 Vpp)
- **Impedancia de salida de línea** : 600Ω

Conexión al cuadro del puerto de E/S

Conecte la señal de E/S de alarma al puerto correspondiente del cuadro de puertos trasero.

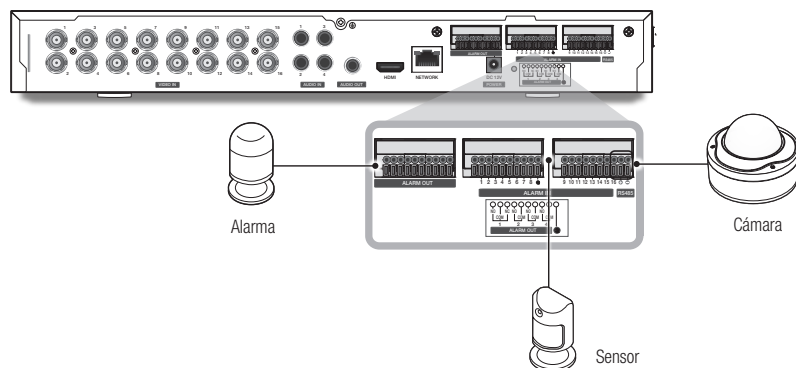
- Nos estamos preparando para proporcionar las funciones de entrada y salida de alarma conectando el codificador al NVR. (Puede verificarlo en la página de inicio)

SPE-420



Los puertos de entrada y salida de alarma se configuran como se muestra a continuación.

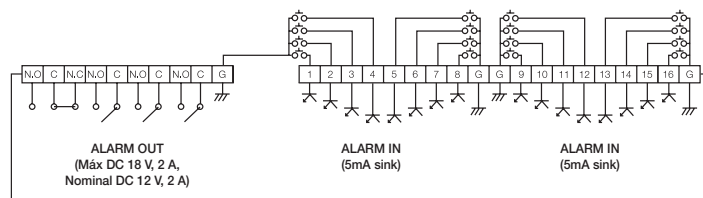
- G : Terminal para alarma de tierra
- ALARM OUT 1 : NO (Normal abierto), COM (Común), NC (Normal cerrado)
- ALARM OUT 2 : NO (Normal abierto), COM (Común)
- ALARM IN 1 - 4 : Terminales de entrada de alarma



Los puertos de entrada y salida de alarma se configuran como se muestra a continuación.

- G : Terminal para alarma de tierra
- ALARM OUT 1 : NO (Normal abierto), COM (Común), NC (Normal cerrado)
- ALARM OUT 2 ~ 4 : NO (Normal abierto), COM (Común)
- ALARM IN 1 ~ 16 : Terminales de entrada de alarma

! ■ No conecte la señal de tierra del codificador a la potencia de la Alarma (CC-).



Conexión a la entrada de alarma

Conecte un cable de señal (uno de 2) del sensor aplicable al puerto [ALARM IN], y el otro al puerto [G].

Conexión de salida de alarma

Conecte un cable de señal (uno de 2) del dispositivo externo correspondiente a [ALARM OUT], y el otro al puerto [COM].

✍ ■ Debe usar los puertos de E/S de alarma RS-485 específicos para cada canal.

Conexión al dispositivo RS-485

Conecte el dispositivo externo a los puertos [RS-485 +, -].
Puede conectar y controlar la cámara PTZ que admite la comunicación RS-485.

- ✍ ■ Puede conectar y controlar la cámara PTZ que admite la comunicación RS-485.
- Puede controlarlos conectando la función AUX que admite la comunicación RS-485.
- Primero verifique si el dispositivo RS-485 es compatible con el producto.
- Preste atención para no cambiar la polaridad (+/-) del dispositivo RS-485 al conectarlo.
- Para obtener más información, consulte la documentación de la cámara respectiva.

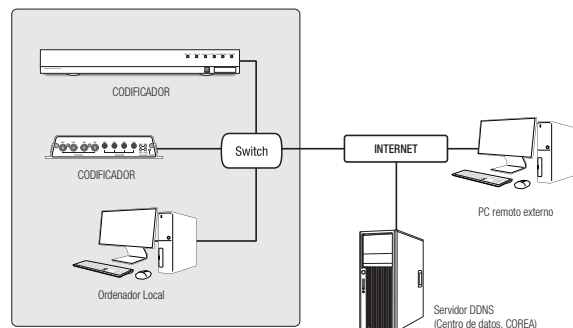
conexión y configuración de la red

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

CONEXIÓN DEL PRODUCTO DIRECTAMENTE A LA RED DE ÁREA LOCAL

Conexión al producto desde un PC local en la LAN

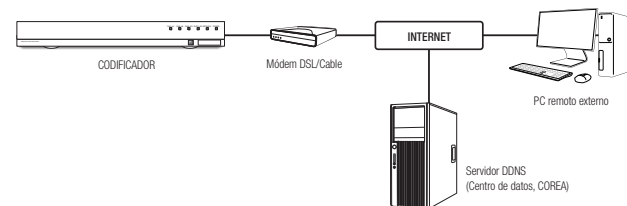
1. Abrir un navegador de Internet en su ordenador local.
2. Escriba la dirección IP del codificador en la barra de direcciones del navegador.



<Red local>

- Es posible que un PC remoto en Internet externo fuera de la red LAN no pueda conectarse al codificador instalado en la intranet si el reenvío de puertos no está configurado correctamente o si está configurado un firewall. En este caso, para solucionar el problema, póngase en contacto con su administrador de red.
- 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 17)

CONEXIÓN DEL CODIFICADOR DIRECTAMENTE A UN MÓDEM DSL/ CABLE BASADO EN DHCP



1. Conecte el PC del usuario directamente con el codificador de red.
2. Ejecute el Device Manager y cambie la dirección IP del codificador para que pueda usar el navegador web de su equipo 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 el codificador, que se retiró de su PC, directamente al módem.
8. Reinicie el codificador.

- Para configurar los ajustes de DDNS, consulte "DDNS". (página 31)
- Para registrar los ajustes de DDNS, consulte "Registro con DDNS". (página 31)
- Consulte "IP & Puerto" para obtener información sobre cómo configurar la IP. (página 28)

CÓMO USAR EL DEVICE MANAGER



- Puede descargar el programa del Device Manager desde el menú <Support> – <Online 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.

BÚSQUEDA AUTOMÁTICA DEL PRODUCTO

Si un producto está conectada a la misma red del PC en el que está instalado el Device Manager, podrá encontrar el producto en la red usando la función de búsqueda.

1. Haga clic en <Buscar> en la página principal del Device Manager.
2. Compruebe el producto de la lista.
 - Compruebe la dirección MAC en la etiqueta pegada al producto.

CÓMO CONFIGURAR LA DIRECCIÓN IP

Si desea cambiar la configuración de red del producto, el signo <Login OK> debe mostrarse en <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 el producto que desee de la lista para 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 <Asignar la siguiente dirección IP>.
 - La información de la IP del producto se mostrará tal como 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)>.

- Puerto HTTP : Se utiliza para acceder al producto usando el navegador de Internet, con un valor predeterminado de 80.
- Puerto RTSP : 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 <Máscara de subred> del enrutador de banda ancha será la <Máscara de subred> del producto.
- Gateway : La <Dirección IP local> del enrutador de banda ancha será la <Puerta de enlace> del producto.



- 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 19)

Si el enrutador de banda ancha tiene más de un producto conectado

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

	Categoría	Producto#1	Producto#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 el <Puerto HTTP> está configurado en un valor distinto de 80, debe indicar el número <Puerto> en la barra de direcciones del navegador de Internet antes de poder acceder al producto. ej.) <http://Dirección IP : HTTP Port>
<http://192.168.1.100:8080>

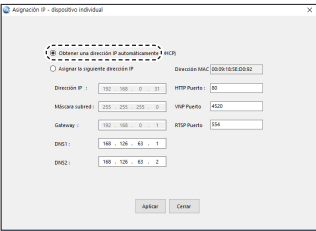
5. Haga clic en el botón [Aplicar].
6. Si aparece el mensaje de que la acción se ha realizado correctamente, haga clic en [Aceptar].

Configuración de la IP dinámica

Reciba la dirección IP desde DHCP

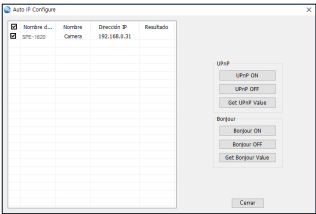
- Ejemplo de entorno de IP dinámica
 - Si a un enrutador de banda ancha, con los productos conectados, le es asignada una dirección IP por el servidor DHCP
 - Si se conecta el producto directamente al módem usando los protocolos DHCP
 - Si las IP se asignan mediante el servidor DHCP interno a través de la LAN

1. Haga clic en el producto que desee de la lista para 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

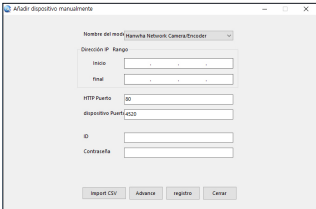
1. Haga clic en el producto que desee de la lista para configurar automáticamente la IP.
2. En la página principal del Device Manager, haga clic en < + >.
 - Aparecerá el menú de configuración del equipo.
3. En el menú, haga clic en <Auto IP Configure (Configuración IP automática)>.
4. Haga clic en el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



REGISTRO MANUAL DEL PRODUCTO

Si no puede encontrar el producto usando la función de búsqueda, podrá registrarlo de forma remota insertando manualmente la información de la IP, si el producto está conectado a una 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 <Model Name (Nombre del modelo)> del producto que está registrando, e inserte el puerto HTTP, el ID y la contraseña.
4. Haga clic en el botón [Registro].
5. Compruebe si el producto está registrado.
 - Compruebe la dirección MAC en la etiqueta pegada al producto.

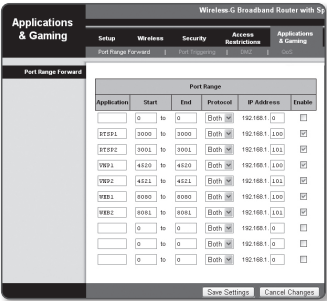


CONFIGURACIÓN DE REENVÍO DEL RANGO DE PUERTOS (ASIGNACIÓN DE PUERTOS)

Si ha instalado un enrutador de banda ancha con un producto conectado, deberá configurar el redireccionamiento del rango de puertos en el enrutador de banda ancha de tal manera que el PC remoto pueda acceder al producto.

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>** para cada producto conectado al enrutador de banda ancha.
El número de cada puerto que se va a configurar en el enrutador IP debe definirse de acuerdo con el número de puerto designado en **<Setup>** - **<Basic>** - **<IP & Port>** en el visor web del producto.
- 3. Una vez hecho, haga clic en **[Save Settings]**.
Se guardarán los ajustes.

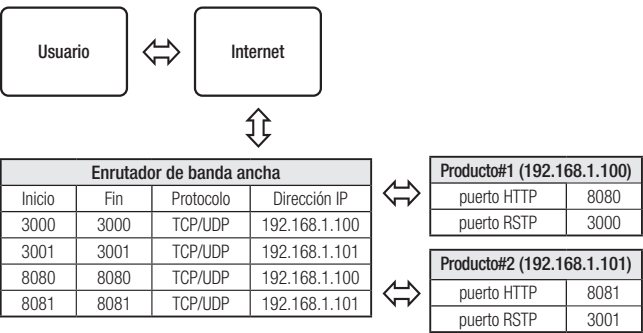


- El ajuste del reenvío del puerto es un ejemplo de configuración del router de la IP de CISCO.
- Es posible que los ajustes difieran dependiendo del modelo de enrutador de banda ancha conectado.
Para obtener información adicional, consulte el manual de usuario del enrutador aplicable.

Configuración de redireccionamiento del rango de puertos para varios productos de la red

- Puede definir una regla de reenvío de puertos en el dispositivo enrutador de banda ancha a través de su página Web de configuración.
- El usuario puede cambiar cada puerto utilizando la pantalla de configuración del producto.

Cuando el Producto#1 y el Producto#2 están conectados a un enrutador :



CONEXIÓN AL PRODUCTO DESDE UN PC LOCAL COMPARTIDA

1. Ejecute el Device Manager.
Escaneará los productos conectados y los mostrará en una lista.
2. Haga doble clic en un producto para acceder.
El navegador de Internet se inicia y se conecta con el producto.



- También se puede acceder al producto escribiendo la dirección IP del producto en la barra de direcciones del navegador de Internet.

CONEXIÓN AL CODIFICADOR DESDE UN PC REMOTO A TRAVÉS DE INTERNET

Como no se permite el uso del Device Manager en un equipo remoto que no está en el clúster de la red del router de banda ancha, los usuarios pueden acceder a los codificadores dentro de la red de un router de banda ancha utilizando la URL DDNS del codificador.

1. Before you can access an encoder in the Broadband Router network, you should have set the port range forward for the Broadband Router.
2. Desde el PC remoto, inicie el navegador de Internet y escriba la dirección URL DDNS del codificador o la dirección IP del router de banda ancha en la barra de direcciones.
ej.) <http://ddns.hanwha-security.com/ID>

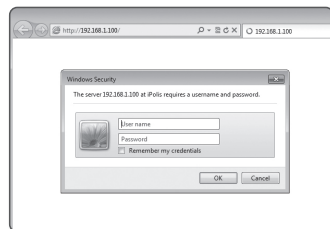


- Para registrar los ajustes de DDNS, consulte "**Registro con DDNS**". (página 31)

CONEXIÓN AL CODIFICADOR

Procedimiento normal

1. Inicie el explorador de Internet.
2. Escriba la dirección IP del codificador 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. Escriba la dirección IP y el número de puerto HTTP del codificador 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. Escriba la URL DDNS del codificador 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 del codificador buscado.
 - En el sistema operativo Windows, en el menú de red, haga clic en el nombre del codificador buscado
 - 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 del codificador buscado.
 - En el sistema operativo Mac, en la pestaña Bonjour de Safari, haga clic en el nombre del codificador buscado.
 - Aparece la ventana de inicio de sesión.

Para comprobar la dirección de DDNS

Si el codificador está conectado directamente al módem de cable DHCP o módem DSL, la dirección IP de su red se cambiará cada vez que intente conectarse al servidor ISP.

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.

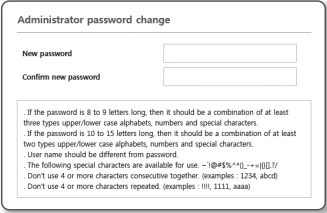
Para registrar el dispositivo en el servidor de <DDNS>, entre en <http://ddns.hanwha-security.com> y registre primero el dispositivo y, a continuación, establezca <Red> - <DDNS> de Web Viewer en <Wisenet DDNS>, y facilite el <ID de producto> utilizado durante el registro de DDNS.

CONFIGURACIÓN DE CONTRASEÑA

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

- !

- 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

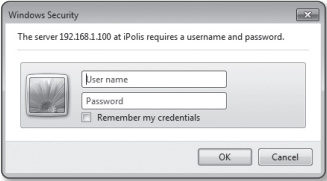
Cada vez que acceda al codificador, aparecerá la ventana de inicio de sesión. Introduzca la ID de usuario y la contraseña para acceder al codificador.

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.



- !

- Cuando acceda al visor web del codificador, preste especial atención a la seguridad comprobando si los datos de la imagen están 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 video si el tamaño de pantalla es del 100%. Si se reduce la relación existe el riesgo de cortar la imagen en los bordes.

UTILIZACIÓN DE LA PANTALLA EN DIRECTO



Elemento	Descripción
1 Live	Moves to the Live screen.
2 Config.	Va a la pantalla de configuración.
3 Pantalla del visor	Muestra en pantalla el video en directo. ■ Puede utilizar la rueda del ratón para activar el zoom digital en la pantalla del visor.
4 Ayuda en línea	La ayuda en línea proporciona descripciones detalladas de cada función.
5 Cambio de canal	Establece el canal de la cámara que se mostrará en la pantalla en vivo (Pantalla única/pantalla dividida en 4).

Elemento	Descripción	
6 PTZ	PTZ	Controla las operaciones de PANORÁMICA/INCLINACIÓN/ZOOM.
	Enfoque manual (/)	Ajusta el enfoque de la pantalla a una distancia cercana o distante.
	Zoom acercamiento ()	Arrastre la barra del lado derecho de la interfaz de usuario hacia arriba o haga clic en el botón [] para acercar la pantalla. Cuanto más lejos esté la posición de la barra desde el centro, más rápido se ampliará la pantalla.
	alejar zoom ()	Arrastre la barra del lado derecho de la interfaz de usuario hacia abajo o haga clic en el botón [] para alejar la pantalla. Cuanto más lejos esté la posición de la barra desde el centro, más rápido se alejará la pantalla.
	Para desplazar la pantalla ()	Se mueve en la dirección donde se encuentra el cursor.
	Menú OSD	Puede controlar las funciones de la cámara conectada.
7 Captura	Guarda la imagen actual como un archivo de imagen.	
8 Salida de alarma	Activa el puerto de salida de la alarma.	
9 Control de audio	Activa el audio y ajusta el volumen.	
10 Control de micrófono	Activa el micrófono.	
11 Información de acceso del perfil	Puede leer la información del perfil.	
12 Tipo de perfil	Puede seleccionar un tipo de perfil en <Perfil de video> bajo el menú de configuración <Basic>. Haga clic en el icono para mostrar el nombre del perfil actual.	
	- Si el video se reproduce en la página de monitoreo, pueden aparecer imágenes secundarias en la pantalla bajo las siguientes condiciones: - La resolución se ha cambiado debido a un cambio de perfil. - Los datos de entrada se han ralentizado debido a un retardo de red cuando el perfil se ha cambiado. - Se ha cambiado el tamaño y la ubicación de la ventana del navegador.	
13 Contador de píxeles	Comprueba el número de píxeles en el área seleccionada de la pantalla de video.	

Elemento	Descripción	
14 Reproducción	Pantalla completa ()	Haga doble clic en la pantalla de video y el video actual se reproducirá en la pantalla completa del monitor.
	Ajustar a la pantalla ()	Un modo de vista en el que el tamaño del video de la cámara se ajusta automáticamente al tamaño del navegador web.
	Tamaño del archivo original ()	Modo de vista en el que se reproduce el video en la resolución real.
	Mantener la relación de aspecto ()	Modo de vista que ajusta la relación de aspecto para adaptarse mejor a la resolución.

Es posible que algunas funciones no funcionen en un navegador o códec específico.

Para cambiar los canales

- Seleccione el número de canal que desee.
 - Haga clic en los iconos [, ,] para seleccionar un canal en los modelos SPE-1620.
- La pantalla del visor muestra el canal correspondiente.
- Para ver la pantalla dividida en 4, haga clic en el ícono [].
- Para volver la pantalla única, haga clic en el ícono [].

Para capturar la instantánea

- Haga clic en [Captura ()] en la escena que va a capturar.
- Cuando se guarda un video capturado, aparece un mensaje de notificación. La imagen capturada se guarda en la carpeta designada para cada navegador.

Si la pantalla no es capturado por el navegador Internet Explorer en Windows 7 o superior, ejecute el navegador Internet Explorer con el privilegio de administración

Para ocupar la pantalla completa

- Haga clic en el icono [Pantalla completa ()].
- Con esto el Visor ocupará toda la pantalla.
- Para salir del modo de pantalla completa, haga clic de nuevo en el botón [Pantalla completa ()] o presione la tecla [ESC] del teclado.

Uso del audio

1. Haga clic en el icono **[Audio (🔊)]** para activar la comunicación de audio.
2. Utilice la barra **[Control de audio]** para controlar el volumen.



- Si no hay sonido al enchufar y desenchufar la toma de audio mientras está en funcionamiento, haga clic en el icono **[Audio (🔊)]** para volver a habilitarlo.
- Para utilizar audio, debe configurar **<Entrada de audio>** en **"Perfil de vídeo"** y establecerla en **<Activado>** (página 25).



Uso del micrófono

Haga clic en el icono **[Micrófono (🎤)]** para activar el micrófono.

Contar el número de píxeles

1. Haga clic en el icono **[Contador de píxeles (📐)]** para activarlo..
2. Arrastre el ratón sobre el vídeo para seleccionar un área.
3. El número de píxeles en el área seleccionada se visualiza en la pantalla.

Controlar PTZ

1. Haga clic en el icono **[PTZ (➕)]**.
2. Mueva el mando de desplazamiento **[👉]** el teclado de Mover Pantalla para mover la dirección de la cámara, o acerque o aleje moviendo la barra en la parte derecha de la interfaz de usuario hacia arriba o hacia abajo.
3. Seleccione **[👤 ▲]** del enfoque de la pantalla para ajustar el enfoque.

Para aplicar el preajuste

- Preajuste :Aplica el preajuste guardado.
Consulte **"PTZ externo"** para conocer la configuración preestablecida detallada (pág. 29)
 - Movimiento: Aplica el preajuste guardado.
 - Configuración: Especifica el preajuste.

Para comprobar el estado del perfil

Puede comprobar la información del perfil.

1. Haga clic en el icono **[Estado (📊)]**.
2. La pantalla de información de acceso al perfil se actualiza siempre que la pantalla esté habilitada.
 - Acceso de perfil: muestra información del perfil recién añadido.
 - Perfil: muestra información del códec recién añadido.
 - Velocidad de bits(kbps): muestra la velocidad de bits real y la velocidad de bits definida.
 - Velocidad de cuadro(fps): muestra la velocidad de fotogramas real y la velocidad de fotogramas definida.
 - N° de usuarios simultáneos: muestra el número de usuarios simultáneos que acceden al perfil.
 - Usuario actual: Muestra información sobre los usuarios que acceden a Web Viewer y ven el vídeo de vigilancia.
 - Perfil: muestra el nombre del perfil al que ha accedido el usuario.
 - Velocidad de bits(kbps): muestra la velocidad de bits actual.
 - Estado de conexión de red: Muestra si la red está funcionando correctamente.
 - Dirección IP : muestra la dirección IP del usuario actual.

CONFIGURACIÓN

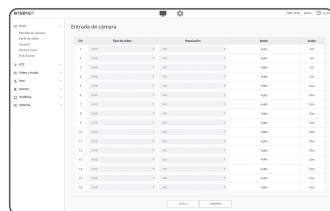
Puede configurar la información básica del codificador, PTZ, vídeo y audio, red, evento, análisis y configuración del sistema.

1. En la pantalla en vivo, haga clic en el botón [Config. (⚙)].
2. Aparece la pantalla de configuración.

CONFIGURACIÓN BÁSICA

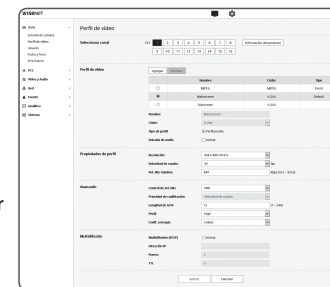
Entrada de cámara

1. En el menú de configuración, seleccione la ficha <Basic (📺)>.
2. Haga clic en <Entrada de cámara>.
 - Tipo de vídeo : CVBS/AHD/CVI/TVI
 - Resolución : SD/1M/2M/4M
 - Modo : Auto
 - Audio : Habilitar/Deshabilitar



Perfil de vídeo

1. En el menú de configuración, seleccione la ficha <Basic (📺)>.
2. Haga clic en <Perfil de vídeo>.
3. Seleccione el canal a establecer.
4. Establezca cada elemento en el perfil de vídeo. Incluso si se cambió la configuración del perfil actual al que se accedió, la configuración anterior se usará para la salida.
5. Seleccione las propiedades de cada perfil. Para obtener más detalles, consulte “Para añadir / modificar un perfil de vídeo” (página 26)
6. Seleccione un tipo de perfil.
 - Es posible que el menú contextual difiera dependiendo del tipo de códec seleccionado.
 - Perfil predet. : Si no se selecciona ningún perfil al utilizar Web Viewer, se aplica el perfil de vídeo predeterminado.
 - Perfil de E-mail / FTP : El perfil de vídeo que se va a transferir al e-mail o sitio FTP.
 - Sólo el códec de MJPEG se puede definir como Perfil de E-mail / FTP.
7. Seleccione si desea o no entrada de audio en el vídeo. Seleccione la casilla <Entrada de audio> y dispondrá de audio de entrada en el vídeo.
8. Una vez hecho, haga clic en [Aplicar].



Para añadir / modificar el perfil de video

La configuración del perfil puede añadirse o modificarse para incluir diferentes perfiles según las condiciones de grabación.

1. En **<Perfil de vídeo>**, haga clic en el botón **<Agregar>**.
 2. Facilite el nombre y seleccione un códec.
 3. Especifique las condiciones en las que se aplicará el códec.
 4. Especifique los detalles del códec seleccionado incluida la resolución y la y la velocidad de fotogramas.
 - Resolución : define el tamaño del vídeo de los archivos H.264 y MJPEG.
 - Vel. fotograma : configure el número máximo de fotogramas de vídeo por segundo.
 - Vel. bits máxima : configure la velocidad máxima de bits del vídeo cuando el control de la velocidad de bits se configura a VBR.
- !** ■ Como la velocidad de bits se puede ajustar de forma limitada según la resolución, la velocidad de fotogramas y la complejidad de la pantalla la velocidad de bits real puede ser mayor que la velocidad de bits máxima. Por tanto, debe tener en cuenta las condiciones de uso al ajustar el valor.
- Velocidad de bits de destino : Configure la velocidad de bits deseada cuando el control de la velocidad de bits se configura a CBR.
 - Control de vel. bits : Para la compresión, puede seleccionar entre velocidad de bits constante y velocidad de bits variable. La velocidad de bits fija significa que la velocidad de bits de transmisión de red queda fija mientras se varía la calidad de vídeo o la frecuencia de imágenes; velocidad de bits variable significa que se aplica una alta prioridad en la calidad de vídeo mientras varía la velocidad de bits.
- !** ■ Después de configurar la velocidad de bits fija para el control de bits, si selecciona el modo de prioridad de calidad de vídeo, la frecuencia de imagen transmitida real puede diferir de la frecuencia de imagen configurada (según la complejidad de la pantalla) a fin de garantizar la calidad óptima del vídeo para la velocidad de bits dada.
- Prioridad de codificación : Puede establecer la prioridad de transmisión de vídeo para establecer la frecuencia de imágenes o la compresión.
 - Longitud de GOV : Indica la distancia (en terminus de número de marcos) entre dos I-Frames consecutivos en una secuencia de vídeo cuando se ha seleccionado el codec H.264. (Un I-Frame + 0~varios P-Frames).
 - Perfil : Puede seleccionar el perfil del códec H.264.
 - Codif. Entropía : Esta es la codificación de longitud variable utilizando estadísticas de sintaxis. Utiliza técnicas de compresión sin pérdidas. Puede configurar el método de codificación de entropía. La tasa de compresión de CABAC es mejor que CAVLC.

- Multicast (RTSP) : permite especificar el uso del protocolo RTSP.
 - Dirección IP : introduzca una dirección IPv4 con la que puede conectar a la red IPv4.
 - Puerto : especifica el puerto de comunicaciones de vídeo.
 - TTL : puede definir TTL para el paquete RTP.



- Si establece la dirección de multidifusión en 224.0.0.0~224.0.0.255, la multidifusión puede no funcionar correctamente en todos los entornos. En ese caso, le recomendamos que cambie la dirección de multidifusión.

¿Cuál es la longitud de GOV?

GOV (grupo de planos de objetos de vídeo) es un conjunto de fotogramas de vídeo para compresión H.264, que indica un conjunto de fotogramas existentes entre el I-Frame inicial y el siguiente I-Frame. GOV se compone de 2 tipos de fotogramas: I-Frame y P-Frame.

I-Frame es el esquema base de la compresión y contiene datos para una sola imagen completa. El P-Frame sólo contiene los datos que se han cambiado en relación con el I-Frame precedente.

Para el códec H.264, puede establecer la longitud de GOV.

Si se establece un perfil de grabación con el codec H.264 la longitud GOV será la frecuencia de imagen / 2.

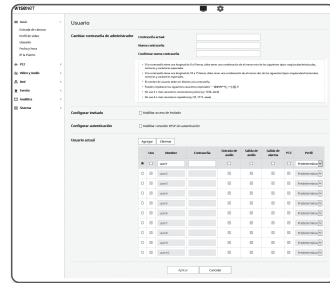
Usuario

1. En el menú de configuración, seleccione la ficha <Basic ()>.
2. Haga clic en <Usuario>.
3. Facilite la información de usuario necesaria.

- Cambiar contraseña de administrador : Cambia la contraseña del administrador.



- A efectos de seguridad, se recomienda utilizar una combinación de números, letras del alfabeto en mayúsculas y minúsculas, y caracteres especiales para su contraseña.
- Se recomienda cambiar la contraseña una vez cada tres meses.
- La longitud de la contraseña y los límites se muestran como sigue.
 - Una combinación de, al menos, 3 mayúsculas, minúsculas, caracteres numéricos y caracteres especiales: de 8 a 9 caracteres.
 - Una combinación de al menos dos tipos de mayúsculas, minúsculas, números y caracteres especiales: 10 a 15 caracteres.
 - En caso de ser diferente de la ID.
 - No utilice más de 4 caracteres consecutivos juntos. (ejemplos: 1234, ABCD)
 - No use 4 o más caracteres repetidos. (ejemplos: !!!!, 1111, aaaa)
 - Caracteres especiales que se permiten. : ~!@#\$%^&*()_+=![]?/
 - Después de la configuración de fábrica, se inicializan las contraseñas de administrador y usuario. Es necesario para restablecer la contraseña.
 - Cuando acceda a la página web del codificador por primera vez o acceda a ella después de la inicialización, se le llevará al menú de configuración de contraseña de administrador.
 - En este menú, debe volver a iniciar sesión con la nueva contraseña antes de utilizar los menús de la página web del codificador.
 - Si la contraseña existente no se corresponde, al cambiar la contraseña de administrador, no podrá cambiar la contraseña.
 - Después de cambiar su contraseña, si hay un codificador conectado a un cliente CMS o NVR, deberá volver a registrarlo con la nueva contraseña. Si el codificador todavía está conectado con la misma contraseña, la cuenta puede estar bloqueada debido a que un cliente esté usando la contraseña anterior.
- Si intenta iniciar sesión con la cuenta registrada, y 5 o más veces consecutivas falla en la autenticación de contraseña, la cuenta puede ser bloqueada durante treinta segundos.
- Cuando se cambia la contraseña mientras varias conexiones están activas desde un PC, el navegador podría no funcionar correctamente. En ese caso, vuelva a conectar con el servidor.



- Config. invitado : si selecciona <Habilitar acceso de invitado>, la cuenta de invitado puede acceder a la pantalla de Web viewer pero sólo puede ver la pantalla de Live Viewer.
 - El ID/contraseña de la cuenta de invitado es <guest/guest>, y no se puede cambiar.
- Config. autenticación : si selecciona <Habilitar conexión RTSP sin autenticación>, puede acceder a RTSP sin iniciar sesión y ver el vídeo.
- Usuario actual : Si selecciona <Uso>, puede definir o cambiar los permisos de usuario.
 - El administrador puede configurar la entrada de audio, salida de audio, salida de alarma, permisos de control PTZ.
 - Entrada de audio/Salida de audio/Salida de alarma: Puede activar/desactivar la entrada de audio/salida de audio/salida de alarma en el modo en vivo en la cuenta del usuario actual.
 - Control PTZ : Seleccione <PTZ>.
 - Perfil : si selecciona <Est.>, sólo puede ver el vídeo del perfil predeterminado; si se selecciona <Todos>, puede ver los vídeos completos del perfil.

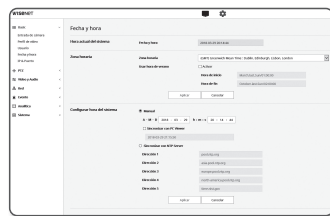


- Las funciones ONVIF disponibles para un usuario registrado con autorización para utilizar dichas funciones están limitadas a los usuarios con permisos concedidos para ello.

4. Una vez hecho, haga clic en [Aplicar].

Fecha y hora

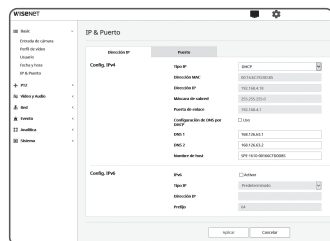
- En el menú de configuración, seleccione la ficha <Basic ()>.
- Haga clic en <Fecha y hora>.
- Especifique la hora y la fecha que se aplicará al codificador.
 - Hora actual del sistema : muestra los ajustes de hora actual del sistema.
 - Zona horaria : especifique la zona horaria local basándose en la GMT.
 - Usar hora de verano : si se marca, la hora se fijará una hora antes de la zona horaria local para el período de tiempo especificado. Esta opción sólo aparecerá en áreas en las que se aplica DST.
 - Configurar hora del sistema : especifique la fecha y hora que se aplicará en el sistema.
 - Manual : Establece la hora actual del codificador manualmente. Cuando selecciona la casilla <Sincronizar con PC Viewer>, la hora del visor web se ajusta a la hora visualizada en el PC que ejecuta el visor web.
 - Sincronizar con NTP Server : sincronice con la hora de la dirección de servidor especificada.
- Una vez hecho, haga clic en [Aplicar].



- Si selecciona <Sincronizar con PC Viewer>, la zona horaria estándar sería la misma que la zona horaria actual del PC.

IP & Puerto

- En el menú de configuración, seleccione la ficha <Basic ()>.
- Haga clic en <IP & Puerto>.
- Haga clic en <Dirección IP>.
- Establezca el <Config. IPv4>.
 - Tipo IP : selecciona un tipo de conexión IP.
 - Manual : Establece la dirección IP, la máscara de subred, la puerta de enlace, DNS1, DNS2 y el nombre de host.
 - DHCP : Establece DNS1, DNS2 y nombre de host.
 - PPPoE : Establece DNS1, DNS2, nombre de host, ID y contraseña.
 - Si lo define en <Manual>, debe especificar manualmente la IP, máscara de subred, puerta de enlace, DNS 1 y 2.
 - Dirección MAC : muestra la dirección MAC.
 - Dirección IP : muestra la dirección IP actual.
 - Máscara de subred : muestra la <Máscara de subred> para definir la IP.
 - Puerta de enlace : muestra la <Puerta de enlace> para definir la IP.
 - DNS1/DNS2 : muestra la dirección del servidor DNS (Servicio de nombres de dominios).
 - Nombre de host : muestra el nombre de host.



5. Establezca el <Config. IPv6>.

- Defínalo en <Uso> para utilizar la dirección IPv6.
 - Est. : se utiliza la dirección IPv6 predeterminada.
 - DHCP : muestra y utiliza la dirección IPv6 obtenida desde el servidor DHCP.
 - Manual : introduzca manualmente una dirección IP y una puerta de enlace y utilícela.
- El sistema de direcciones IP se definirá por defecto en DHCP. Si no se encuentra el servidor DHCP, se recuperarán automáticamente los ajustes anteriores.
- Una vez completada la edición, haga clic en [Aplicar] para aplicar los cambios y se saldrá del explorador. Tras un instante, conecte de nuevo con la IP modificada.

6. Haga clic en <Puerto>.

- Introduzca cada elemento en el menú del puerto según sea necesario.
 - No está disponible ni el rango de puertos entre 0 y 1023 ni el puerto 3702.
 - HTTP : puerto HTTP utilizado para acceder a la encoder a través del explorador Web. El valor predeterminado es 80 (TCP).
 - La política de seguridad, no permite ajustar el puerto HTTP para los exploradores Safari y Google Chrome en 65535.
 - HTTPS : En esta versión, se ha reforzado la seguridad del protocolo de comunicación web HTTP. Se puede utilizar cuando se establece el modo HTTPS en SSL. El valor inicial se establece en 443 (TCP).
 - El rango de ajuste disponible es 1024 ~ 65535. (Por razones de seguridad, en el navegador Safari o Google Chrome, no puede usar 65535 como puerto HTTPS).
 - RTSP : se utiliza para transferir videos en el modo RTSP; el valor predeterminado es 554.
 - Tiempo agotado: Cuando se conecta a RTSP, esta función restablece la conexión si no hay respuesta durante un cierto tiempo.



- Si se cambió el puerto HTTP, el explorador se cierra. Posteriormente, a dirección debe contener el puerto HTTP recién asignado con la IP. Ej.: Dirección IP: 192.168.1.100, Puerto HTTP: Asignado 8080 → http://192.168.1.100:8080 (Si el puerto HTTP se establece en 80, no hay necesidad de especificar el número de puerto.)
- Se recomienda usar RTSP y HTTPS para evitar que se restablezca la información de la imagen.

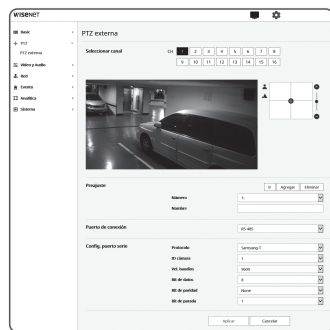
8. Una vez hecho, haga clic en [Aplicar].

CONFIGURACIÓN PTZ

PTZ externa

Establece el valor de conexión de la cámara PTZ externa para que el PTZ se pueda controlar a través de la cámara conectada al terminal RS-485 del codificador.

- En el menú de configuración, seleccione la ficha <PTZ (+)>.
- Haga clic en <PTZ externa>.
- Seleccione el canal a establecer.
- Configure el puerto de conexión.
 - RS-485 : Seleccione esto si desea controlar la cámara y el AUX remoto a través del terminal RS-485.
 - Coaxial : Ajuste para el control de la cámara. Se puede controlar PTZ y OSD.
- Configure el puerto serie. Si selecciona <RS-485> como puerto de conexión, puede configurar el modo de comunicación RS-485 de la cámara PTZ conectada.
 - Protocolo : Selecciona el mismo protocolo que la cámara, entre Samsung-T/Pelco-D/Pelco-P.
 - ID videocámara : muestra la identificación fija de la cámara.
 - Vel. baudios : velocidad de transferencia de las comunicaciones RS-485.
 - Datos : especifique los bits de datos.
 - Paridad : especifique el bit de paridad.
 - Bit parada : especifique el bit de parada.
- Una vez hecho, haga clic en [Aplicar].



■ Para esta operación, el codificador y la cámara PTZ deben estar conectados normalmente. Además, el puerto serie debe configurarse para operar la cámara PTZ.

■ Verifique las funciones admitidas por la cámara cuando está conectada. Algunas funciones pueden estar deshabilitadas según la especificación de la cámara o el protocolo. Consulte la siguiente tabla para más detalles.

Funciones aceptadas por cada protocolo

Protocolo	Control P	Velocidad de movimiento P	Control T	Velocidad de movimiento T	Control de Zoom	Velocidad de movimiento del zoom	Control de enfoque	Velocidad de control de enfoque	Guardar preajuste	Movimiento predefinido	Observaciones
SAMSUNG-T	0	0	0	0	0	0	0	X	0	0	
PELCO-D	0	0	0	0	0	0	0	X	0	0	
PELCO-P	0	0	0	0	0	0	0	X	0	0	

- Haga clic en el cursor [+] del panel táctil de la pantalla para controlar el movimiento de la pantalla.
 - Para desplazar la pantalla: desplace el curso en la dirección que desee.
 - Para regular la velocidad de movimiento de la pantalla: Cuanto más lejos se encuentra el cursor del centro, más rápido se mueve en la pantalla.
- Regule el movimiento del zoom.
 - Zoom acercamiento: desplace hacia arriba la barra que se encuentra a la derecha de UI, o pulse el botón [+]. Cuanto más lejos esté la barra del centro, más rápido se ampliará la pantalla.
 - Alejar zoom: desplace hacia abajo la barra que se encuentra a la derecha de UI, o pulse el botón [-]. Cuanto más lejos esté la barra del centro, más rápido se reducirá el tamaño de la pantalla.
- Ajuste el enfoque.
 - Enfoque manual (/) : Ajusta el enfoque de la pantalla para una distancia corta o una distancia larga.

■ El control de panorámica/inclinación/zoom solo es posible cuando el codificador está conectado a la cámara PTZ y <Serial setup> está configurado normalmente.

Para añadir una posición predefinida

- Seleccione el número de posición predefinida que va a añadir.
- Defina el nombre de la posición predefinida.
- Pulse el botón [Agregar].

Para suprimir una posición predefinida

- Seleccione el número de posición predefinida que va a añadir.
- Pulse el botón [Eliminar].

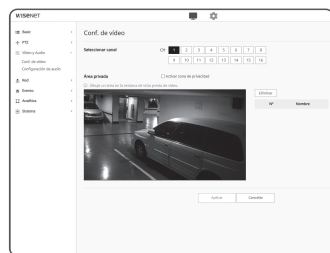
Para mover la posición predefinida

- Seleccione un número de predet. que desee mover.
- Pulse el botón [Ir].

CONFIGURACION DE AUDIO Y VIDEO

Conf. de vídeo

1. En el menú de configuración, seleccione la ficha <Video & Audio (≡)>.
2. Haga clic en <Conf. de vídeo>.
3. Seleccione el canal a establecer.
4. Especifique la zona de privacidad.
5. Una vez hecho, haga clic en [Aplicar].



Para definir la zona privada

Puede especificar un área concreta del vídeo de la cámara para protegerla por privacidad.

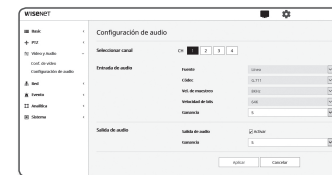
1. Seleccione la casilla <Activar zona de privacidad>.
2. Haga clic en [Aceptar].
3. Haga clic y arrastre sobre el vídeo para seleccionar un área.
4. Introduzca el nombre y seleccione el color, y haga clic en [Aceptar].
5. Si desea eliminar un nombre de la lista, selecciónelo y haga clic en [Eliminar].

Configuración de audio

Puede establecer el valor de entrada/salida del audio conectado al codificador.

1. En el menú de configuración, seleccione la ficha <Video & Audio (≡)>.
2. Haga clic en <Configuración de audio>.
3. Seleccione el canal a establecer.
4. Establezca el valor de entrada de audio.

- Fuente: Entrada de audio.
 - Línea: conecte el cable al dispositivo de audio.
- Códec: Códec de audio a usar.
 - G.711: códec de audio estándar, utiliza codificación PCM (modulación de código de pulso) de 64 Kbps. Códec de audio estándar ITU adecuado para transferencia de voz digital en red ISDN o a través de PBX.
- Vel. de muestreo: Se refiere al número de muestra que se capturan al digitalizar una banda sonora analógica. Cuanto más alto sea este valor, mejor será la calidad del sonido.
- Velocidad de bits: Establezca la relación de compresión en función de la velocidad de bits.
- Ganancia: especifique el códec de audio.



! Puede producirse un deterioro del sonido o interferencias si el volumen de la fuente de sonido o el valor de aumento se han fijado en un valor excesivo.

5. Ajuste el nivel de salida del audio.
 - Activar: establece si utilizar o no la salida de audio.
 - Ganancia: especifique la amplificación de la entrada de audio.
6. Una vez hecho, haga clic en [Aplicar].

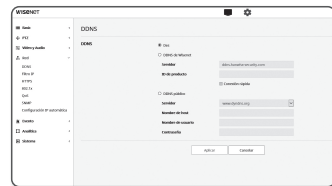
CONFIGURACIÓN RED

DDNS

DDNS es una abreviatura de Dynamic Domain Name Service que convierte la dirección IP de un codificador en un nombre de host general para que el usuario pueda recordarlo fácilmente.

■ Puede utilizar el servicio DDNS sólo si Internet está conectado.

1. En el menú de configuración, seleccione la ficha <Red (🏠)>.
2. Haga clic en <DDNS>.
3. Seleccione el tipo de conexión <DDNS>.
4. Introduzca las opciones de DDNS según el tipo seleccionado.



- DDNS de Wisenet : se selecciona si utiliza el servidor de DDNS facilitado por Hanwha Vision.
 - ID de producto : introduzca el ID de producto registrado con el servicio Wisenet DDNS.
 - Conexión rápida : establece el reenvío automático de puertos cuando se utiliza con un enrutador compatible con UPnP (Universal Plug and Play).
- Si desea usar el servicio DDNS sin usar un centro que admita la función UPnP, haga clic en Conexión Rápida, después vaya al menú central y active el puerto de reenvío para su centro. Para mayor información acerca de cómo puede establecer un puerto de reenvío para su hub, diríjase a "Configuración de Reenvío del Rango de Puertos (Asignación de Puertos)". (página 19)
- DDNS público : Seleccione uno de los servidores DDNS públicos que se facilitan cuando utilice un servidor DDNS público.
 - Servidor : permite seleccionar el servicio de DDNS público deseado.
 - Nombre de host : introduzca el nombre del host registrado en el servidor DDNS.
 - Nombre de usuario : introduzca el nombre de usuario del servicio DDNS.
 - Contraseña : introduzca la contraseña del servicio DDNS.

5. Una vez hecho, haga clic en [Aplicar].

■ Si se selecciona <Conexión rápida>, asegúrese de seleccionar el servicio Wisenet DDNS.

Registro con DDNS

Para registrar el producto con DDNS de Wisenet

1. Visite el sitio Web de DDNS de Wisenet (<http://ddns.hanwha-security.com>) y regístrese con una cuenta creada.

2. En la barra de menú superior, seleccione <MY DDNS>.



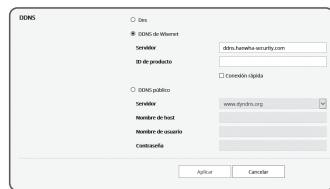
3. Haga clic en la pestaña [Register Product] .

5. Seleccione una <Type> y especifique el <Model>.
6. Especifique la ubicación del producto con una descripción en caso necesario.
7. Haga clic en [Product Registration]. El producto se añadirá a la lista de productos que puede comprobar.

No.	Product ID	Model	Connection Status	Product Name	View	Delete
1	HUB100		OK	HUB 100	View	Delete
2	HUB101		OK	HUB 101	View	Delete

Conectarse al DDNS de Wisenet en la configuración del codificador

1. En la página de configuración de DDNS, defina <DDNS> en <DDNS de Wisenet>.
2. Facilite el <ID de producto> especificado al registrar el ID del producto en el sitio DDNS.
3. Haga clic en [Aplicar].
Una vez que se establezca correctamente la conexión, aparecerá en pantalla el mensaje <(Correcto)>.



Configuración de DDNS público en la configuración del codificador

1. Abra la página de ajustes de DDNS y seleccione <DDNS público> para <DDNS>.
2. Introduzca el nombre de host del sitio, nombre de usuario y contraseña.
3. Haga clic en el botón [Aplicar].
Si la conexión se establece correctamente, aparece <(Correcto)>.
4. Una vez hecho, haga clic en [Aplicar].

- Para utilizar debidamente el servicio DDNS, es necesario configurar tanto DDNS como el reenvío de puertos del enrutador. Para la configuración del reenvío de puertos, consulte "Configuración de reenvío del rango de puertos (Asignación de puertos)". (página 19)

Filtro IP

Puede crear una lista de IPs a las que desee otorgar o denegar acceso.

1. En el menú de configuración, seleccione la ficha <Red ()>.
2. Haga clic en <Filtro IP>.
3. Seleccione <Tipo de filtro>.
 - Denegar : si se selecciona, se restringirá el acceso desde las IPs añadidas.
 - Permitir : si se selecciona, se permitirá el acceso sólo desde las IPs añadidas.
4. Haga clic en el botón [Agregar].
Se creará la lista de IP.
5. Facilite la IP a la que desee otorgar o denegar el acceso.
Cuando introduzca una dirección IP y un prefijo, la lista de direcciones IP disponibles aparecerá en la columna de rango del filtro del lado derecho.



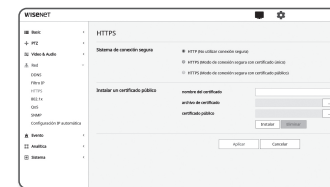
- Si se selecciona <Permitir> para Filtro IP y <Config. IPv6> de <IP & Puerto> se establece en <Uso>, deben asignarse las direcciones IPv4 e IPv6 del ordenador que se esté configurando.
- La dirección IP del equipo utilizado para realizar la configuración actual no se puede añadir a <Denegar>, debe añadirse a <Permitir>.
- Sólo aparecerán las direcciones IP que estén definidas en <Uso> en la columna del filtro.

6. Seleccione una IP para borrarla de la lista.
Haga clic en el botón [Eliminar].
7. Una vez hecho, haga clic en [Aplicar].

HTTPS

Puede seleccionar un sistema de conexión seguro o instalar el certificado público para este fin.

1. En el menú de configuración, seleccione la ficha <Red ()>.
2. Haga clic en <HTTPS>.
3. Seleccione un sistema de conexión seguro.
 - Para acceder al codificador usando el modo HTTPS, debe escribir la dirección IP del codificador en formato de "https://<IP_Encoder>". Si no puede configurar los ajustes de Web viewer en el modo HTTPS con Internet Explorer, edite las opciones de Internet como se indica a continuación: <Menú → Herramientas → Opciones de Internet → Avanzado → Seguridad → Quite la marca de TLS 1.0 y marque TLS 1.1, TLS 1.2>
4. Busque el certificado público que desea instalar en el codificador.
Para instalar el certificado en el codificador, debe proporcionar un nombre de certificado (puede asignarlo arbitrariamente el usuario), un archivo de certificado emitido por la autoridad de certificación y un archivo de clave.
 - La opción <HTTPS (Modo de conexión segura con certificado público)> sólo se activará si se ha instalado un certificado público.
5. Una vez hecho, haga clic en [Aplicar].



Instalación del certificado

1. Introduzca el nombre del certificado.
2. Haga clic en el botón [Explorar ()], seleccione el archivo de certificado público y el archivo de la clave para su instalación y, a continuación, haga clic en el botón [Instalar].

Eliminación del certificado

1. Haga clic en el botón [Eliminar].
2. Para borrar un certificado público, debe acceder al descodificador de vídeo de red en el modo de <HTTP (No utilizar conexión segura)> o <HTTPS (Modo de conexión segura con certificado único)>.

802.1x

Al conectar a red, puede elegir si utilizar el protocolo 802.1x e instalar el certificado.

1. En el menú de configuración, seleccione la ficha <Red (🏠)>.

2. Haga clic en <802.1x>.

3. Defina <Ajuste de IEEE 802.1x>.

- IEEE 802.1x : especifica el uso del protocolo 802.1x.
- Tipo EAP : Seleccione EAP-TLS o LEAP.
- Versión de EAPOL : seleccione la versión 1 o 2.
- ID : Introduzca el ID de certificado de cliente en EAP-TLS y el ID de usuario en LEAP.
- Contraseña : Introduzca la contraseña de la clave privada del cliente en EAP-TLS y la contraseña de usuario en LEAP. No tiene que escribir la contraseña en EAP-TLS si utiliza un archivo de clave que no está encriptado.



- Si el dispositivo de red conectado no admite el protocolo 802.1x, el protocolo no funcionará debidamente aunque lo defina.
- LEAP es un método de autenticación de baja seguridad. Sólo se debe usar en un entorno donde EAP-TLS no esté disponible.

4. Instale/elimine el certificado.

Sólo se necesita el certificado para EAP-TLS.

- Certificados CA : seleccione un certificado público que contenga la clave pública.
- Certificado de cliente : seleccione un certificado público que contenga la clave de certificado de cliente.
- Clave privada de cliente : seleccione un certificado público que contenga la clave privada de cliente.

5. Una vez hecho, haga clic en [Aplicar].



QoS

Puede especificar la prioridad para asegurar la velocidad de transferencia estándar para un IP específico.

1. En el menú de configuración, seleccione la ficha <Red (🏠)>.

2. Haga clic en <QoS>.

3. Haga clic en el botón [Agregar].
Se creará la lista de IP.

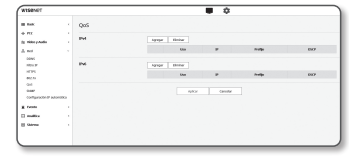
4. Introduzca una dirección IP a la que vaya a aplicar QoS.



- El prefijo predeterminado para IPv4 es 32. Para DSCP, el valor predeterminado se define en 63.
- Sólo pueden priorizarse las direcciones IP definidas en <Uso>.

5. Seleccione una IP para borrarla de la lista.
Haga clic en el botón [Eliminar].

6. Una vez hecho, haga clic en [Aplicar].



Para instalar/eliminar los certificados relacionados con 802.1x

1. Pulse el botón [Explorar] en cada elemento y seleccione un certificado para instalarlo.

2. Si no hay instalado ningún certificado, aparecerá "No disponible" al lado del elemento seleccionado.

3. Pulse el botón [Instalar] para empezar la instalación con un mensaje que indica "Instalado" al lado del elemento.

4. Pulse el botón [Eliminar] para eliminar el certificado.

SNMP

Con los protocolos SNMP, el administrador del sistema o de red puede controlar los dispositivos de red en un sitio remoto y configurar los ajustes del entorno.

1. En el menú de configuración, seleccione la ficha <Red (🏠)>.

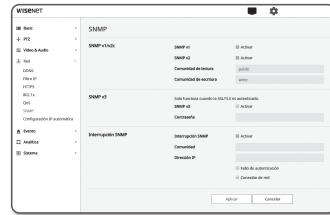
2. Haga clic en <SNMP>.

3. Especifique la <SNMP>.

- Activar SNMP v1 : se activará la versión 1 de SNMP.
- Activar SNMP v2c : se activará la versión 2 de SNMP.
 - Comunidad de lectura : facilite el nombre de la comunidad de lectura en la que puede acceder a la información de SNMP. El valor predeterminado es <public>.
 - Comunidad de escritura : facilite el nombre de la comunidad de escritura en la que puede acceder a la información de SNMP. El valor predeterminado es <write>.
- Activar SNMP v3 : se activará la versión 3 de SNMP.
 - Contraseña : especifique la contraseña predeterminada para la versión 3 de SNMP.
 - La contraseña predeterminada puede estar expuesta a riesgos de piratería, por lo que recomendamos que cambie la contraseña después de instalar el producto. Tenga en cuenta que otros problemas que sucedan por no cambiar la contraseña será responsabilidad del usuario.
 - La contraseña debe tener entre 8 y 16 caracteres de longitud.
- Activar SNMP Trap : SNMP trap se utiliza para enviar los eventos y las condiciones importantes al administrador del sistema.
 - Comunidad : Introduzca el nombre de la comunidad de captura para recibir mensajes.
 - Dirección IP : Introduzca la dirección IP a la que se enviarán los mensajes.
 - Notificación de fallo de autenticación : Indica si se produce alguna actividad cuando la información de la comunidad no es válida.
 - Conexión de red : Indica si se produce alguna actividad cuando la conexión de la red se restaura.

4. Una vez hecho, haga clic en [Aplicar].

- SNMP v3 sólo puede definirse cuando el modo de conexión seguro sea HTTPS. Consulte "HTTPS". (página 32)
- Si no utiliza SNMP v3 puede producirse un problema de seguridad.



Configuración IP automática

Puede configurar la IP disponible para el acceso y la búsqueda del codificador de forma automática.

1. En el menú de configuración, seleccione la ficha <Red (🏠)>.

2. Haga clic en <Configuración IP automática>.

3. Defina <Dirección local de enlace IPv4>.

Se puede asignar una dirección IP adicional para evaluar el codificador desde la red local de enlace.

- Configuración automática : Indica la activación o desactivación de la dirección IPv4 de enlace local.
- Dirección IP : Muestra la dirección IP asignada.
- Máscara de subred : Muestra la máscara de subred de la dirección IP asignada.

4. Defina <UPnP descubrimiento>.

Los codificadores pueden buscarse automáticamente en el cliente y en el sistema operativo en compatibilidad con el protocolo UPnP.

- UPnP descubrimiento : Especifica la activación o desactivación de búsqueda de UPnP.

- Nombre fácil de usar : Muestra el nombre del codificador.

El nombre se muestra en el formato de WISENET-<Model Name>-<MAC Address>.



- En el sistema operativo Windows, que básicamente es compatible con UPnP, se muestran los codificadores conectados a la red.

5. Defina <Bonjour>.

Los codificadores pueden buscarse automáticamente en el cliente y en el sistema operativo en compatibilidad con el protocolo Bonjour.

- Bonjour : Especifica la activación o desactivación de Bonjour.

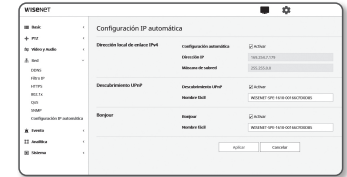
- Nombre fácil de usar : Muestra el nombre del codificador.

El nombre se muestra en el formato de WISENET-<Model Name>-<MAC Address>.



- En el sistema operativo Mac, que admite Bonjour por defecto, los codificadores conectados se muestran automáticamente en el marcador Bonjour del navegador web Safari. Si los favoritos de Bonjour no aparecen, compruebe la configuración de Favoritos en el menú "Preferencias".

6. Una vez hecho, haga clic en [Aplicar].



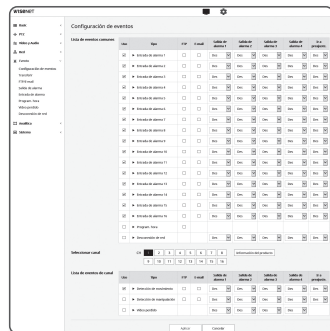
CONFIGURACIÓN DE EVENTOS

Configuración de eventos

Puede configurar fácilmente los elementos de detección del evento y acceder a la configuración detallada.

1. En el menú de configuración, seleccione la ficha <Evento (🏠)>.
2. Haga clic en <Configuración de eventos>.
3. Active los elementos que prefiera en la lista Evento.
4. Una vez hecho, haga clic en [Aplicar].

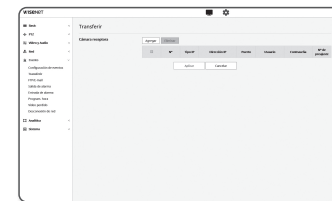
- Para configurar los ajustes detallados de eventos, haga clic en un tipo deseado. Se le redirigirá a la configuración detallada.



Entregar

La detección de eventos se puede usar junto con una cámara adicional con una función de preajuste PTZ. Cuando se detecta un evento, la cámara PTZ de interfuncionamiento se mueve a la posición preestablecida y puede realizar la supervisión.

1. En el menú de configuración, seleccione la ficha <Evento (🏠)>.
2. Haga clic en <Transferir>.
 - Cámara receptora : Registre la cámara que se va a interconectar con la detección de eventos. Haga clic en [Agregar] en la parte superior del menú para ingresar la dirección IP, el puerto, la ID, la contraseña de la cámara que se va a utilizar, y el número preestablecido al que se moverá cuando detecte un evento.
 - La transferencia se puede utilizar para la detección de movimiento/ detección de manipulación/clasificación de sonido/detección de eventos IVA.
 - Solo funciona normalmente si se especifica el preajuste configurado en la cámara del receptor.
 - La transferencia admite solo un preajuste por área.
3. Una vez hecho, haga clic en [Aplicar].



FTP / E-mail

Puede configurar los ajustes del servidor de FTP/Email de forma que pueda transferir las imágenes tomadas en la cámara al PC si se produce un evento.

1. En el menú de configuración, seleccione la ficha <Evento ()>.

2. Haga clic en <FTP / E-mail>.

3. Seleccione <Config. FTP> o <Config. E-mail> e introduzca / seleccione el valor que desee.

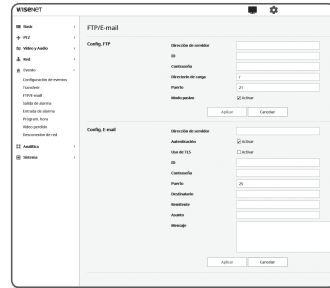
Config. FTP

- Dirección de servidor : introduzca la dirección IP del servidor de FTP a la que transferir las imágenes de la alarma o del evento.
- ID : introduzca el ID de usuario con el que desea iniciar sesión en el servidor de FTP.
- Contraseña : introduzca la contraseña de cuenta de usuario para iniciar sesión en el servidor de FTP.
- Directorio de carga : especifique la ruta de FTP a la que va a transferir las imágenes de la alarma o del evento.
- Puerto : el puerto predeterminado del servidor de FTP es 21; no obstante, puede utilizar un número de puerto diferente según los ajustes del servidor de FTP.
- Modo pasivo : seleccione <Act> si tiene que conectar en modo pasivo debido al cortafuegos o a los ajustes del servidor de FTP.

Config. E-mail

- Dirección de servidor : introduzca la dirección SMTP del servidor de correo electrónico a la que transferir las imágenes de la alarma o del evento.
- Autenticación : permite seleccionar si utilizar autorización.
- Uso de TLS : especifica el uso de TLS.
- ID : introduzca el ID de usuario para iniciar sesión en el servidor de email.
- Contraseña : introduzca la contraseña de cuenta de usuario para iniciar sesión en el servidor de email.
- Puerto : el puerto predeterminado del servidor de email es 25; no obstante, puede utilizar un número de puerto diferente según los ajustes del servidor de email.
- Receptor : introduzca la dirección del receptor de email.
- Emisor : introduzca la dirección del emisor del mensaje de correo electrónico. Si la dirección del emisor es incorrecta, es posible que el mensaje de correo del emisor lo clasifique como correo basura el servidor de email y no se envíe.
- Asunto : introduzca el asunto del email.
- Cuerpo : facilite el texto del mensaje. Adjunte las imágenes de la alarma o del evento al mensaje de correo electrónico que está preparando.

4. Una vez hecho, haga clic en [Aplicar].



Salida de alarma

1. En el menú de configuración, seleccione la ficha <Evento ()>.

2. Haga clic en <Salida de alarma>.

3. Configure la salida de alarma del codificador.

- Si cambia el tipo de salida de alarma, el botón de salida de alarma en la página de vigilancia y el tipo de salida de alarma mostrado en la página Event Setup (Config. de evento) cambiará en consecuencia.

Tipo

- Normal abierto: considera el estado "Circuito abierto" del sensor o el dispositivo de entrada de alarma como normal, y activa la alarma en caso de que el estado cambie a "Circuito cerrado".
- Normal cerrado: considera el estado "Circuito cerrado" del sensor o el dispositivo de entrada de alarma como normal, y activa la alarma en caso de que el estado cambie a "Circuito abierto".
- Modo: establece el método de salida de alarma.
 - Hay una diferencia entre las operaciones al hacer clic en el botón de salida de alarma mientras está desactivado.
- Pulso: se activa durante el periodo de tiempo especificado por la duración (intervalo de conmutación) y se desactiva de forma automática.
- Activo/Inactivo: se mantiene activado hasta que el usuario hace clic de nuevo en el botón para desactivarlo.
- Duración: establece la duración que se mantiene activada la alarma si el modo es establece en pulso, de 1 a 15 segundos.

4. Una vez hecho, haga clic en [Aplicar].



Entrada de alarma

Puede definir el tipo de entrada de alarma, a hora de activación y el modo de funcionamiento.

1. En el menú de configuración, seleccione la ficha <Evento (🏠)>.

2. Haga clic en <ENTRADA DE ALARMA>.

3. Defina o no <Activar>.

4. Seleccione el tipo.

- Normal abierto : está normalmente abierta, pero si está cerrada, se activa una alarma.
- Normal cerrado : está normalmente cerrada, pero si está abierta, se activa una alarma.

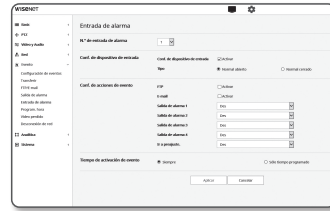
5. Especifique el <Tiempo de activación>.

- Siempre : compruebe siempre se produce una alarma. Se activa en modo de funcionamiento cuando se produce una alarma.
 - Si se define en <Siempre>, no es posible cambiar la hora de activación.
- Sólo tiempo programado : comprueba si se produce una alarma en el día de la semana especificado durante un período de tiempo especificado. Se activa en modo de funcionamiento cuando se produce una alarma.
 - [1 min 30 min 1 h] : Establece el formato de visualización de la hora en el eje vertical.
 - [Reinicializar] : reinicia todos los ajustes.

6. Especifique una operación que se realice si se produce una alarma.

- FTP : especifique el uso de la transferencia en FTP en la configuración de entrada de la alarma.
 - Consulte la sección "FTP / E-mail" para más detalles. (página 36)
- E-mail : especifique el uso de la transferencia en email en la configuración de entrada de la alarma.
 - Consulte la sección "FTP / E-mail" para más detalles. (página 36)
- Salida de alarma : seleccione si definir la salida de alarma si se produce la entrada de una alarma, y especifique el tiempo de salida de alarma.
- Ir a predef. : va a la posición predefinida especificada al definir la entrada de alarma.
 - El movimiento preestablecido solo es posible cuando el codificador y la cámara PTZ están conectados.
 - Solo se puede configurar el preajuste del mismo canal que el número de entrada de alarma. (por ejemplo, Alarma 2 ➡ Canal 2 ➡ preajuste del canal 2).

7. Una vez hecho, haga clic en [Aplicar].



Programación de hora

Puede configurar los ajustes para transmitir imágenes a intervalos regulares en una operación programada independientemente de la ocurrencia de un evento.

1. En el menú de configuración, seleccione la ficha <Evento (🏠)>.

2. Haga clic en <Program. hora>.

3. Defina o no <Activar>.

4. Especifique el <Intervalo de transferencia>.

5. Especifique el <Tiempo de activación>.

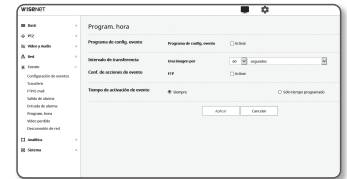
- Siempre : activa siempre en modo de funcionamiento a un intervalo definido.
- Sólo tiempo programado : activa periódicamente en modo de funcionamiento a una hora y fecha especificadas.

! El valor de ajuste del intervalo de transferencia debe ser menor que el intervalo de activación del predefinido para que la transmisión de imágenes se realice correctamente.

6. Especifique las condiciones de activación.

- FTP : especifique el uso de la transferencia de FTP si se produce un evento.
 - Consulte la sección "FTP / E-mail" para más detalles. (página 36)

7. Una vez hecho, haga clic en [Aplicar].



Vídeo perdido

Puede configurar la cámara para que pueda activar una alarma para notificar al usuario si el vídeo se ha perdido debido a la desconexión con la cámara.

1. En el menú de configuración, seleccione la ficha <Evento (🏠)>.

2. Haga clic en <Vídeo perdido>.

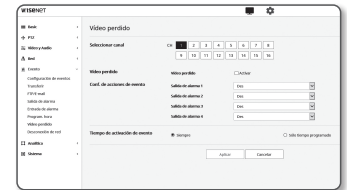
3. Seleccione el canal a establecer.

4. Defina o no <Activar>.

5. Configure el calendario de movimiento del evento y las condiciones de movimiento del evento.

- Para más información sobre <Tiempo de activación> y <Conf. de acciones de evento>, consulte "Entrada de alarma". (página 37)

6. Una vez hecho, haga clic en [Aplicar].



Detección de red

Cuando la red está físicamente desconectada, se considera como un evento que debe guardarse.

1. En el menú de configuración, seleccione la ficha <Evento (🏠)>.
2. Haga clic en <Detección de red>.
3. Defina o no <Activar>.
4. Configure el calendario de movimiento del evento y las condiciones de movimiento del evento.
 - Para más información sobre <Tiempo de activación> y <Conf. de acciones de evento>, consulte "Entrada de alarma". (página 37)
5. Una vez hecho, haga clic en [Aplicar].



CONFIGURAR LOS AJUSTES DE ANÁLISIS

Detección de movimiento

Puede configurar los ajustes para generar una señal de evento cuando se detecta un movimiento.

1. En el menú de configuración, seleccione la ficha <Analítica (🔍)>.
2. Haga clic en <Detección de movimiento>.
3. Seleccione el canal a establecer.
4. Defina o no <Activar detección de movimiento>.
5. Establezca un <Área incluida> y <Área de no detección>.

Puede configurar hasta 8 áreas.

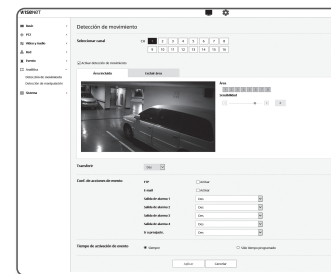
Puede especificar los ajustes de nivel y sensibilidad por separado para cada área.

Una sola área admite una figura de hasta 8 vértices.

Seleccione 4 vértices en el vídeo con el ratón para crear un rectángulo; luego, seleccione cada línea del rectángulo y agregue hasta 4 puntos más para crear la forma deseada.
6. Configure los ajustes para cada elemento.
 - Sensibilidad : Establece la sensibilidad de la detección de movimiento para cada área. Disminuya la sensibilidad en un entorno donde el fondo y el objeto se distingan claramente y aumente la sensibilidad en un entorno oscuro donde el fondo y el objeto no pueden distinguirse con claridad.
7. Seleccione si usar o no la transferencia.

Cuando se detecta un movimiento en el área de detección configurada, una cámara específica se mueve a una posición preestablecida de PTZ específica.

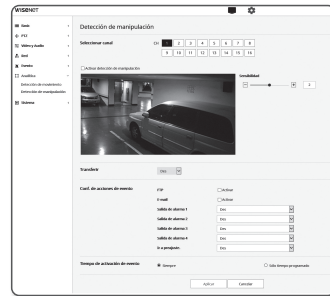
 - Puede especificar cámaras por área de detección.
8. Configure el calendario de movimiento del evento y las condiciones de movimiento del evento.
 - Para más información sobre <Tiempo de activación> y <Conf. de acciones de evento>, consulte "Entrada de alarma". (página 37)
9. Una vez hecho, haga clic en [Aplicar].



Detección de sabotaje

Puede establecer que se detecten los intentos de sabotaje y activar eventos, como el cambio repentino de la dirección de encuadre de la cámara, el bloqueo del objetivo y otros cambios de escena generales del vídeo.

1. En el menú de configuración, seleccione la ficha <Analítica (🔍)>.
2. Haga clic en <Detección de sabotaje>.
3. Seleccione el canal a establecer.
4. Defina o no <Activar detección de manipulación>.
5. Ajuste la sensibilidad.
Cuanto mayor sea el valor establecido, más sensible será la reacción de la cámara (rango: 1 a 3).
6. Seleccione si usar o no la transferencia.
7. Configure el calendario de movimiento del evento y las condiciones de movimiento del evento.
 - Para más información sobre <Tiempo de activación> y <Conf. de acciones de evento>, consulte "Entrada de alarma". (página 37)
8. Una vez hecho, haga clic en [Aplicar].

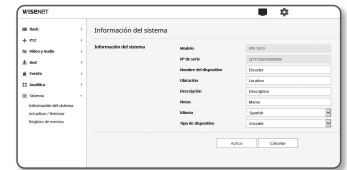


- La detección se reiniciará después de la estabilización durante un cierto periodo de tiempo (unos 5 segundos). Durante la estabilización, la detección no está disponible.
- Si se generan frecuentemente alarmas falsas, debe disminuir gradualmente la sensibilidad para minimizarlas.
- Si utiliza una sensibilidad baja, las alarmas pueden generarse incluso con cambios muy pequeños en la pantalla, pero se puede producir una falsa detección en respuesta a cambios en objetos en movimiento o brillo.
- En los siguientes casos, la función de detección de atemperado puede funcionar incorrectamente.
 - Monitorización de entorno con fondo simple, noche y bajo nivel de luz ambiental.
 - Fuertes vibraciones de la cámara o cambios repentinos en la iluminación

CONFIGURACIÓN DEL SISTEMA

Información del sistema

1. En el menú de configuración, seleccione la ficha <Sistema (⚙️)>.
2. Haga clic en <Información del sistema>.
3. Compruebe la información de la codificador o facilite detalles de acuerdo con el entorno de red.
 - Modelo : nombre del modelo del producto.
 - No. de serie : No. de serie del producto.
 - Nombre del dispositivo : facilite el nombre del dispositivo que aparecerá en la pantalla en directo.
 - Ubicación : Especifique la ubicación donde está instalado el codificador.
 - Descripción : Proporcione información detallada sobre la ubicación del codificador.
 - Notas : Proporcione una explicación sobre el codificador para una mejor comprensión.
 - Idioma : Seleccione el idioma que desee para la OSD de Web Viewer.
 - El idioma predeterminado se define en <English>.
 - Tipo de dispositivo : Establezca el tipo de producto.
Para más detalles, consulte la "Guía de configuración del tipo de dispositivo" (página 41).
4. Una vez hecho, haga clic en [Aplicar].



Actualizar / Reiniciar

1. En el menú de configuración, seleccione la ficha <Sistema (⚙️)>.
2. Haga clic en <Actualizar / Reiniciar>.
3. Seleccione el elemento que desee y defínalo de la forma apropiada.
 - Actualizar : realiza la actualización del sistema.
Al volver a conectar, el visor web no se ejecutará normalmente si la caché del navegador no está completamente clara.
 - Valores predeterminados de fábrica : Inicializa toda la información de configuración, incluida la configuración del codificador, a la configuración de fábrica (sin embargo, los registros no se inicializan).
 - Si selecciona la casilla <Excepto parámetro de red>, la configuración de red se excluirá y se restablecerá.
 - El sistema de dirección IP se definirá de forma predeterminada en DHCP si reinicia la cámara. Si no se encuentra el servidor DHCP, se recuperarán automáticamente los ajustes anteriores.
 - Copia seguridad y restauración de configuración : hace una copia de seguridad de los ajustes actuales del sistema antes de realizar el proceso de restauración. El sistema se reinicia automáticamente tras una copia de seguridad o una restauración.
 - Reiniciar : reinicia el sistema.



Para realizar la actualización

1. Haga clic en **[Explorar (...)]** y especifique un archivo para la actualización.
2. Haga clic en **[Actualizar]**.
3. Aparece una barra de progreso de **"Actualizar"** para mostrar el estado de actualización.
4. Una vez completada la actualización, el navegador se cierra y el codificador se reinicia.



- Es posible que el proceso de actualización tarde hasta 10 minutos.
Si termina a la fuerza el proceso de actualización, la actualización no se completará debidamente.
- Durante el reinicio del sistema, no se realizará el acceso con Web Viewer.
- Puede descargar la versión más reciente desde el sitio Web de Hanwha Vision.

Para hacer una copia de los ajustes actuales

1. Haga clic en **[Copia de seguridad]**.
2. Se guarda un archivo en formato de archivo **".bin"** en **"Library"** -> **"Document"** -> **"Downloads"**.

Para restaurar los ajustes de la copia de seguridad

1. Para restaurar los ajustes de copia de seguridad, haga clic en **[Restaurar]**.
2. Seleccione un archivo de copia de seguridad deseado.

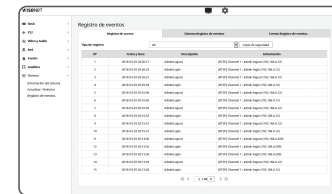


- Si realiza la copia de seguridad o la restauración, el navegador web se cerrará y el codificador se reiniciará.
- Si se intenta recuperar el archivo de configuración guardado como copia de seguridad en otro modelo, es posible que algunas funciones no funcionen correctamente y que sea necesario cambiar la configuración manualmente.

Registro de eventos

Puede comprobar el registro del sistema o el registro de eventos.

1. En el menú de configuración, seleccione la ficha **<Sistema ()>**.
2. Haga clic en **<Registro de eventos>**.
3. Seleccione un tipo de registro.
 - Registro de acceso : Puede comprobar la información de registro que contiene el acceso del usuario y el tiempo de acceso.
 - Registro del sistema : puede comprobar los registros del sistema en los casos en los que se graben cambios del sistema incluida la información de hora.
 - Registro de eventos : puede comprobar los registros de eventos incluida la información de hora.
4. En la lista de registros de la derecha, seleccione un elemento que buscar.
 - Si seleccione **<All>** en la lista desplegable de la parte superior izquierda, aparecerán todos los registros del tipo de registro aplicable.
5. Si en una página no se puede mostrar todos los registros disponibles, utilice los botones inferiores para desplazarse al elemento anterior, siguiente o al último.
6. Haga clic en el botón **<Copia de seguridad>** para guardar todos los datos de registro del modo seleccionado actualmente en el "valor de sello de tiempo creado por el codificador en el archivo modelname-mode-encoder.txt" en la carpeta de descarga del navegador.



- Cada página muestra 15 registros con el más reciente en la parte superior.
- Cada registro contiene hasta 1000 registros. Después de 1000 registros, estos se guardan y se borra el registro más antiguo cuando se genera un nuevo registro.

GUÍA DE CONFIGURACIÓN DEL TIPO DE DISPOSITIVO

Consulte la tabla de a continuación para conectar su codificador al SSM.

Para más detalles, consulte "Configuración del sistema" en el manual.

	SSM 2.0 o inferior	SSM 2.1 o superior
Tipo de dispositivo	NWC	Encoder

SOLUCIÓN DE PROBLEMAS

PROBLEMA	SOLUCIÓN
Cuando 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 video 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 video 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 puedo acceder al codificador desde un navegador web.	- Compruebe para asegurarse de que la configuración de red del codificador es la adecuada. - Compruebe para asegurarse de que todos los cables de red se han conectado bien. - Si está conectado mediante DHCP, verifique que el codificador pueda adquirir direcciones IP dinámicas sin ningún problema. - Si el codificador está conectado a un router de banda ancha, verifique que el reenvío de puertos esté configurado correctamente.
El Visualizador se desconecta durante el control.	- Los Visualizadores conectados se desconectan debido a cualquier cambio en las configuraciones de codificador o de red. - Compruebe todas las conexiones de red.
El producto conectada a la red no se detecta en el programa del Device Manager.	Desactive la configuración del firewall de su PC y luego busque el codificador nuevamente.

PROBLEMA	SOLUCIÓN
Se superponen imágenes.	Verifique si dos o más codificadores están configurados para una misma dirección de multidifusión en lugar estarlo para direcciones diferentes. Si se usa una sola dirección para múltiples codificadores, las imágenes pueden superponerse.
No aparece imagen.	Si el método de transmisión está configurado para multidifusión, verifique si hay un router que admita multidifusión en la LAN a la que está conectado el codificador.
La voz no se graba aunque se configuren los ajustes de entrada de audio.	Debe seleccionar la casilla <Entrada de audio> en <Basic> - <Perfil de video>.
<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: A. Compruebe los ajustes de <Fecha y hora>. B. <Detección de movimiento> debe definirse en <Activar>. C. Compruebe si la opción <E-mail> del menú <Config. de evento> está marcada para ser utilizada.
El sistema no se enciende y el indicador del panel frontal no funciona en absoluto.	- Verifique si el sistema de suministro de alimentación está conectado correctamente. - Verifique el sistema para conocer el voltaje de entrada de la fuente de alimentación. - Si el problema persiste incluso después de haber realizado las acciones anteriores, verifique la fuente de alimentación y reemplácelo por una nueva si es necesario.
Se está ingresando video, pero algunos canales no emiten video y en cambio emiten una pantalla de pérdida de video.	- Compruebe si la cámara conectada al codificador muestra correctamente la imagen. A veces, este problema puede ocurrir en una cámara que no está conectada correctamente a la fuente de video. - Verifique si la alimentación de la cámara es correcta. - A veces, este problema puede ocurrir en un canal con una señal de video débil de un distribuidor de video que está conectado a varios sistemas. En este caso, introduzca la fuente de video de la cámara directamente en el codificador. Esto podría resolver el problema.
No hay respuesta, incluso si hago clic en el menú [PTZ] de la pantalla en vivo.	Configuración → PTZ → PTZ externo → Verifique si los protocolos actuales y otras configuraciones del dispositivo PTZ están configurados correctamente según la cámara PTZ.
Olvidé la contraseña	- Contacte con el administrador del codificador para obtener ayuda. - Realice un restablecimiento de fábrica presionando el botón [RESET]. Tenga en cuenta que esto también inicializará los valores de configuración.

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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	
mtdd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdd-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	
zerocoinf	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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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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