

SAMSUNG TECHWIN

CODIFICADOR DE VÍDEO DE RED

Manual del usuario

SPE-400



Codificador de Vídeo de Red

Manual del usuario

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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. Límpielo únicamente con un paño seco.
7. No obstruya ninguna apertura de ventilación. Instale el aparato siguiendo las instrucciones del fabricante.
8. No lo instale cerca de ninguna fuente de calor como radiadores, focos de calor o cualquier otro aparato (incluidos los amplificadores) que emita calor.
9. No olvide que la finalidad de los enchufes polarizados o de toma a tierra es proporcionarle seguridad. Un enchufe polarizado tiene dos clavijas, una más ancha que la otra. Un enchufe con toma a tierra tiene dos clavijas y una tercera de toma a tierra. Tanto la clavija más ancha, en el caso del enchufe polarizado, como la clavija adicional, en el caso del enchufe con toma a tierra, tienen como objetivo aportarle seguridad. Si el enchufe del aparato no encaja en su toma de corriente, póngase en contacto con un electricista para cambiar la toma de corriente obsoleta.
10. Evite pisar o doblar el cable de alimentación. Ponga especial cuidado para no hacerlo en enchufes, tomas de corriente y en los puntos en los que salen desde el aparato.
11. Utilice únicamente los dispositivos y accesorios especificados por el fabricante.
12. Utilice sólo las mesitas con ruedas, soportes, trípodes o mesas recomendadas por el fabricante o vendidas con el aparato. Cuando se utilice una mesita con ruedas, tenga cuidado al mover la mesita con ruedas junto con el aparato para evitar daños por vuelco.
13. Desenchufe este aparato durante tormentas eléctricas o cuando no se utilice durante largos períodos de tiempo.
14. Remita todas las reparaciones a personal de mantenimiento cualificado. Es necesario enviar el aparato para su reparación cuando ha sufrido cualquier tipo de daño, como, por ejemplo, que el cable o el enchufe de la alimentación está dañado, se han derramado líquidos sobre el aparato o algún objeto ha caído sobre él, el aparato ha sido expuesto a la lluvia o a humedad, no funciona correctamente o se ha caído al suelo.



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.

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.

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.

descripción

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.

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

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

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

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CARACTERÍSTICAS DEL PRODUCTO

• Flujo de datos múltiple

Este codificador de vídeo de red puede mostrar simultáneamente vídeos en diferentes resoluciones y calidades utilizando CÓDECS diferentes.



- No obstante, el vídeo MPEG-4 no se puede reproducir en una página Web. Utilice el software CMS para reproducir vídeo en una página Web.

• Soporte de varios protocolos de comunicación

• Supervisión basada en el Explorador Web

Utilización de un explorador web de Internet para mostrar la imagen en un entorno de red local.

• Alarma

Si está conectado un sensor de alarma y detecta movimiento, se envía un mensaje a la dirección registrada a través de FTP/correo electrónico o se almacena en la tarjeta de memoria SD, o una alarma enviará la señal al terminal de salida de alarma.

• Compatibilidad con ONVIF

Este producto admite ONVIF.

Para más información, consulte www.onvif.org.



Driving network video through global standardization

CARACTERÍSTICAS RECOMENDADAS DEL ORDENADOR

- CPU : Intel Core 2 Duo de 2,4 GHz o superior
 - El plug-in de Web se optimiza según el conjunto de instrucciones de SSE 4.1.
- Sistema operativo : Windows XP, VISTA, 7, Mac OS X 10.7 o superior
- Resolución : 1280X1024 píxeles o superior (Color de 32 bits)
- RAM : 2GB o superior
- Navegador Web : Internet Explorer 7.0 o superior, Firefox 9.0 o superior, Chrome 15.0 o superior, *Safari 5.1 o superior
 - No se admitirá ni la versión de prueba que no sea la existente en el sitio web de la compañía ni la versión del desarrollador.
 - Para la conexión tipo IPv6, se recomienda Windows 7 o superior.
 - Para Mac OS X, sólo admite el navegador Safari.
- Memoria de Vídeo : 256MB o superior



- Si no se ha instalado correctamente el adaptador de gráficos de vídeo o no es la versión más reciente, es posible que el vídeo no se reproduzca correctamente.
- Para un sistema de vigilancia múltiple con al menos 2 monitores, el rendimiento de la reproducción se puede deteriorar dependiendo del sistema.

CARACTERÍSTICAS RECOMENDADAS DEL TARJETA DE MEMORIA SD/SDHC

- 4GB ~ 32GB
- Para el codificador de vídeo de red, recomendamos utilizar una tarjeta de memoria de los siguientes fabricantes : Tarjeta de Memoria SD/SDHC : Sandisk, Transcend
- Se recomienda utilizar una tarjeta de memoria adaptada como mínimo a la Clase 6.

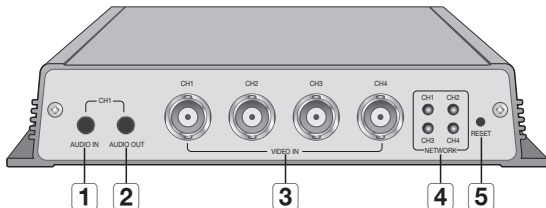
COMPONENTES

Compruebe si el codificador de vídeo red y los accesorios se incluyen en el paquete del producto.

Aspecto	Nombre de elemento	Cantidad	Descripción
	Codificador de vídeo de Red	1	
	Manual de instrucciones, CD de instalación	1	Manual del usuario, Manual de consulta rápida, programa de software IP Installer
	CMS S/W DVD	1	Programa de software NET-i viewer
	Manual de consulta rápida (Opcional)	1	
	Tarjeta de garantía (Opcional)	1	
	TORNILLO DE MONTAJE de rosca cortante	4	Se utiliza para la instalación en pared o en techo

TERMINAL

Lado frontal



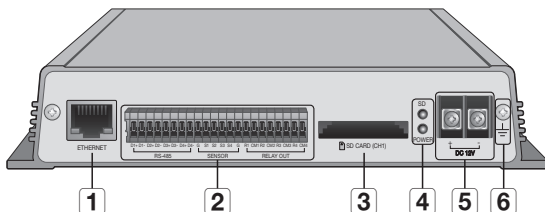
Elemento	Descripción
1 AUDIO IN	Terminal de entrada de audio que trae de sonido del codificador de vídeo de red. Se utiliza para conectar el micrófono.
2 AUDIO OUT	Terminal de salida de audio que genera la salida del sonido desde el codificador de vídeo de red. Se utiliza para conectar el altavoz.
3 VIDEO IN (CH 1~CH 4)	Se utiliza para conectar la señal de entrada de vídeo BNC.
4 Indicador de conexión de red (CH 1~CH 4)	Muestra el estado de conexión de red de cada canal.
5 Botón de reinicialización	Manténgalo pulsado durante 5 segundos para reiniciar con los valores predeterminados de fábrica. 1 Si reinicia el codificador de vídeo de red, los ajustes de red se ajustarán de forma que se pueda habilitar DHCP. Si no hay servidor DHCP en la red, debe ejecutar el programa IP Installer para cambiar los ajustes básicos de red como la dirección IP, la máscara de subred, la puerta de enlace, etc., antes de conectar a la red. ■ Para más información, sobre los ajustes IP, consulte "Configuración de red" (página 58)



- La E/S de audio se puede realizar sólo en el canal 1.

descripción

Lado trasero



Elemento		Descripción
1	Puerto Red	Se utiliza para conectar el cable o Ethernet.
2	I/O Bağlantı Noktası	D+ (1~4) Línea de datos RS-485
		D- (1~4) Línea de datos RS-485
		S1~S4 Entrada de alarma
		G TIERRA
		R1~R4 Salida del relé de alarma
		CM1~CM4 Salida de alarma (Común)
3	Compartimento de la tarjeta de memoria SD	Compartimento de la tarjeta de memoria SD.

Elemento		Descripción
4 SD de alimentación y Indicadores	SD	ENC. : hay una tarjeta de memoria insertada y funciona con normalidad. Parpadeante : fallo al grabar, espacio insuficiente o se ha insertado de forma incorrecta. APAG. : el codificador de vídeo de red está apagado, se está reiniciando o la tarjeta de memoria no está en su sitio. Cuando la grabación está desactivada.
	POWER	ENC. : mientras la unidad está encendida. APAG. : si la unidad está apagada.
5 Puerto de Alimentación	Se utiliza para conectar la fuente de alimentación especificada.	
6 GND	Se utiliza para la toma de tierra.	



- La memoria SD sólo se puede utilizar en el canal 1.

Tabla de puertos de E/S de canal

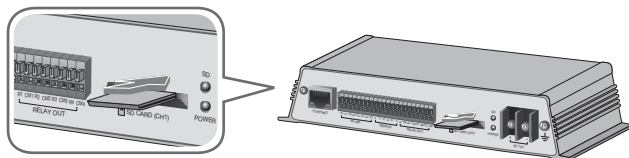
	RS-485	SENSOR	RELAY OUT		RS-485	SENSOR	RELAY OUT
CH 1	D1+, D1-	S1, G	R1, CM1	CH 3	D3+, D3-	S3, G	R3, CM3
CH 2	D2+, D2-	S2, G	R2, CM2	CH 4	D4+, D4-	S4, G	R4, CM4

instalación y conexión

INSERTAR/ELIMINAR UNA TARJETA DE MEMORIA SD

Insertar una Tarjeta de Memoria SD

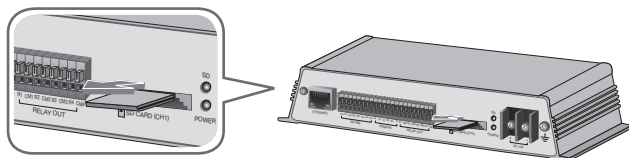
Presionar la tarjeta de memoria SD en la dirección de la flecha mostrada en el esquema.



- ❗ No inserte al revés la tarjeta de memoria SD a la fuerza. Si lo hace, podría dañar la tarjeta de memoria SD.

Eliminar una Tarjeta de Memoria SD

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



- ❗ Si presiona muy fuerte en la tarjeta de memoria SD, podría ser que saliera disparada de forma incontrolada cuando la suelte.
- Para extraer la tarjeta de memoria SD, apague el codificador o coloque el dispositivo en <Des> de <Almacenamiento> y pulse el botón **[Aplicar (Aplicar)]**. (página 68)
- Si apaga el codificador o retira del producto una tarjeta de memoria SD que contiene datos, estos datos pueden perderse o dañarse.
- Si se ha insertado la memoria SD y la grabación está activada, se encenderá el indicador LED de SD de la parte trasera del codificador de video de red.
- Si hay un problema en la memoria SD, parpadeará el indicador LED de SD.

INFORMACIÓN DE LA TARJETA DE MEMORIA (NO INCLUIDA)

¿Qué es una tarjeta de memoria?

La tarjeta de memoria es un dispositivo de almacenamiento de datos externo que se ha desarrollado para ofrecer una forma totalmente nueva para grabar y compartir datos de vídeo, audio y texto utilizando dispositivos digitales.

Seleccionar una tarjeta de memoria adecuada para usted

El codificador de vídeo de red admite tarjetas de memoria SD/SDHC.

Sin embargo, podría experimentar problemas de compatibilidad dependiendo del modelo y marca de la tarjeta de memoria.

Para el codificador de vídeo de red, recomendamos utilizar una tarjeta de memoria de los siguientes fabricantes : Tarjeta de Memoria SD/SDHC : Sandisk, Transcend

Se recomienda utilizar una tarjeta de memoria adaptada como mínimo a la Clase 6.

El rendimiento de la reproducción se puede ver afectada por la velocidad de la tarjeta de memoria, así que utilice la tarjeta de memoria de alta velocidad.

Uso de la Tarjeta de Memoria

Las tarjetas de memoria SD y SDHC cuentan con una pestaña que deshabilita la escritura de datos en el medio.

Si la pestaña se coloca en la posición Bloqueo evitará que se borren accidentalmente los datos almacenados en la tarjeta, pero a la vez también evitará escribir datos en el medio.

Componentes de Tarjeta de Memoria

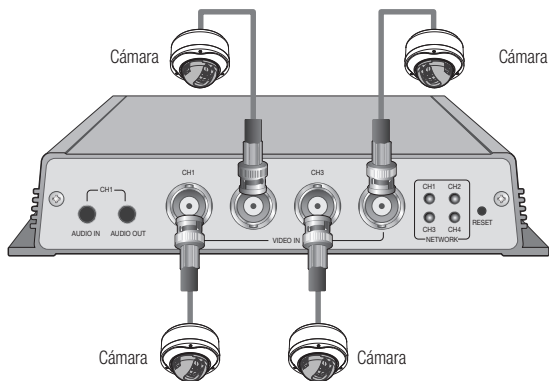


instalación y conexión

CONEXIÓN CON OTROS DISPOSITIVOS

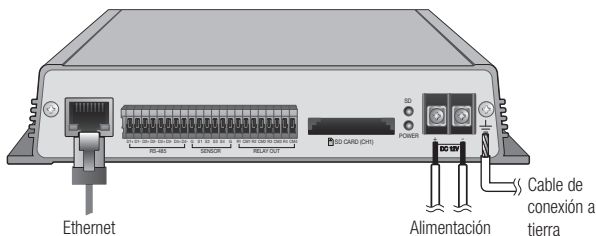
Conexión de la cámara

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



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 de vídeo de red.



- 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.

Resistencia eléctrica de cable de cobre a [20°C (68°F)]

Calibre de hilo americano (AWG)	n° 24 (0,22 mm²)	n° 22 (0,33 mm²)	n° 20 (0,52 mm²)	n° 18 (0,83 mm²)
Resistencia (Ω/m)	0,078	0,050	0,030	0,018
Tensión de caída (V/m)	0,028	0,018	0,011	0,006
Distancia recomendada (m)	Menos de 20	Menos de 30	Menos de 30	Menos de 30

- Como se muestra en la tabla anterior, es posible que encuentre un punto de tensión baja dependiendo de la longitud del cable.

Si utiliza un cable excesivamente largo para la conexión del codificador de vídeo de red, es posible que éste no funcione debidamente.

- Tensión de funcionamiento del codificador de vídeo de red: 12 VCC $\pm$ 10%
- Las mediciones de caída de tensión del diagrama anterior pueden variar dependiendo del tipo y el fabricante del cable de cobre.

Conexión a tierra del producto

Utilice un destornillador para conectar el cable de conexión a tierra al tornillo FG situado justo al lado de la entrada de corriente.



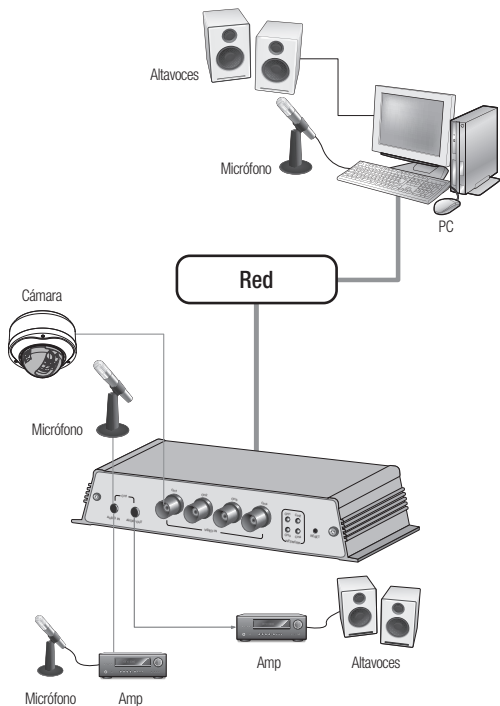
- La conexión a tierra protege el producto contra una sobretensión o un rayo.
- Al realizar la conexión a tierra, asegúrese de desconectar el producto.

Cable de conexión a tierra recomendado

- Longitud: menos de 3M
- Calibre: 18 AWG o mayor
Ej.) UL1007 AWG 18/16, UL1015 AWG18/16/14/12, UL2468 AWG18/16/14

instalación y conexión

Conectar la Entrada/Salida de Audio



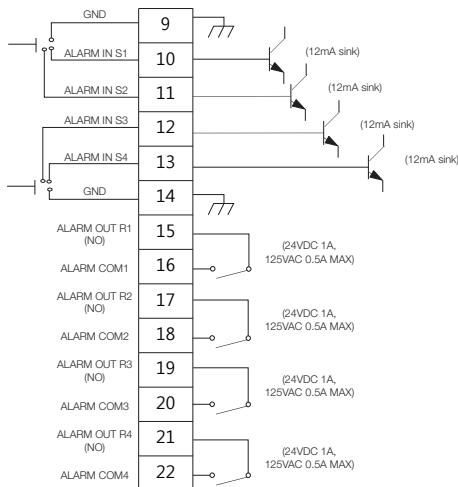
1. Conecte un micrófono directamente a LINE OUT del amplificador que está conectado con un micrófono a AUDIO IN del codificador de video de red.
2. Conecte el puerto AUDIO OUT de la codificador de video de red con el micrófono o al puerto LINE IN del amplificador al que está conectado el altavoz.
3.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



▪ La E/S de audio se puede realizar sólo en el canal 1.

- **Códec de Audio**
G.711 PCM, muestreo μ -law 64kbps 8kHz
- **Audio Full dúplex**
- **Entrada de Audio**
Utilizado para entrada de línea de señal única (Máx. 2,4 Vpp)
- **Salida de audio**
Utilizado para salida de línea de señal única (Máx. 2,4 Vpp)
- **Impedancia de salida de línea**
600 Ω

Diagrama de cableado de E/S de alarma

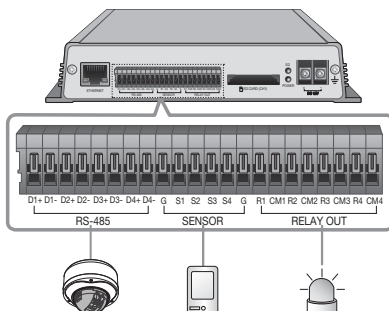


- Para controlar la alimentación con los contactos eléctricos, se necesita un circuito aparte.

instalación y conexión

Conexión al cuadro del puerto de E/S

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



Terminal	Descripción	Terminal	Descripción
D+(1~4)	Línea de datos RS-485	R1~R4	Salida del Relé de Alarma
D-(1~4)	Línea de datos RS-485	CM1~CM4	Salida de alarma (Común)
S1~S4	Entrada de alarma	G	TIERRA

Conexión del dispositivo RS-485

Conecte el dispositivo externo a los puertos **[RS-485 D+, D-]**.

No puede instalar y controlar la cámara PTZ que posibilita la comunicación RS-485.

- Dependiendo del tipo de cámara, la paridad de la conexión puede ser diferente.
Para obtener información adicional, consulte la documentación de la cámara PTZ correspondiente.

Conexión a la entrada de alarma

Conecte un cable de señales (de los 2) del sensor aplicable al puerto **[S1]**, y el otro al puerto **[G]**.

Conexión de la salida de alarma

Conecte el cable de señales (de los 2) del dispositivo externo aplicable a **[RELAY OUT]**, y el otro al puerto **[CM]**.



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

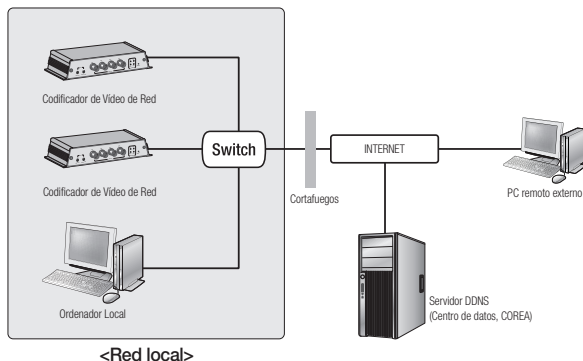
conexión y configuración de la red

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

CONEXIÓN DEL CODIFICADOR DE VÍDEO DE RED DIRECTAMENTE A LA RED DE ÁREA LOCAL

Conexión al codificador de vídeo de red desde un PC local en la LAN

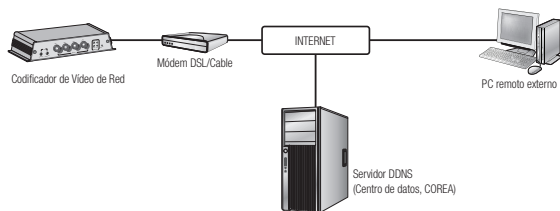
1. Abrir un navegador de Internet en su ordenador local.
2. Introduzca la dirección IP del codificador de vídeo de red en la barra de direcciones del navegador.



- Un PC remoto en una Internet externa a la red LAN es posible que no pueda conectar al codificador de vídeo de red instalado en la intranet si el reenvío de puertos no se configura correctamente o si existe un cortafuegos. 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 192.168.1.100~103 (CH 1~CH 4). Para cambiar la dirección IP, utilice Instalador IP. Para obtener más detalles sobre el uso de Instalador IP, consulte **"Configuración de IP estática"**. (página 26)

conexión y configuración de la red

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

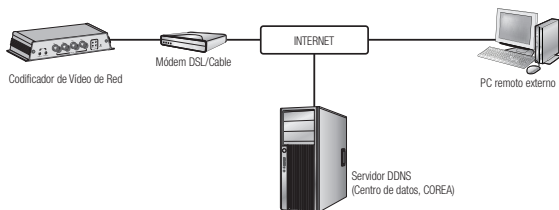


1. Conecte el PC usuario directamente con el codificador de vídeo de la red.
2. Ejecute IP Installer y cambie la dirección IP del codificador de vídeo de red de forma que pueda utilizar el explorador Web de su escritorio para conectar a Internet.
3. Utilice el navegador de Internet para conectar a Web Viewer.
4. Vaya a la página **[Setup]**.
5. Vaya a **[Network] – [DDNS]** y configure los ajustes de DDNS.
6. Vaya a **[Network] – [Interfaz]** y defina el tipo de red en **[DHCP]**.
7. Conecte el codificador de vídeo de red retirado del PC, directamente en el módem.
8. Reinicie el codificador de vídeo de red.



- Para registrar los ajustes de DDNS, consulte "**Registro con DDNS**". (página 61)
- Para configurar los ajustes de DDNS, consulte "**DDNS**". (página 60)
- Para definir el tipo de red, consulte "**Interfaz**". (página 58)

CONEXIÓN DEL CODIFICADOR DE VÍDEO DE RED DIRECTAMENTE A UN MÓDEM PPPoE



1. Conecte el PC usuario directamente con el codificador de vídeo de la red.
2. Ejecute IP Installer y cambie la dirección IP del codificador de vídeo de red de forma que pueda utilizar el explorador Web de su escritorio para conectar a Internet.
3. Utilice el navegador de Internet para conectar a Web Viewer.
4. Vaya a la página **[Setup]**.
5. Vaya a **[Network]** – **[DDNS]** y configure los ajustes de DDNS.
6. Mover a la página de configuración de **[Network]** – **[Interfaz]**, fije el tipo de red **[PPPoE]** e introduzca identificación y contraseña.
7. Conecte el codificador de vídeo de red retirado del PC, directamente en el módem.
8. Reinicie el codificador de vídeo de red.

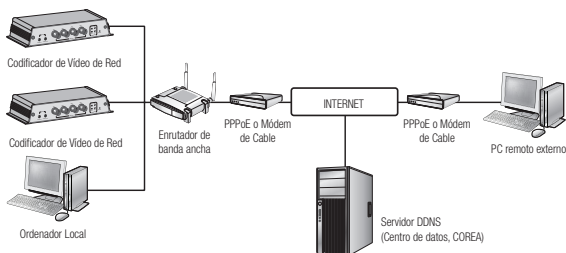


- Para registrar los ajustes de DDNS, consulte **"Registro con DDNS"**. (página 61)
- Para configurar los ajustes de DDNS, consulte **"DDNS"**. (página 60)
- Para definir el tipo de red, consulte **"Interfaz"**. (página 58)

conexión y configuración de la red

CONEXIÓN DEL CODIFICADOR DE VÍDEO DE RED A UN ENRUTADOR DE BANDA ANCHA CON EL MÓDEM DE CABLE/PPPoE

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



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

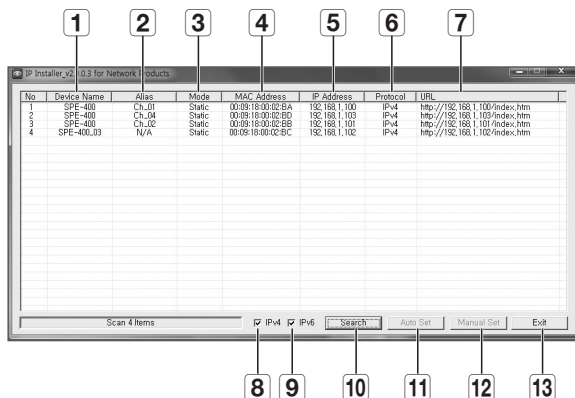
Configure la configuración de red del ordenador local conectado a un Enrutador de banda ancha, siga las instrucciones siguientes.

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



- Para obtener la dirección del Enrutador de banda ancha, véase la documentación del producto.
- Para obtener información adicional sobre el reenvío de puertos del enrutador de banda ancha, consulte **"Configuración de Reenvío del Rango de Puertos (Asignación de Puertos)"**. (Página 30)

BOTONES UTILIZADOS EN IP INSTALLER



Elemento	Descripción
1 Device Name	Nombre del modelo del dispositivo de red conectado. Haga clic en la columna para ordenar la lista por nombre de modelo. Sin embargo, la búsqueda puede detenerse si se hace clic durante la búsqueda.
2 Alias	Esta función no está actualmente implantada.
3 Mode	Muestra <Static>, <Dynamic> o <PPPoE> para el estado de conexión de red.
4 MAC(Ethernet) Address	Dirección Ethernet del dispositivo de red conectado. Haga clic en la columna para ordenar la lista por dirección Ethernet. Sin embargo, la búsqueda puede detenerse si se hace clic durante la búsqueda.
5 IP Address	Dirección IP. Haga clic en la columna para ordenar la lista por dirección IP. Sin embargo, la búsqueda puede detenerse si se hace clic durante la búsqueda.
6 Protocol	Ajustes de red del dispositivo de red. El ajuste predeterminado de fábrica es "IPv4". Si un codificador de video de red se define en IPv6, muestra "IPv6".

conexión y configuración de la red

Elemento	Descripción
7 URL	La dirección URL de DDNS que permite acceder desde Internet externa. No obstante, se sustituirá por la <IP Address> de la codificador si ha fallado el registro de DDNS.
8 IPv4	Rastrea los dispositivos de red que tengan el ajuste IPv4.
9 IPv6	Rastrea los dispositivos de red que tengan el ajuste IPv6. Se activa en un entorno compatible con IPv6.
10 Search	Rastrea los dispositivos de red que estén actualmente conectadas a la red. No obstante, este botón aparecerá atenuado si no se marca ni IPv4 ni IPv6.
11 Auto Set	IP Installer configura automáticamente los ajustes de red.
12 Manual Set	Debe configurar manualmente los ajustes de red.
13 Exit	Salida del programa IP Installer.



- Para IP installer, utilice sólo la versión que se facilita en el CD de instalación o utilice la última versión si está disponible. Puede descargar la versión más reciente desde el sitio Web de Samsung (www.samsungcctv.com).

CONFIGURACIÓN DE IP ESTÁTICA

Configuración de red manual

Ejecute <IP Installer_v2.XX.exe> para ver la lista de búsqueda de dispositivos de red. En el arranque inicial, aparecerán atenuadas **[Auto Set]** y **[Manual Set]**.



- En los dispositivos de red encontrados con el ajuste IPv6, estos botones aparecerán atenuados ya que los dispositivos de red no admiten esta función.

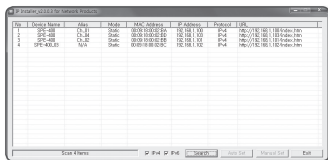
1. Seleccione un dispositivo de red en los resultados de la búsqueda.

Compruebe la dirección MAC del dispositivo que figura en la etiqueta del dispositivo de red. Se activará tanto **[Auto Set]** como **[Manual Set]**.

2. Haga clic en **[Manual Set]**.

Aparece el diálogo de ajustes manuales.

<IP Address>, <Subnet Mask>, <Gateway>, <HTTP Port> y <VNP Port> de los dispositivos de red aparecen con sus valores predeterminados.



3. En el panel <Address>, facilite la información necesaria.

- MAC (Ethernet) Address : La dirección MAC impresa en la etiqueta del dispositivo de red se muestra automáticamente y no requiere de ninguna configuración por parte del usuario.

Manual Setting dialog box. The 'Address' tab is active. It contains fields for MAC Address (00:09:18:00:01:2C), IP Address (192.168.1.100), Subnet Mask (255.255.255.0), and Gateway (192.168.1.1). There is a checkbox for DHCP and a Password field. On the right, there are fields for Port, HTTP Port (80), and VNP Port (4520). OK and Cancel buttons are at the bottom.



- Los respectivos parámetros IP sólo se pueden establecer cuando el DHCP no está seleccionado.

Si se utiliza un Enrutador de banda ancha

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

Setup screen with 'Internet Setup' and 'Network Setup' tabs. The 'Internet Setup' tab shows 'Automatic Configuration - DHCP' selected. Fields include Router Name (Router_1), Host Name, Domain Name, MTU (1400), and Size. The 'Network Setup' tab shows 'Router IP' with Local IP Address (192.168.1.1) and Subnet Mask (255.255.255.0) highlighted with a red box.



- 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 30)

Si no se utiliza un Enrutador de banda ancha

Para el ajuste de <IP Address>, <Subnet Mask> y <Gateway>, póngase en contacto con el administrador de red.

4. En el panel <Port>, facilite la información necesaria.

- HTTP Port : se utiliza para acceder al dispositivo de red utilizando el explorador de Internet, por defecto en 80.
- VNP Port : se utiliza para controlar la transferencia de señales de video, por defecto en 4520.

Manual Setting dialog box. The 'Address' tab is active. It contains fields for MAC Address (00:09:18:00:01:2C), IP Address (192.168.1.100), Subnet Mask (255.255.255.0), and Gateway (192.168.1.1). There is a checkbox for DHCP and a Password field. On the right, there are fields for Port, HTTP Port (80), and VNP Port (4520). OK and Cancel buttons are at the bottom.

5. Introduzca la contraseña.

- Introduzca la contraseña de la cuenta "admin" que se haya utilizado para acceder al dispositivo de red.
La contraseña inicial es "4321".

conexión y configuración de la red



- 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.
- Si desea cambiar la contraseña, consulte "**Cambiar contraseña de administrador**" de la configuración de usuario. (página 80)

6. Haga clic en [OK].

La configuración manual de la red queda completada.

Si el enrutador de banda ancha tiene conectado el codificador de vídeo de red

Defina de forma diferente los campos relacionados con la dirección IP y el puerto de los codificador de vídeo de red.

Categoría		CH 1	CH 2	CH 3	CH 4
Ajustes relacionados con IP	IP Address	192.168.1.100	192.168.1.101	192.168.1.102	192.168.1.103
	Subnet Mask	255.255.255.0	255.255.255.0	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1	192.168.1.1	192.168.1.1
Ajustes relacionados con el puerto	HTTP Port	8080	8081	8082	8083
	VNP Port	4520	4521	4522	4523



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

Configuración automática de red

Ejecute <IP Installer_v2.XX.exe> para ver la lista de búsqueda de dispositivos de red. En el arranque inicial, tanto [Auto Set] como [Manual Set] aparecerán atenuados.

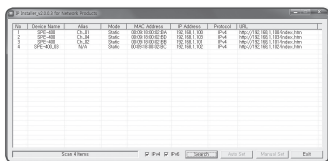


- En los dispositivos de red encontrados con el ajuste IPv6, estos botones aparecerán atenuados ya que los dispositivos de red no admiten esta función.

1. Seleccione un dispositivo de red en los resultados de la búsqueda.

Compruebe la dirección MAC del dispositivo que figura en la etiqueta del dispositivo de red.

Se activarán los botones [Auto Set] y [Manual Set].

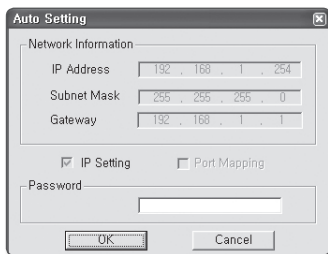


- Haga clic en **[Auto Set]**.
Aparece el diálogo Auto Setting.
Se definirán automáticamente **<IP Address>**, **<Subnet Mask>** y **<Gateway>**.

- Introduzca la contraseña.
Introduzca la contraseña de la cuenta **"admin"** que se haya utilizado para acceder al dispositivo de red.
La contraseña inicial es **"4321"**.



- 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.
- Si desea cambiar la contraseña, consulte **"Cambiar contraseña de administrador"** de la configuración de usuario. (página 80)



- Haga clic en **[OK]**.
La configuración automática de la red queda completada.

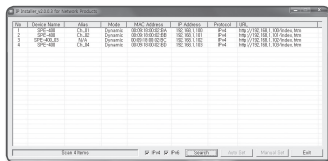
CONFIGURACIÓN DE IP DINÁMICA

Configuración del entorno de IP dinámica

- Ejemplo de entorno de IP dinámica
 - Si está conectado un enrutador de banda ancha con un dispositivo de red, se asigna una dirección IP mediante el servidor DHCP
 - El dispositivo de red está conectado directamente a un modem DHCP
 - Si las IP se asignan mediante el servidor DHCP interno a través de la LAN

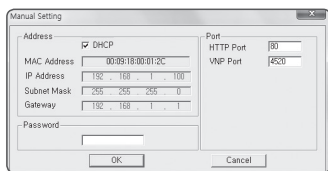
Comprobación de la IP dinámica

- Ejecute el instalador IP en el ordenador local del usuario. En la lista se muestran los dispositivos de red asignados con dirección de **<Dynamic IP>**.
- Seleccione un dispositivo de red del resultado de la búsqueda.



conexión y configuración de la red

- Haga clic en el botón **[Manual Set]** y compruebe la dirección de **<Dynamic IP>** del dispositivo de red.
Si elimina la marca de selección **<DHCP>**, puede cambiar IP a **<Static>**.

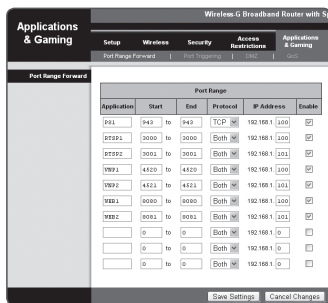


CONFIGURACIÓN DE REENVÍO DEL RANGO DE PUERTOS (ASIGNACIÓN DE PUERTOS)

Si ha instalado un enrutador de banda ancha con un codificador de vídeo de red conectado, debe definir el reenvío del rango de puertos en el enrutador de banda ancha de forma que un PC remoto pueda acceder al codificador de vídeo de red en él.

Reenvío manual del rango de puertos

- 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.
- Seleccione **<TCP>** y **<UDP Port>** por cada codificador de vídeo de red al enrutador de banda ancha.
El número de puerto del enrutador de banda ancha debe coincidir con el indicado en **<Setup>** - **<Network>** - **<Puerto>** del menú del visor web del codificador.
- Una vez hecho, haga clic en **[Save Settings]**.
Se guardarán los ajustes.



- El ejemplo de instrucciones anteriores se basan en el Enrutador de banda ancha 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.

Reenvío de puertos para el codificador de vídeo de red

Si el codificador de vídeo de red (SPE-400) está conectado al enrutador, debe definir el reenvío de puertos de cualquier canal del codificador de vídeo de red (SPE-400) al puerto TCP nº 943.

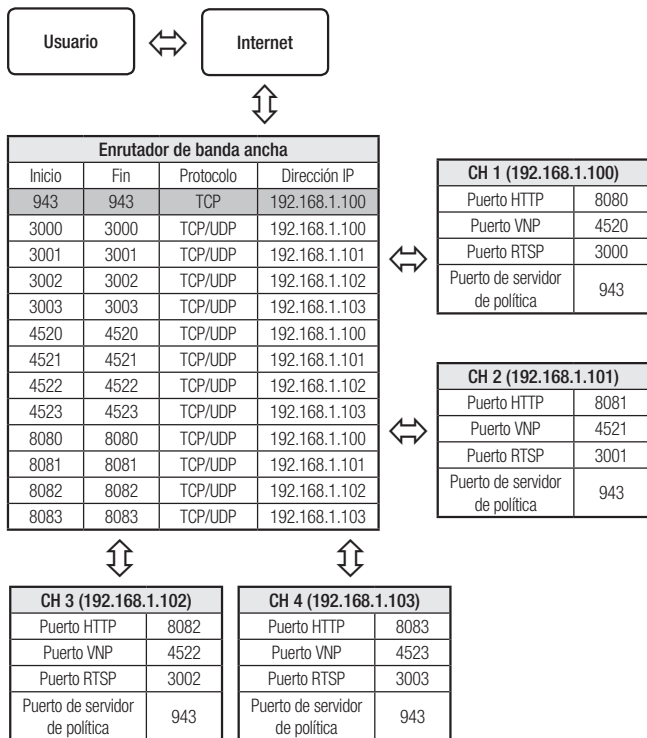


- Si no define correctamente el puerto TCP 943 del enrutador, no podrá obtener ninguna secuencia de vídeo en la página Web del codificador de vídeo de red.

- El puerto TCP 943 es un puerto para el servidor de política Silverlight de un codificador de vídeo de red.
- Puede definir una regla de reenvío de puertos en el dispositivo Enrutador de banda ancha a través de su página Web de configuración.
- No es posible cambiar el puerto del servidor de política Silverlight de un codificador de vídeo de red.
- Puede cambiar los puertos del codificador de vídeo de red a excepción del puerto del servidor de política a través de sus páginas Web de configuración.

conexión y configuración de la red

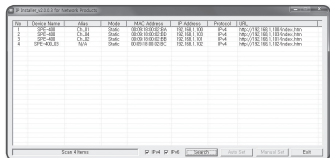
Ej.) Si el codificador de vídeo de red (SPE-400) está conectado al enrutador:



- El enrutamiento de puerto se puede hacer sin una configuración adicional del router si este está adaptado para la función UPnP (Universal Plug and Play). Después de conectar el codificador, configure <Conexión rápida> de <DDNS de Samsung> a <Act> en el menú "Setup → Network → DDNS".

CONEXIÓN AL DISPOSITIVO DE RED DESDE UN PC LOCAL COMPARTIDO

1. Ejecute IP Installer.
Busca dispositivos de red conectados y los muestra en la lista.
2. Haga doble clic en el dispositivo de red al que va a conectar.
El explorador de Internet se inicia y conecta al dispositivo de red.



- También puede acceder al codificador de vídeo introduciendo en la barra de direcciones del explorador de Internet la dirección IP del dispositivo de red encontrado.

CONEXIÓN AL CODIFICADOR DE VÍDEO DE RED DESDE UN PC REMOTO A TRAVÉS DE INTERNET

Debido a que no se permite utilizar IP Installer en un ordenador remoto que no se encuentre en un grupo de red del enrutador de banda ancha, los usuarios pueden acceder a los codificadores de vídeo de red dentro de una red de enrutador de banda ancha utilizando el URL de DDNS del codificador de vídeo de red.

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

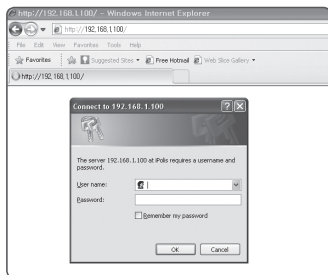


- Para registrar los ajustes de DDNS, consulte "**Registro con DDNS**". (página 61)

CONEXIÓN DEL CODIFICADOR DE VÍDEO DE RED

Procedimiento normal

1. Inicie el explorador de Internet.
2. Introduzca la dirección IP del codificador de vídeo de red 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) : 2001:0230:abcd:ffff:0000:0000:ffff:1111
→ http://[2001:230:abcd:ffff::ffff:1111]
- Debe aparecer el diálogo de inicio de sesión.



Si el número de puerto HTTP no es 80

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

Utilización del URL

1. Inicie el explorador de Internet.
2. Introduzca el URL de DDNS del codificador de vídeo de red en la barra de direcciones.
ej.) Dirección URL : http://www.samsungipolis.com/ID de producto
- Debe aparecer el diálogo de inicio de sesión.



- La conexión de red está desactivada en el entorno LAN.

Para comprobar la dirección de DDNS

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

Si este es el caso, no se le informará de la dirección IP modificada por el DDNS.

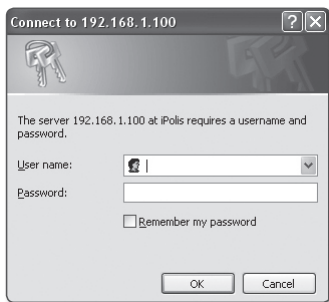
Una vez que registre el dispositivo con IP dinámica en el servidor DDNS, puede fácilmente cambiar la IP modificada cuando intente acceder al dispositivo.

Para registrar el dispositivo en el servidor de <DDNS>, entre en www.samsungipolis.com y registre primero el dispositivo y, a continuación, establezca <Network> - <DDNS> de Web Viewer en <DDNS de Samsung>, y facilite el <ID de producto> utilizado durante el registro de DDNS.

INICIO DE SESIÓN

Siempre que acceda al codificador, aparecerá la ventana de inicio de sesión. Introduzca la identificación 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 **"4321"** en el cuadro de entrada <Password>.
Si se cambia la contraseña, introduzca en su lugar la contraseña modificada.
3. Haga clic en [OK].
Si ha iniciado sesión correctamente, verá la pantalla de Live Viewer.



- El ID predeterminado de usuario es **"admin"** y la contraseña es **"4321"**.
- Por razones de seguridad, asegúrese de cambiar la contraseña en <System> - <Usuario>.
- 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.
- Si marca la opción **"Remember my password"** una vez realizada la entrada, la próxima vez se iniciará sesión automáticamente sin que se le pida introducir la información de inicio de sesión.



- Podrá disfrutar de la mejor calidad de vídeo si el tamaño de pantalla es del 100%. Si se reduce la relación existe el riesgo de cortar la imagen en los bordes.

INSTALACIÓN DE SILVERLIGHT RUNTIME

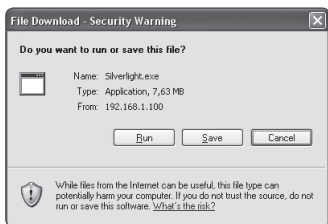
Si su PC no ha instalado Silverlight Runtime o ha instalado una versión antigua, se le redirigirá automáticamente a la página de instalación de Silverlight Runtime al acceder a Web Viewer.

Para instalar un sistema operativo Windows

1. Haga clic en **<Click Here>**.



2. Cuando aparezca el diálogo de descarga del archivo, haga clic en **<Run>**.



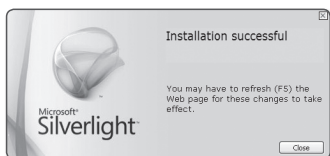
3. Una vez completada la descarga, haga clic en **<Run>**.



4. Aparecerá la página de instalación de Silverlight Runtime. **<Install now>** para continuar con la instalación.



5. Una vez hecho, haga clic en **<Close>**.



Para instalar un sistema operativo MAC

1. Ejecute el archivo con la extensión “.dmg”.



2. Ejecute automáticamente el archivo del paquete de instalación creado con la extensión “.pkg”.



3. Haga clic en **<Continue>**.



web viewer

4. Seleccione el idioma en la pantalla de selección de idioma y haga clic en **<Continue>**.



5. Haga clic en **<Agree>**.



6. Haga clic en **<Install>**.



7. Introduzca la contraseña de la cuenta con la que ha iniciado sesión y haga clic en **<Install Software>** y continuar.



8. Una vez completado, haga clic en **<Close>**.



INSTALACIÓN DEL PLUGIN STW WebViewer

Si se conecta a un codificador por primera vez, se muestra el mensaje de instalación. A continuación, instale el plugin WebViewer para acceder al codificador y manipular el vídeo desde el mismo en tiempo real.

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

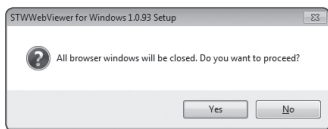


- Si el estado de la descarga del archivo plug-in de instalación se suspende en el 99% en el navegador Internet Explorer, vuelva a intentarlo tras seleccionar "Release SmartScreen filter" en "Tool → SmartScreen filter".

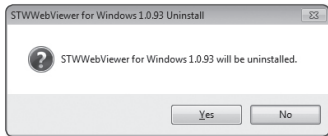
2. Haga clic [**Run**] en la ventana de mensaje.



3. Haga clic [**Yes**] cuando aparezca una ventana que notifica que se cerrarán todas las ventanas del navegador.

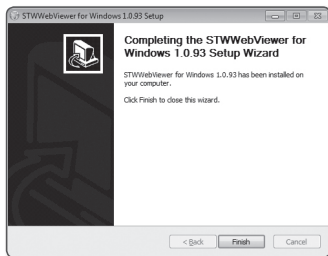
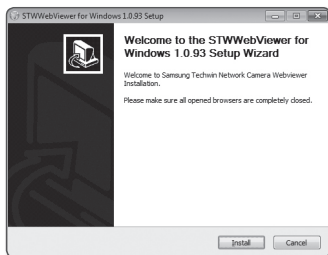
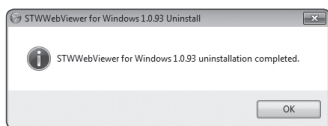


4. Cuando está instalada la antigua versión del Web Viewer Plug-in, se muestra una ventana de aviso que la versión antigua se borrará la pantalla. Haga clic [**Yes**] cuando la ventana de aviso aparece en la pantalla.



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

5. Haga clic en **[OK]**.
La versión anterior del Plug-in Web Viewer se elimina.
6. Haga clic en **[Install]** para iniciar la instalación del Plug-in Web Viewer.
7. Haga clic en **[Finish]**.
La instalación del Plug-in STW Web Viewer se ha completado.



UTILIZACIÓN DE LA PANTALLA EN DIRECTO



Elemento	Descripción
1 Vigilancia	Va a la pantalla de supervisión.
2 Reproducción	Cambia a la pantalla de control que reproduce los datos de grabación de la memoria SD.
3 Config.	Va a la pantalla de configuración.
4 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.
5 Tipo de perfil	Puede seleccionar un tipo de perfil en <Perfil de vídeo> bajo el menú de configuración <Video & Audio>. ■ Cuando se conecte Web Viewer, aparece la información del perfil que se esté utilizando.
6 Optimización de la pantalla	El tamaño del video de la cámara se agrandará hasta adoptar el tamaño del explorador Web.
7 Fijar la resolución	Independientemente de la configuración de la resolución realizada en la cámara, establece la resolución en 640x480. Se pulsa de nuevo para cambiar a la resolución predeterminada.

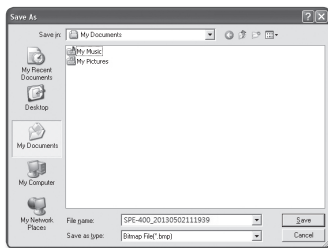
Elemento	Descripción
8 Pantalla completa	Cambia el vídeo actual al tamaño máximo del monitor.
9 Captura	Guarda la instantánea como un archivo de imagen en formato .bmp o .jpg.
10 Control de audio / micrófono	Enable Audio and Microphone are control the Audio volume. (Sólo CAN 1 activado) ■ Sólo puede controlar el volumen del audio.
11 Salida de alarma	Activa el puerto de salida de la alarma.
12 PTZ externo	Conecte el PTZ externo al terminal RS-485 y coloque la dirección del lente de la cámara PTZ según las flechas direccionales. ■ Las operaciones de panorámica/inclinación sólo se activarán si la cámara está conectada a un receptor que admita panorámica/inclinación.
13 Ocultar el menú contextual	El menú contextual de la esquina izquierda desaparecerá y sólo queda el icono del menú.

Para capturar la instantánea

- Haga clic en **[Captura ()]** en la escena que va a capturar.
Debe aparecer el diálogo de captura.
- Confirme la ruta de almacenamiento y haga clic en el botón **[Save]**.
La captura se guardará en la ruta especificada.



- Si se interrumpe un vídeo al capturar la imagen con IE8 en un PC con Windows 7, anule la selección **"Activar modo protegido"** en **"Herramientas – Opciones de Internet – Seguridad"**.
- Si la pantalla no es capturada por el navegador IE en Windows 7 o 8, ejecute el navegador IE mediante el administrador.



Para ocupar la pantalla completa

1. Haga clic en el botón **[Pantalla completa ()]**.
2. Con esto el Visor ocupará toda la pantalla.
3. Para salir del modo de pantalla completa, pulse **[Esc]** en el teclado.



- En el explorador Internet Explorer y Google Chrome, puede cambiar a pantalla completa.

Uso del audio

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

Uso del micrófono

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

Para controlar PTZ

1. Haga clic en la pestaña **[PTZ ()]**.
2. Cuando aparezca en pantalla el icono de PTZ, utilice los botones de dirección para ajustar el ángulo de la cámara, el factor de zoom o el enfoque a su gusto.



- Para obtener información adicional sobre el uso de PTZ, consulte “**Conf. Externo PTZ**”. (pagina 55)

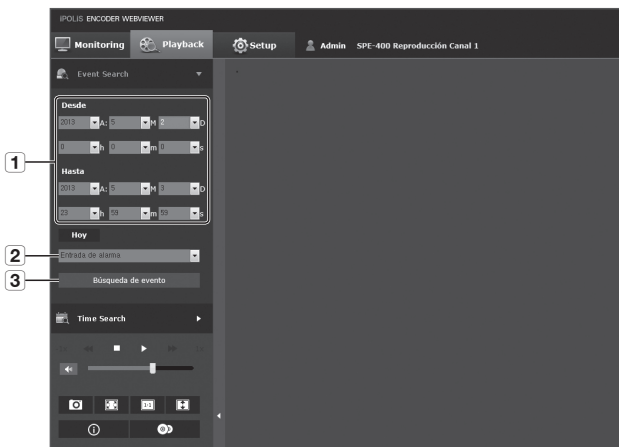


REPRODUCCIÓN DE VÍDEO



- Para poder ver el vídeo, debe configurar los ajustes de grabación. Para más detalles sobre la configuración de la grabación, consulte **"Almacenamiento"**. (página 68)

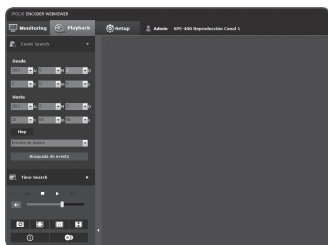
Nombre de pantalla de búsqueda de tema y su función



Elemento	Descripción
1 Ajuste del margen de búsqueda	Ajuste la fecha y hora de búsqueda de los datos guardados en la tarjeta de memoria SD.
2 Configuración de la búsqueda por evento	Configure el tipo de evento que quiere buscar en las fechas de búsqueda.
3 Búsqueda de evento	Realice la búsqueda de evento.

Se reproduce un contenido después de buscar por evento

1. Haga clic en la pestaña [**Playback** (🎬)].
2. Especifique la hora de inicio y la hora de fin de su búsqueda.
3. Seleccione un tipo de evento para buscar dentro del período especificado.
4. Haga clic en el botón [**Búsqueda de evento**].
Los resultados de búsqueda aparecerán en la lista.

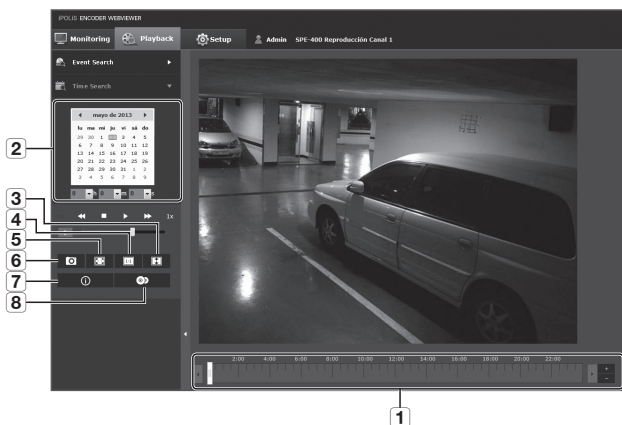


- Si se han grabado más de 800 eventos en el período de búsqueda, la búsqueda se limitará a la fecha en la que se grabó el evento número 800.
Por ejemplo, si el período de búsqueda se encuentra entre el día 10 y 15 del mes y se registraron más de 800 eventos entre el 10 y el 11, la búsqueda se limitará hasta el día 11 con un total de 800 eventos, y no se buscarán los eventos posteriores (a partir del día 12).

5. Seleccione un elemento de la lista de búsqueda para reproducirlo.
6. Haga clic en el botón [**Reproducir** (▶)].
7. Para detener la reproducción del vídeo, haga clic en [**Parar** (■)].
8. Para volver a la pantalla de búsqueda, haga clic en [**Salir** (↶)].



Nombre de pantalla de búsqueda de hora y su función



Elemento	Descripción
1 Barra de tiempo	La sección contenida en las fechas específicas se reproduce moviendo la barra de tiempo.
2 Configuración de la fecha de búsqueda	Ajuste la fecha de búsqueda a través del calendario. Las fechas para las que existe vídeo en la tarjeta de memoria SD se muestran en las casillas del calendario.
3 Optimización de pantalla	La imagen de la cámara se ajusta a la ventana del navegador Web.
4 Fijar la resolución	Independientemente de la configuración de la resolución realizada en la cámara, establece la resolución en 800x600. Se pulsa de nuevo para cambiar a la resolución predeterminada.
5 Pantalla completa	La imagen actual ocupa el tamaño máximo del monitor.
6 Captura	La imagen se guarda como archivo jpg o bmp.

Elemento	Descripción
7 Información del vídeo	En la pantalla se muestra la hora del vídeo reproducido.
8 Copia de seguridad	configura para realizar una copia de seguridad del vídeo guardado en la tarjeta de memoria SD. Se pueden configurar hasta 5 minutos.

Para reproducir después de buscar por hora

- Haga clic en la pestaña [Time Search ()].

- Haga clic en la fecha que desee en el calendario.
Se reproducirá el vídeo de la fecha especificada.

- Si se detiene la reproducción del vídeo, seleccione la hora y haga clic en [Reproducir ()].
Se reproducirá el vídeo de la hora seleccionada.

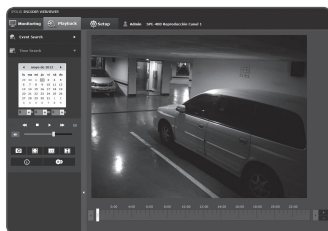
- Mientras se esté reproduciendo el vídeo, se mostrará el tiempo de grabación del vídeo actual.

- Busque vídeo adelante o atrás y controle la velocidad de reproducción.

- Para controlar la velocidad de reproducción
Si se selecciona , el botón cambiará a x1, x2, x4, x8, y la velocidad de reproducción aumentará en consecuencia.
Cuando se selecciona el botón  la velocidad de reproducción disminuye a -1x, -2x, -4x y -8x, y dicha velocidad disminuye gradualmente. Entonces, la velocidad de reproducción rápida vuelve a la velocidad normal y aumenta la velocidad de reproducción inversa.
- Para controlar la dirección de reproducción
Si ve el botón  con la velocidad de reproducción mostrada, el vídeo se reproducirá hacia delante. Mientras tanto, si ve el botón  con la velocidad de reproducción mostrada, el vídeo se reproducirá hacia atrás.

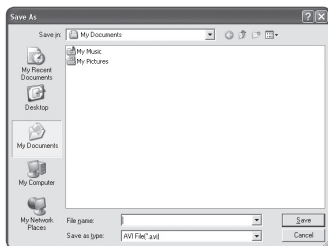
- Mueva [Barra de tiempo ()] al punto temporal del vídeo deseado antes de reproducirlo.

La hora que contiene un archivo de grabación aparecerá resaltada en azul; la hora con la grabación de evento se resaltará en rojo.



Para hacer una copia de seguridad del vídeo buscado

1. Durante la reproducción, haga clic en [] en la escena de la va a guardar copia de seguridad.
Aparece la ventana de programación de la hora de inicio y fin de la copia de seguridad.
2. Haga clic en el botón [].
Aparecerá la ventana Guardar como.
3. Confirme la ruta de almacenamiento y haga clic en el botón **[Save]**.
Se hará una copia de seguridad de la captura en la ruta especificada.



Para reproducir vídeo de copia de seguridad

Estas imágenes se guardan en formato .avi. Se recomienda el uso del Gom Player, VLC Player y del Reproductor de Window Media como reproductores de medios compatibles con este formato.



- En el caso del Reproductor de Windows Media, descargue el programa más reciente de www.windows7codecs.com e instálelo antes de utilizar el reproductor.

Reproducción de un archivo AVI



- El archivo AVI no contiene datos de tiempo de grabación.

1. Separe la tarjeta de memoria SD del codificador.



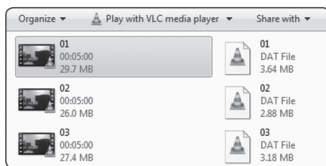
- Antes de separar la tarjeta de memoria SD, configure el <Dispositivo> a <Des> en el menú "Setup → Event → Almacenamiento".

2. Introduzca la tarjeta de memoria SD en el PC.

3. Reproduzca el archivo AVI en el directorio "`\\ch00\\img\\YYYY_MM_DD`" mediante el reproductor correspondiente.



- El nombre del archivo empieza por "01.avi" y el número del archivo va incrementándose en 1.
- Una vez dañados, los datos de la tarjeta de memoria SD no se pueden volver a reproducir en el reproductor de Web Viewer.



pantalla de configuración

CONFIGURACIÓN

Puede configurar el vídeo y el audio, la red y los parámetros de evento y sistema del codificador en la red.

1. En la pantalla en directo, haga clic en **[Setup ()]**.

2. Aparece la pantalla de configuración.

-  Es necesario instalar Microsoft Silverlight 5.0 o superior en el PC. Para su configuración, consulte las páginas sobre previsualización de vídeo.
Si no está instalado, va automáticamente a la configuración de Silverlight.

CONFIGURACIÓN DE VÍDEO Y AUDIO

Perfil de vídeo

1. En el menú de configuración, seleccione la ficha **<Video & Audio ()>**.

2. Haga clic en **<Perfil de vídeo>**.

3. Establezca la **<Política de conexión de perfiles de vídeo>**.

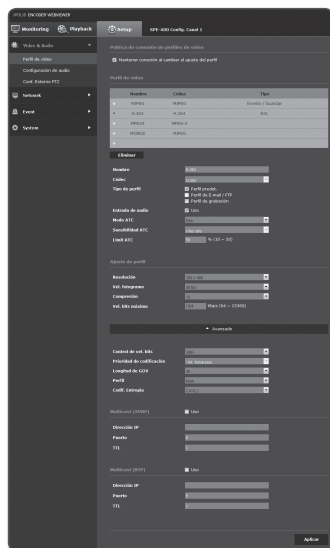
- Mantener conexión al cambiar el ajuste del perfil : El cambio de propiedades del perfil utilizado en la conexión existente no afecta a dicha conexión y permanece con la configuración del perfil antiguo. Si no se selecciona, el cambio del perfil utilizado en una conexión existente reinicia dicha conexión.

4. Seleccione las propiedades de cada perfil.

Para obtener más detalles, consulte **"Para añadir / modificar un perfil de vídeo"**. (página 53)

5. Haga clic en el cuadro de entrada de cada elemento e introduzca / seleccione el valor que desee.

- 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.



pantalla de configuración

- 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.
 - Perfil de grabación : éste es el perfil que se aplica a la grabación de vídeo.
 - Entrada de audio : sets whether to use audio for video recordings.
6. Según la situación, establezca el modo ATC (control automático de transmisión).

- Modo ATC : ajusta las propiedades de vídeo según la varianza en el ancho de banda de la red, controlando la velocidad de bits. El ajuste de la velocidad de bits depende del modo ATC.



- Controlar vel. fot. : reduce la velocidad de fotogramas si cae el ancho de banda de red.
- Controlar compresión : controla la velocidad de compresión si cae el ancho de banda de red.
El ajuste de compresión puede causar el deterioro de la calidad de la imagen.
- Si <Control de vel. bits> se define en <CBR>, la prioridad de codificación según el modo ATC se establecerá como se indica a continuación:

Control de vel. bits / Modo ATC	Controlar vel. fot.	Controlar compresión
CBR	Vel. fotograma	Compresión

- Sensibilidad ATC : afecta a la velocidad de transferencia según la varianza del ancho de bando de red.
La velocidad de transferencia se ajustará a la más alta si el ancho de banda es <Muy alta>, y se ajusta a la más baja si el ancho de banda es <Muy baja>.
- Limit ATC : si se ajusta la calidad o la velocidad de fotogramas, la propiedad cambiará al valor aplicado (%) frente el valor de ajuste anterior (100%).
Tenga en cuenta que si reduce demasiado el valor de propiedad, es posible que la pantalla parpadee. Por tanto, se recomienda ajustar el valor dentro del umbral.



- Se recomienda aplicar control ATC solo para los codificadores compatibles con ATC.
- Ajuste la sensibilidad de ATC en <Muy baja> en un entorno de red con alta varianza en el ancho de banda de red.
- Si la conexión de red es inestable, es posible que la pantalla parpadee.

7. 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. Seleccione una opción en **<Perfil de vídeo>**.
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.
Haga clic en **<Avanzado>** para ver el menú contextual.
 - Resolución : Configure el tamaño de vídeo de los archivos MPEG-4, H.264 y MJPEG.
 - Vel. fotograma : especifica la velocidad de fotogramas.
 - Compresión : especifica la velocidad de compresión del vídeo.
 - Vel. bits máxima : especifica la velocidad de bits máxima del vídeo.



- 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.

- Control de vel. bits : Para la compresión, puede seleccionar entre velocidad de bits constante y velocidad de bits variable. La velocidad de bits constante (CBR) altera la calidad del vídeo y fija la velocidad de bits de transferencia en red, mientras que la velocidad de bits variable da prioridad a la calidad variando la velocidad de bits de la transferencia de red.



- Si el control de velocidad en bits se configura como velocidad en bits constante, la velocidad de fotograma de transmisión real puede ser inferior a la velocidad de fotograma fijada, ya que el primer modo de velocidad de fotograma cambia al primer modo de índice de compresión para garantizar la máxima calidad de imagen a una velocidad en bits que se ajusta según la complejidad del sistema.
- Velocidad de bits de destino : Especifique la velocidad de bits para la transferencia de vídeo.
- Prioridad de codificación : puede definir el método de transferencia de vídeo en Vel. fotograma o Compresión.
- Longitud de GOV : Indica la distancia (en terminus de número de marcos) entre dos I-Frames consecutivos en una secuencia de video cuando se ha seleccionado el codec H.264. (Un I-Frame + 0~varios P-Frames)
- Perfil : puede seleccionar el método de perfiles H.264.
- Codif. Entropía : reduce posibles pérdidas de compresión debido a la codificación.
- Multicast (SVNP) : especifica el uso del protocolo SVNP.
 - Dirección IP : introduzca una dirección IPv4 con la que puede conectar a la red IPv4.
 - Puerto : especifica el puerto de comunicaciones de vídeo.
 - TTL : permite definir TTL para el paquete SVNP.

pantalla de configuración

- Multicast (RTP) : permite especificar el uso del protocolo RTP.
 - 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.

¿Cuál es la longitud de GOV?

GOV (Grupo de planos de objetos de vídeo) es un conjunto de cuadros de vídeo para compresión MPEG-4 y H.264 que indica un conjunto de cuadros desde el cuadro I inicial (cuadro de clave) al siguiente cuadro I.

GOV se compone de 2 tipos de fotogramas: I-Frame y P-Frame.

I-Frame es el fotograma básico para la compresión, también conocido como fotograma principal, que contiene los datos completos de la imagen. El P-Frame sólo contiene los datos que se han cambiado en relación con el I-Frame precedente.

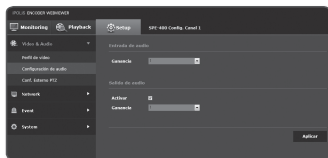
Para códec MPEG-4 y H.264, puede determinar la longitud del GOV.

Configuración de audio

Puede configurar los parámetros de E/S de la fuente de audio desde el codificador.

- La E/S de audio se puede realizar sólo en el canal 1.

1. En el menú de configuración, seleccione la ficha <Video & Audio ()>.
2. Haga clic en <Configuración de audio>.
3. Establezca el valor de entrada de audio.
 - 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.
4. 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.
 5. Una vez hecho, haga clic en [Aplicar ()].

Conf. Externo PTZ

Configure el valor de conexión para que una cámara PTZ externa controle el sistema PTZ mediante la conexión RS-485 de la cámara.

1. En el menú de configuración, seleccione la ficha <Video & Audio ()>.

2. Haga clic en <Conf. Externo PTZ>.

3. Especifique el puerto serie.

Una vez conectada una cámara, puede configurar el modo de comunicación RS-485.

- Protocolo : Seleccione el mismo protocolo de su cámara entre:
SAMSUNG-T / SAMSUNG-E / PELCO-D / PELCO-P / SUNGJIN / PANASONIC / HONEYWELL / AD / VICON / GE / BOSCH.
- 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.

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

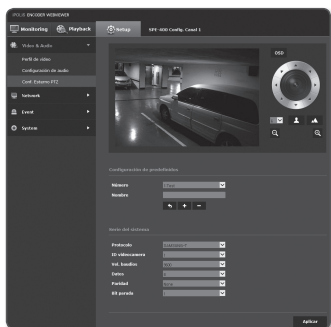


- Para hacer esto, debe asegurarse que la cámara y el dispositivo están bien conectados mediante los puertos de comunicaciones RS-485. Además, el puerto de serie de la cámara conectada debe funcionar correctamente.

5. Configure el menú de la cámara conectada.

Para más detalles, consulte el apartado “Configurar el menú de la cámara”. (Página 57)

6. Haga clic en el botón <PTZ> en la esquina superior derecha y vaya al menú de configuración de PTZ.



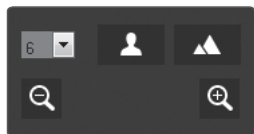
pantalla de configuración

7. Ajuste la dirección.

- **[Cambiar dirección a () / () / () / () / () / () / ()]** : La dirección de la cámara se ajusta.
- **[Control de velocidad de movimiento ()]** : Cuanto más alto sea el número, más rápida será la velocidad de movimiento.

8. Establezca el zoom y el enfoque.

- **[Acercar zoom ()]** : Aplica el zoom en pantalla.
- **[Alejar zoom ()]** : Aleja el zoom en pantalla.
- **[Ajustar enfoque ( / )]** : ajusta el enfoque en pantalla.
- **[Control de velocidad de zoom ()]** : Cuanto más alto sea el número, más rápida será la velocidad del zoom.



9. Ajuste la posición predefinida.



- Solo se puede controlar la panorámica/inclinación/zoom cuando los puertos de comunicación RS-485 de la cámara y el dispositivo están conectados y la <Config. serie> es normal.

Para añadir una posición predefinida

1. Seleccione el número de posición predefinida que va a añadir.
2. Defina el nombre de la posición predefinida.
3. Pulse el botón [].

Para suprimir una posición predefinida

1. Seleccione el número de posición predefinida que va a añadir.
2. Pulse el botón [].

Para mover la posición predefinida

1. Seleccione un número de predet. que desee mover.
2. Pulse el botón [].

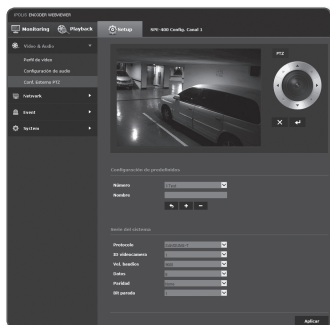
Configurar el menú de la cámara

Ejecute el visor web para recuperar el menú de configuración de la cámara y cambiar la configuración.

1. Haga clic en el botón <OSD> en la esquina superior derecha y vaya al menú de configuración de OSD.
2. Haga clic en el botón [▲ / ▼] para ir a la opción deseada.
3. Haga clic en el botón [✕] o el botón [←] para desplazarse por el menú o cancelar.



- El menú de la cámara puede ser diferente según el tipo de cámara que se haya conectado.

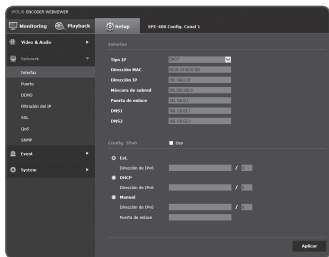


pantalla de configuración

CONFIGURACIÓN RED

Interfaz

1. En el menú de configuración, seleccione la ficha <Network (🖨️)>.
2. Haga clic en <Interfaz>.
3. Defina <Interfaz> y <Config. IPv6> según sea necesario.
 - Tipo IP : selecciona un tipo de conexión IP.
 - Manual : especifica la dirección IP, la máscara de subred, la puerta de enlace, DNS1 y DNS2.
 - DHCP : especifica DNS1 y DNS2.
 - PPPoE : especifica DNS1, DNS2, 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).
4. Establezca el <Config. IPv6>.
 - Defínalo en <Usó> 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.
 5. Una vez hecho, haga clic en [Aplicar (Aplicar)].



- 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 (Aplicar)] para aplicar los cambios y se saldrá del explorador. Tras un instante, conecte de nuevo con la IP modificada.

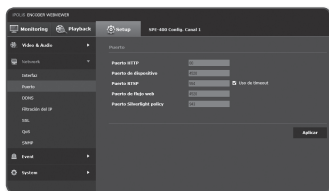
Puerto

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

2. Haga clic en **<Puerto>**.

3. 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.
- Puerto HTTP : Puerto HTTP usado para acceder al codificador a través del visor 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.
- Puerto de dispositivo : Define un puerto que se utilizará para transferir señales de video con protocolos Samsung.
- Puerto RTSP : Se utiliza para transferir vídeos en el modo RTSP; el valor predeterminado es 554.
- Puerto de flujo web : Se utiliza para transferir vídeos en Web Viewer; el valor predeterminado es 4520.
- Puerto Silverlight policy : Silverlight se utiliza para poder adquirir una conexión de red; el valor predeterminado es 943.



- 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.)
- El rango de puertos de Web Streaming se encuentra entre 4502 y 4534. Si el puerto del dispositivo se encuentra en este rango efectivo, el puerto de Web Streaming debe especificarse de igual forma que el puerto del dispositivo.
- No es posible cambiar el puerto del servidor de política Web Streaming/Silverlight de un codificador.

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

pantalla de configuración

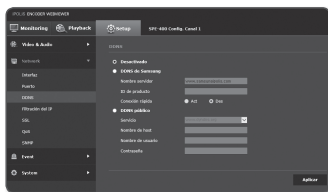
DDNS

DDNS es la abreviatura inglesa de Servicio Dinámico de Nombre de Dominio, que convierte la dirección IP de un codificador en un nombre de host general, de modo que el usuario puede recordarlo fácilmente.

1. En el menú de configuración, seleccione la ficha <Network ()>.
2. Haga clic en <DDNS>.
3. Seleccione el tipo de conexión <DDNS>.
4. Introduzca las opciones de DDNS según el tipo seleccionado.
 - DDNS de Samsung : se selecciona si utiliza el servidor de DDNS facilitado por Samsung Techwin.
 - ID de producto : introduzca el ID de producto registrado con el servicio DDNS de Samsung.
 - Conexión rápida : establece el reenvío automático de puertos cuando se utiliza con un enrutador compatible con UPnP (Universal Plug and Play).
 - DDNS público : seleccione uno de los servidores DDNS públicos que se facilitan cuando utilice un servidor DDNS público.
 - Servicio : 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 ()].



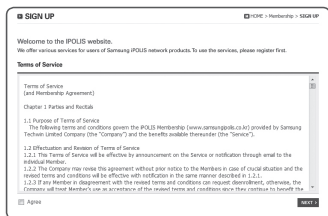
- Si se selecciona <Conexión rápida>, asegúrese de seleccionar el servicio DDNS de Samsung.



Registro con DDNS

Para registrar el producto con DDNS de Samsung

1. Visite el sitio Web de iPOLIS
(www.samsungipolis.com) y regístrese
con una cuenta creada.



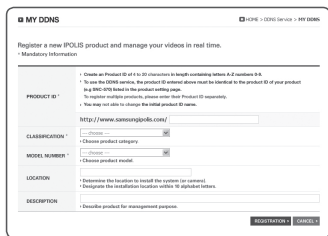
2. En la barra de menú superior,
seleccione **<DDNS SERVICE>**-
<MY DDNS>.



3. Haga clic en **[PRODUCT
REGISTRATION]**.
4. Introduzca el ID del producto.
 - Debe realizar una comprobación doble del ID
introducido.



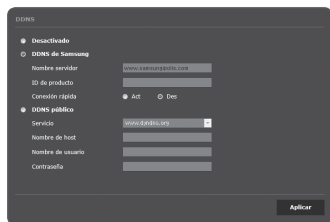
5. Seleccione una **<CLASSIFICATION>** y
especifique el **<MODEL NUMBER>**.
6. Especifique la ubicación del producto
con una descripción en caso necesario.
7. Haga clic en **[REGISTRATION]**.
El producto se añadirá a la lista de
productos que puede comprobar.



pantalla de configuración

Para conectarse al DDNS de Samsung en configuración de codificador

1. En la página de configuración de DDNS, defina <DDNS> en <DDNS de Samsung>.
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 públicos en configuración de 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 ()].

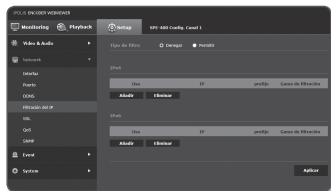


- Para utilizar debidamente el servicio DDNS, es necesario configurar tanto DDNS como el reenvío de puertos del enrutador. Para la configuración del reenvío de puertos, consulte "Configuración de reenvío del rango de puertos (Asignación de puertos)". (página 30)

Filtración del IP

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

1. En el menú de configuración, seleccione la ficha **<Network ()>**.
 2. Haga clic en **<Filtración del 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 **[Añadir (Añadir)]**.
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 Filtrado IP y **<Config. IPv6>** de **<Interfaz>** 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 **[Borrar (Eliminar)]**.
 7. Una vez hecho, haga clic en **[Aplicar (Aplicar)]**.



pantalla de configuración

SSL

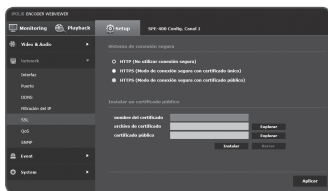
Puede seleccionar un sistema de conexión seguro o instalar el certificado público para este fin.

1. En el menú de configuración, seleccione la ficha **<Network ()>**.
2. Haga clic en **<SSL>**.
3. Seleccione un sistema de conexión seguro.

- Para acceder al codificador mediante el modo HTTPS, debe escribir la dirección IP del codificador en la forma "https://<Codificador_ IP>".

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, es necesario proporcionar un nombre de certificado (que puede asignar arbitrariamente el usuario), un archivo de certificado emitido por la autoridad de certificación y un archivo 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. Seleccione el archivo del certificado y su clave, y haga clic en el botón **[Instalar ()]**.

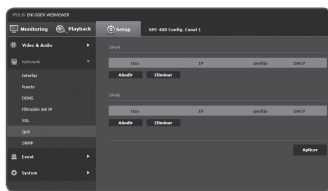
Eliminación del certificado

1. Haga clic en el botón **[Borrar ()]**.
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)>**.

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 <Network ()>.
2. Haga clic en <QoS>.
3. Haga clic en el botón [Añadir ()]. Se creará la lista de IP.
4. Introduzca una dirección IP a la que vaya a aplicar QoS.

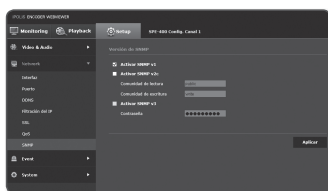


-  El prefijo predeterminado para IPv4 es 32. Para DSCP, el valor predeterminado se define en 63.
 - Sólo pueden priorizarse las direcciones IP definidas en <Uso>.
5. Seleccione una IP para borrarla de la lista. Haga clic en el botón [Borrar ()].
 6. Una vez hecho, haga clic en [Aplicar ()].

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 <Network ()>.
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>.



pantalla de configuración

- Activar SNMP v3 : se activará la versión 3 de SNMP.
 - Contraseña : especifique la contraseña predeterminada para la versión 3 de SNMP. La contraseña predeterminada es <**admin4321**>.
 - 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.

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



- SNMP v3 sólo puede definirse cuando el modo de conexión seguro sea HTTPS.
Consulte "SSL". (página 64)

CONFIGURACIÓN DE EVENTOS

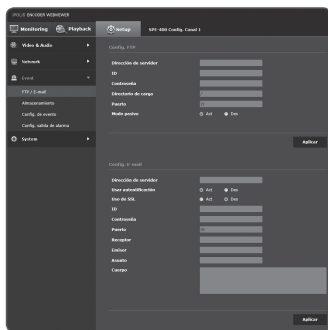
FTP / E-mail

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 <Event ()>.
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.



pantalla de configuración

• Config. E-mail

- Dirección de servidor : introduzca la dirección IP del servidor de correo electrónico a la que transferir las imágenes de la alarma o del evento.
- Usar autenticación : permite seleccionar si utilizar autorización.
- Uso de SSL : especifica el uso de SSL.
- 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 ()].

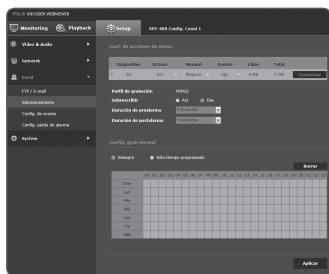
Almacenamiento

Puede ajustar las condiciones de grabación o el uso de grabación para la memoria SD, comprobar el tamaño de los datos almacenados o formatear la memoria SD propiamente dicha.

- Sólo se puede reproducir el contenido de la memoria SD en el canal 1. Los canales del 2 al 4 no admiten ni la grabación ni la reproducción de la memoria SD.

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

2. Haga clic en <Almacenamiento>.



Para realizar la grabación en la memoria SD

1. Compruebe el tamaño <Libre> y <Total> de la tarjeta de memoria.
2. Si no hay espacio libre suficiente, establezca el dispositivo en <Act>. De lo contrario, compruebe los datos almacenados y, si cree que no son importantes, haga clic en <Formatear> para formatear la memoria SD.
 - Pueden saltarse algunos cuadros si la tarjeta de memoria SD funciona a una velocidad inferior a la recomendada..
Para más detalles, consulte "**Características Recomendadas del Tarjeta de Memoria SD/SDHC**". (página 10)
 - En una tarjeta de memoria SD de gran capacidad, el formateo será lento.
 - El tráfico de datos aumenta cuando el codificador se configura a mayor resolución, una mayor velocidad de bits y/o mayor velocidad de cuadros.
Si hay mucho tráfico de datos, algunos fotogramas pueden omitirse aunque esté almacenado como un fotograma completo.
3. Especifique la acción de almacenamiento.
 - Perfil de grabación : muestra el tipo de códec del perfil de grabación.
 - Sobrescribir : si la memoria SD está llena, eliminará los datos antiguos y almacenará los datos nuevos que se introducen.
 - Duración de prealarma : especifique el punto en el tiempo antes de que se produzca la alarma; las imágenes se transferirán a partir de dicho momento. puede especificar hasta 5 segundos antes de que se produzca la alarma.
 - Duración de postalarma : especifique el punto en el tiempo después de que se produzca la alarma; las imágenes se transferirán hasta dicho momento. Puede especificar hasta 120 segundos después de que se produzca la alarma.
 - Normal: realiza una grabación a una velocidad de fotogramas concreta.
 - Evento: define el tipo de grabación para un evento concreto que suceda.
4. Especifique el <Config. grab normal>.
 - Siempre : guarde siempre el vídeo grabado en la tarjeta de memoria SD.
 - Si se define en Siempre, no es posible cambiar la hora de activación.
 - Sólo tiempo programado : sólo graba durante el tiempo y el día de la semana especificados.
 - [Borrar (**Borrar**)] : reinicia todos los ajustes.
5. Una vez hecho, haga clic en [Aplicar (**Aplicar**)].

pantalla de configuración

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 <Event ()>.

2. Haga clic en <Config. de evento>.

3. Seleccione <Entrada de alarma> en <Conf. de acciones de evento>.

4. Defina o no <Activar>.

5. Especifique un dispositivo de entrada.

- Tiop
 - 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.

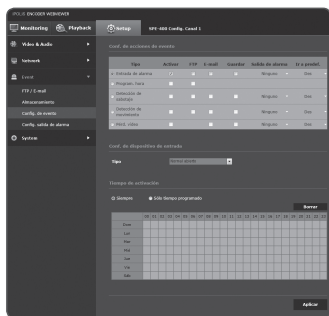
6. Especifique el <Tiempo de activación>.

- 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 periodo de tiempo especificado. Se activa en modo de funcionamiento cuando se produce una alarma.
- [Borrar ()] : reinicia todos los ajustes.

7. 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..
- E-mail : especifique el uso de la transferencia en email en la configuración de entrada de la alarma.
- Guardar : especifique el uso de la grabación en la configuración de entrada de la alarma.
- 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.
 - Sólo si se instala el receptor de panorámica/inclinación de cámara, estará disponible Ir a predef.

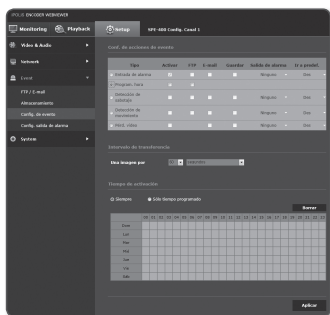
8. Una vez hecho, haga clic en [Aplicar ()].



Programación de hora

Puede definir guardar los datos de vídeo en un intervalo concreto según se haya programado independientemente de que se produzca realmente un evento.

1. En el menú de configuración, seleccione la ficha **<Event (📅)>**.
2. Haga clic en **<Config. de evento>**.
3. Seleccione **<Program. hora>** en **<Conf. de acciones de evento>**.
4. Defina o no **<Activar>**.
5. Especifique el **<Intervalo de transferencia>**.
6. Especifique el tiempo de activación y la condición de activación.
 - Para más información sobre **<Tiempo de activación>** y **<Acción>**, consulte "Entrada de alarma". (página 70)



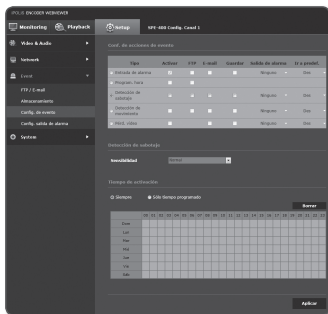
- El valor configurado del intervalo de transferencia debe ser inferior al intervalo de activación predeterminado para una buena transmisión de imágenes.
7. Una vez hecho, haga clic en **[Aplicar (Aplicar)]**.

pantalla de configuración

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 **<Event (🔒)>**.
2. Haga clic en **<Config. de evento>**.
3. Seleccione **<Detección de sabotaje>** en **<Conf. de acciones de evento>**.
4. Defina o no **<Activar>**.
5. Establezca la sensibilidad de detección de sabotaje.
Cuanto más alta sea la sensibilidad, con mayor facilidad se detectará el mínimo intento de sabotaje.
6. Especifique el tiempo de activación y la condición de activación.
 - Para más información sobre **<Tiempo de activación>** y **<Acción>**, consulte **"Entrada de alarma"**. (página 70)
7. Una vez hecho, haga clic en **[Aplicar (🔒)]**.



- Es posible que la función predeterminada de detección de sabotaje no funcione correctamente en los siguientes casos.
 - En circunstancias con fondo simple o de baja iluminación y durante la noche, es posible que descienda la sensibilidad de detección.
 - Una sacudida severa de la cámara o un cambio drástico en la iluminación puede considerarse por error una acción de sabotaje.
 - La detección del sabotaje puede tardar (máximo 5 segundos) justo después de realizar el sabotaje.
 - Una vez que se detecta el sabotaje, la cámara reanudará su funcionamiento normal tras cierto tiempo de estabilidad (aprox. 5 segundos) durante los cuales no se realizará ninguna detección.

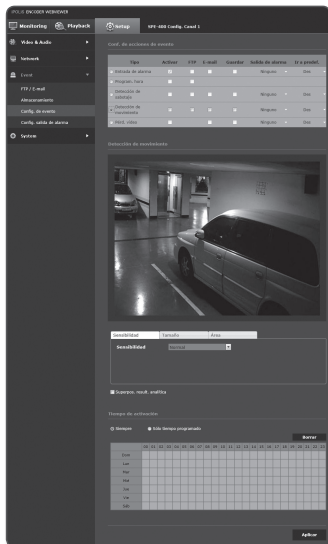
Detección de movimiento

Los temas de detección de movimiento se pueden configurar para activar la salida de señal de acontecimiento.

1. En el menú de configuración, seleccione la ficha <Event ()>.
2. Haga clic en <Config. de evento>.
3. Seleccione <Detección de movimiento> en <Conf. de acciones de evento>.
4. Defina o no <Activar>.
5. Establezca <Sensibilidad>, <Tamaño> y <Área>.
6. Establezca si utilizar <Superpos. result. analítica>.

Quando se detecta movimiento, su tamaño y posición se marca con un rectángulo en pantalla.

 - Verde: todos los objetivos se detectan como que están en movimiento.
7. Especifique el tiempo de activación y la condición de activación.
 - Para más información sobre <Tiempo de activación> y <Acción>, consulte "Entrada de alarma". (página 70)
8. Una vez hecho, haga clic en [Aplicar ()].



pantalla de configuración



- Antes de utilizarse, establezca los tamaños de movimiento mínimo y máximo para que se adapten al rango de movimiento deseado que se va a detectar.
- El tamaño detectado de un objeto puede diferir del tamaño real según sea su forma.
- Se pueden ver hasta 16 objetos desde el lado superior de la pantalla.
- En los casos siguientes, la función de detección de movimientos puede verse afectada o realizar una detección incorrecta.
 - El color o el brillo del objeto es similar al fondo.
 - Pequeñas actividades alrededor del área del borde del campo de visión de la cámara.
 - Continúan sucediendo de forma aleatoria varios movimientos debido al cambio de escena, a cambios rápidos de iluminación o a otras razones.
 - Un objeto fijo continúa moviéndose en la misma posición.
 - Movimientos con un cambio de posición menor como la aproximación a la cámara o la desaparición de la misma.
 - Un objeto en movimiento que se acerca demasiado a la cámara.
 - Un objeto se oculta tras otros objetos.
 - Dos o más objetos se superponen o un objeto se divide en varias partes.
 - Un objeto demasiado rápido (para la detección correcta, un objeto debe encontrarse solapado en fotogramas contiguos).
 - Reflejos / objetos borrosos / sombras debido a la luz potente como la luz directa del sol, la iluminación o faros.
 - Con fuertes tormentas de nieve, lluvia, viento o al amanecer / anochecer.

Para utilizar la detección de movimiento

Detecta un movimiento que cumple todas las condiciones especificadas en sensibilidad, tamaño y área.

1. Seleccione un modo de detección de movimiento.
2. Seleccione la ficha <**Sensibilidad**> para establecer el nivel de sensibilidad. Puede establecer la sensibilidad del sensor para detectar movimiento en el fondo del video de la vigilancia.



- En una situación en la que se distingan objetos en el fondo, establezca esta opción en un nivel de sensibilidad bajo. En el caso opuesto en el que resulte difícil distinguir objetos como en una situación de baja iluminación, establezca esta opción en un nivel alto.

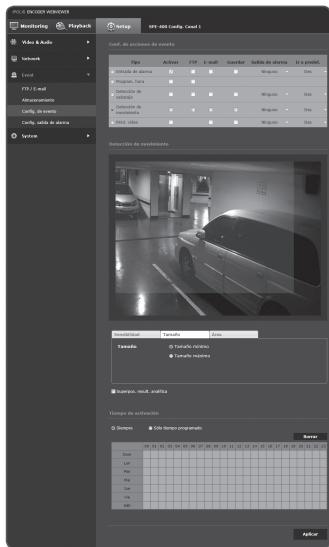
3. Seleccione la ficha <**Tamaño**>.

Puede eliminar el tamaño mínimo/máximo de movimiento que se va a detectar.

- **Tamaño mínimo:** Para establecer el tamaño mínimo de movimientos detectados, seleccione <**Tamaño mínimo**> y, a continuación, apunte y arrastre en la pantalla hasta el tamaño deseado utilizando el ratón.
- **Tamaño máximo:** Para establecer el tamaño máximo de movimientos detectados, seleccione <**Tamaño máximo**> y, a continuación, apunte y arrastre al tamaño deseado en la pantalla utilizando el ratón.



- Los movimientos con un tamaño menor al mínimo especificado o mayor al máximo no se detectan. Para evitar detecciones accidentales causadas por ruidos grandes o pequeños, establezca los tamaños de movimiento máximo y mínimo aproximadamente según el entorno. Observe que los mismos movimientos en la misma ubicación pueden seleccionarse diferentemente en su tamaño de detección; se recomienda tener en cuenta e incluir la diferencia tolerable al ajustar los tamaños de detección mínimo y máximo.



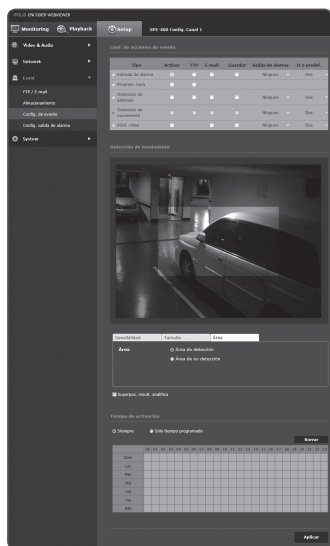
pantalla de configuración

4. Seleccione la ficha <Área>.

Puede especificar en pantalla un área que incluya o excluya el área en la detección.

Puede especificar hasta 4 áreas.

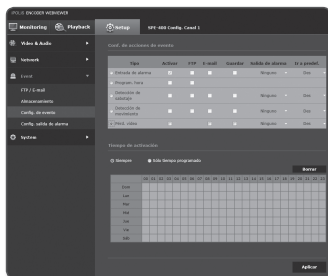
- Área de detección: Establece la pantalla completa como excluida de la detección y añade un área especificada como área de detección de movimiento. Seleccione 4 vértices de la imagen con el ratón para especificar el área de detección.
 - Área de no detección: Establece toda la pantalla completa como área de detección de movimiento y excluye el área especificada para que no se detecte nada. Seleccione 4 vértices de la imagen con el ratón para especificar el área de no-detección.
5. Para eliminar un área, haga clic con el botón secundario en la pantalla para abrir el menú contextual y seleccione Borrar y [Aceptar].
6. Una vez hecho, haga clic en [Aplicar (Aplicar)].



Pérd. vídeo

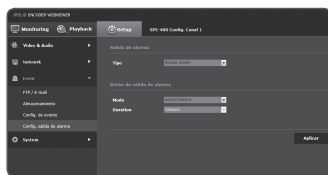
Puede definir la alarma que se va a generar si se produce la desconexión de una cámara y que produzca una pérdida de vídeo.

1. En el menú de configuración, seleccione la ficha **<Event (👤)>**.
2. Haga clic en **<Config. de evento>**.
3. Seleccione **<Pérd. vídeo>** en **<Conf. de acciones de evento>**.
4. Defina o no **<Activar>**.
5. Especifique el tiempo de activación y la condición de activación.
 - Para más información sobre **<Tiempo de activación>** y **<Acción>**, consulte "Entrada de alarma". (página 70)
6. Una vez hecho, haga clic en **[Aplicar (🔍)]**.



Configuración de salida de alarma

1. En el menú de configuración, seleccione la ficha **<Event (👤)>**.
 2. Haga clic en **<Botón de salida de alarma>**.
 3. Configure el tipo de 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 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".



pantalla de configuración

4. Establezca el botón de salida de alarma.
Esta configuración es para el botón de salida de alarma en la página de monitorización.
 - 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.
 - Duration: establece la duración que se mantiene activada la alarma si el modo es establece en pulso, de 1 a 15 segundos.
5. Una vez hecho, haga clic en [Aplicar ()].

CONFIGURACIÓN DEL SISTEMA

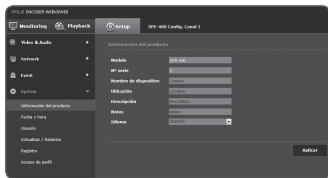
Información del producto

1. En el menú de configuración, seleccione la ficha <System ()>.
2. Haga clic en <Información del producto>.
3. Compruebe la información del codificador o proporcione detalles según su entorno de red.
 - Modelo : nombre del modelo del producto.
 - Nº serie : nº de serie del producto.
 - Nombre de dispositivo : facilite el nombre del dispositivo que aparecerá en la pantalla en directo.
 - Ubicación : especifique el lugar donde se va a instalar 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.



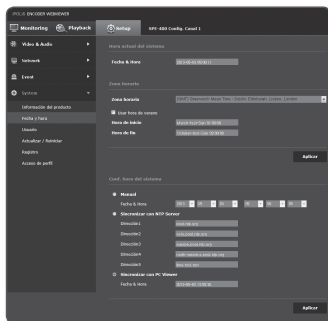
- El idioma predeterminado se define en <English>.

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



Fecha y hora

1. En el menú de configuración, seleccione la ficha <System (⚙️)>.
2. Haga clic en <Fecha y hora>.
3. Especifique la hora y fecha que se aplicarán 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.
 - Conf. hora del sistema : especifique la fecha y hora que se aplicará en el sistema.
 - Manual : especifique manualmente la hora.
 - Sincronizar con NTP Server : sincronice con la hora de la dirección de servidor especificada.
 - Sincronizar con PC Viewer : sincronice la hora con el PC conectado.
4. Una vez hecho, haga clic en [**Aplicar** (**Aplicar**)].



- Si selecciona <Sincronizar con PC Viewer>, la zona horaria estándar sería la misma que la zona horaria actual del PC.
- El ajuste de hora de cada uno de los 4 canales debe especificarse por separado. Si desea realizar la sincronización de hora, seleccione NTP o PC Sync (Sincr. hora).

pantalla de configuración

Usuario

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

2. Haga clic en <Usuario>.

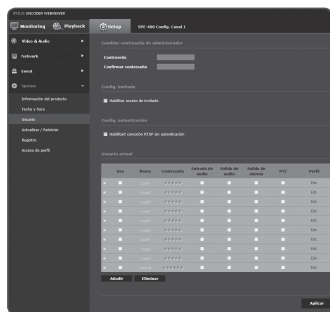
3. Facilite la información de usuario necesaria.

- Cambiar contraseña de administrador : Cambia la contraseña del administrador.
 - 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.
- 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 establecer los permisos para la entrada de audio, la salida de audio y la salida de alarma.
 - Perfil : si selecciona <Est.>, sólo puede ver el vídeo del perfil predeterminado; si se selecciona <Todos>, puede ver los vídeos completos del perfil.



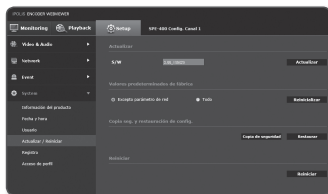
- Las funciones ONVIF disponibles para un usuario registrado con autorización para utilizar dichas funciones están limitadas a los usuarios con permisos concedidos para ello.
- Transferencia de vídeo y cambio de información de vídeo: establezca el perfil en <Todos>, y establezca la entrada de audio y la salida de audio.
- Transferencia de vídeo, cambio de información de vídeo, salida de alarma: establezca el perfil en <Todos> y seleccione el resto según sus preferencias.
- Control de PTZ : Seleccione <PTZ>.

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



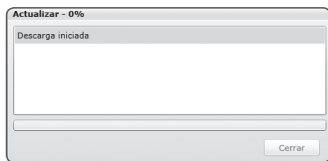
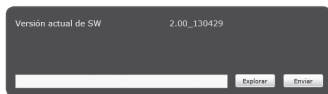
Actualizar / Reiniciar

1. En el menú de configuración, seleccione la ficha <System ()>.
2. Haga clic en <Actualizar / Reiniciar>.
3. Seleccione el elemento que desee y defínalo de la forma apropiada.
 - Actualizar : realiza la actualización del sistema.
 - Valores predeterminados de fábrica : reinicia el sistema con los valores predeterminados de fábrica.
 - Excepto parámetro de red : Inicie todos los parámetros de configuración excepto en la configuración de la red.
 - Todo : reinicie todos los parámetros, incluidos los del codificador. (no obstante, no se reiniciará la información de registro)
 - El sistema de direccionamiento IP adoptará la opción predeterminada DHCP si reinicia el codificador. Si no se encuentra el servidor DHCP, se recuperarán automáticamente los ajustes anteriores.
 - Copia seg. y restauración de config. : 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 [Actualizar].
2. Haga clic en [Explorar] y especifique un archivo para la actualización.
3. Haga clic en [Enviar].
4. Aparece el cuadro de diálogo "Actualizar" con la progresión en la parte inferior.
5. Una vez completada la actualización, salir del navegador y el codificador vuelve a iniciarse.



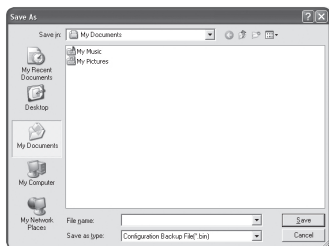
pantalla de configuración



- Es posible que el proceso de actualización tarde hasta 20 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 Samsung (www.samsungcctv.com).

Para hacer una copia de los ajustes actuales

1. Haga clic en **[Copia de seguridad]**. Debe aparecer el diálogo de Guardar como.
2. Especifique la ruta con un nombre de archivo adecuado y haga clic en **[Save]**. El archivo de copia de seguridad se guardará en la ruta especificada con el formato **“.bin”**.

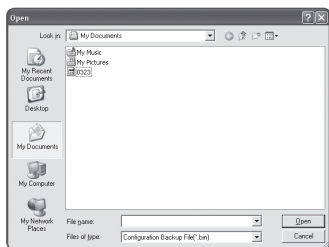


Para restaurar los ajustes de la copia de seguridad

1. Para restaurar los ajustes de copia de seguridad, haga clic en **[Restaurar]**.
2. Seleccione el archivo de copia de seguridad que desee y haga clic en **[Open]**.



- Si realiza la copia de seguridad o restauración, el navegador web se cierra y reinicia el codificador.

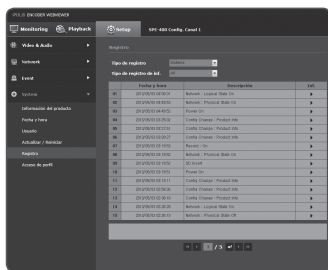


Registro

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

1. En el menú de configuración, seleccione la ficha <System ()>.
2. Haga clic en <Registro>.
3. Seleccione un tipo de registro.

- Sistema : puede comprobar los registros del sistema en los casos en los que se graben cambios del sistema incluida la información de hora.
- Evento : 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.



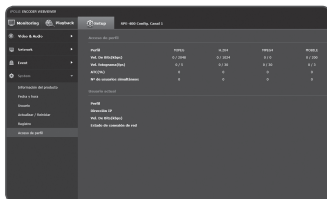
- Si desea ver los detalles de un registro, haga clic en [Inf. ()] en la columna derecha del registro; la información de registro se mostrará en el panel inferior.
- Cada página muestra 15 registros con el más reciente en la parte superior.
- La lista del registro de eventos/sistema puede contener hasta 1000 registros; pasado este número, los registros más antiguos se borrarán para dar entrada a los nuevos registros creados.

pantalla de configuración

Acceso de perfil

Puede comprobar la información del perfil.

1. En el menú de configuración, seleccione la ficha <System (⚙️)>.
 2. Haga clic en <Acceso de perfil>.
 - Acceso de perfil: muestra información del perfil recién añadido.
 - Perfil: muestra información del códec recién añadido.
 - Vel. De Bits(kbps): muestra la velocidad de bits real y la velocidad de bits definida.
 - Vel. fotograma(fps): muestra la velocidad de fotogramas real y la velocidad de fotogramas definida.
 - ATC(%): muestra el estado de ATC.
 - 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.
 - Vel. De Bits(kbps): muestra la velocidad de bits actual.
 - Estado de conexión de red: puede comprobar el estado de la conexión de red.
 - IP: muestra la dirección IP del usuario actual.
- Para comprobar información sobre el perfil usado, haga clic de nuevo en <Acceso de perfil> para actualizarlo.



ESPECIFICACIONES

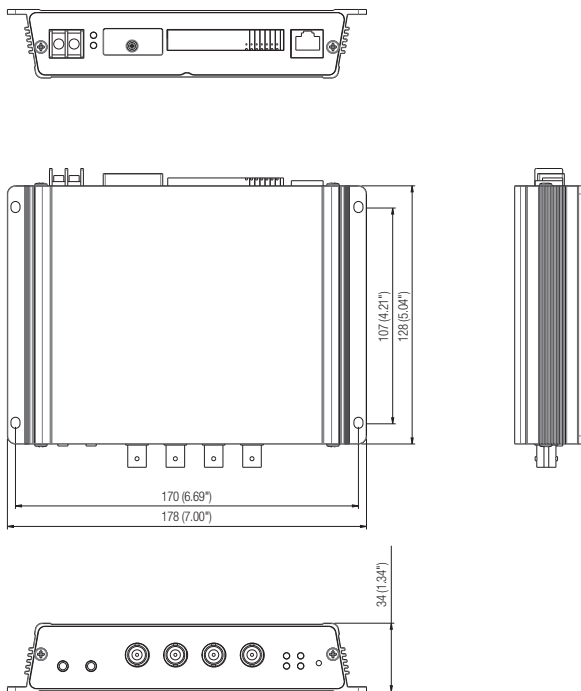
Opciones		Descripción
Funcionamiento	Entrada de vídeo	4CVBS : 1.0Vp-p / 75Ω compuesto, Detecc. Autom. de NTSC/PAL
	Filtro de interlizado	Integrated
	Pérd. vídeo	Detección de movimiento, Entrada de alarma, Pérd. vídeo, Sabotaje
	E/S alarma	Entrada 4ea / Salida 4ea (Relé)
	Interfaz de control remoto	4 RS-485 (Half Duplex)
	Protocolo RS-485	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch, Sungjin
Red	Ethernet	RJ-45 (10/100BASE-T)
	Formato de compresión de vídeo	H.264, MPEG-4, Motion JPEG
	Resolución	NTSC : 704x480, 640x480, 352x240, 320x240 PAL : 704x576, 640x480, 352x288, 320x240
	Velo. máx. de fotogramas	NTSC : 30fps Por canal en / PAL : 25fps Por canal en
	Ajuste de calidad de vídeo	H.264 / MPEG-4 : Nivel de compresión, Control de nivel de vel. de bits de destino Motion JPEG : Control de nivel de calidad
	Método de control de vel. de bits	H.264/MPEG-4 : CBR o VBR Motion JPEG : VBR
	Capacidad de flujo de datos	Flujo de datos múltiple (Hasta 10 perfiles por canal)
	E/S de audio	1 Entrada de línea / 1 Salida de línea (sólo se admite el canal 1)
	Formato de compresión de audio	G.711 μ -law
	Comunicación de audio	Bidireccional
	IP	IPv4, IPv6

apéndice

Opciones		Descripción
Red	Protocolo	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP
	Seguridad	Autenticación de inicio de sesión HTTPS(SSL) Autenticación de inicio de sesión Digest Filtro de dirección IP Registro de acceso de usuarios
	Método de flujo de datos	Unicast / Multicast
	Acceso máx. de usuarios	10 usuarios en modo Unicast
	Ranura de memoria	Ranura de memoria SD/SDHC (sólo se admite el canal 1)
	Compatibilidad ONVIF	Sí
	Visor Web	SO admitido : Window XP / VISTA / 7, Mac OS X (10.7 o superior) Navegador admitido : Internet Explorer (7.0 o superior), Firefox (9.0 o superior), Chrome (15.0 o superior), Safari (5.1 o superior)
Ambiental	Software de gestión central	SmartViewer 4.0, NET-i viewer
	Temperatura/humedad de funcionamiento	-0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 80% HR
Eléctrico	Tensión/corriente de entrada	12V CC
	Consumo de energía	Máx. 15 W
Mecánico	Color / Material	Plata/ Metal
	Dimensiones (An. x Al. x Pr.)	An 178.0 x Al 34.0 x Pr. 128.0 mm (7.00" x 1.34" x 5.04")
	Peso	562g

VISTA DEL PRODUCTO

Unidad : mm (pulg.)



SOLUCIÓN DE PROBLEMAS

PROBLEMA	SOLUCIÓN
No puedo acceder al codificador de vídeo de red desde un navegador web.	• Compruebe si los ajustes de Red del codificador de vídeo de red son válidos y correctos. • Asegúrese de que todos los cables de red se hayan conectado correctamente. • Si se conecta utilizando DHCP, verifique que el codificador de vídeo de red es capaz de adquirir las direcciones IP dinámicas sin ningún problema. • Si el codificador de vídeo de red está conectado a un enrutador, verifique que esté debidamente configurado el reenvío de puertos.
El Visualizador se desconecta durante el control.	• La conexión de Web Viewer existente puede caducar si el ajuste o la configuración de red del codificador de vídeo de red ha modificada por otro usuario. • Compruebe todas las conexiones de red. • La conexión de Web Viewer puede interrumpirse por un tráfico de red pobre o una situación defectuosa si el codificador de vídeo de red está conectado a una red PPPoE.
No se puede conectar al sistema mediante un navegador de Internet Explorer 7.0.	• Puede producirse un error cuando se conecta con una ventana o pestaña nuevas, ya que se comparten los datos de las cookies. No abra una nueva ventana o pestaña, seleccione "Archivo → Nueva sesión".
El codificador de vídeo de red conectado a la red no se detecta en el programa de IP Installer.	• Apague los ajustes del cortafuegos del PC y, a continuación, busque de nuevo el codificador de vídeo de red.
Se superponen imágenes.	• Compruebe si se han definido dos o más codificadores de vídeo de red en una sola dirección multicast en vez de direcciones diferentes. Si se utiliza una sola dirección para varios codificadores de vídeo de red, las imágenes se solaparán.
No aparece imagen.	• Si el método de transición se define en multicast, compruebe si hay un enrutador que admita multicast en la LAN a la que se conecta el codificador de vídeo de red.

PROBLEMA	SOLUCIÓN
No se puede grabar en la tarjeta de memoria SD.	• Compruebe si la tarjeta de memoria está defectuosa. • Compruebe si la lengüeta de protección contra escritura de la tarjeta de memoria está definida en "LOCK".
El indicador de memoria SD no se enciende incluso cuando se inserta la tarjeta de memoria SD.	• Compruebe si la tarjeta de memoria está defectuosa. • Compruebe si se ha marcado Grabar en el menú <Setup> → <Event> → <Almacenamiento>.
El codificador de vídeo de red no funciona incluso tras insertar una tarjeta de memoria SD.	• Compruebe si la tarjeta de memoria se ha insertado correctamente en la dirección apropiada. No se garantiza el funcionamiento de la tarjeta de memoria formateada con otro dispositivo. • Formatee de nuevo la tarjeta de memoria en el menú <Setup> → <Event> → <Almacenamiento>.
No se puede formatear la tarjeta de memoria SD.	• Compruebe si la lengüeta de protección contra escritura de la tarjeta de memoria está definida en "LOCK".

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Version 2.1, February 1999

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URL

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by M.I.T. but is also freely distributable. It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code. The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders. We are required to state that "The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."



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