

WISeNET

CONTROLADOR DE RED

Manual del usuario

SPC-7000

CE

Controlador de red

Manual del usuario

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Marca comercial

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

❖ La ID inicial del administrador es “admin” y la contraseña debe establecerse al iniciar sesión por primera vez.

Por favor, cambie su contraseña cada tres meses para proteger la información personal y para evitar los daños de un posible robo de información.

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

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

1. Lea estas instrucciones.
2. Consérvelas.
3. Atente para todas las advertencias.
4. Siga todas las instrucciones.
5. No utilice este aparato cerca del agua.
6. Limpie el área contaminada en la superficie del producto con un paño seco y suave o un paño húmedo.
(No utilice detergente o productos cosméticos que contengan alcohol, disolventes o tensioactivos o constituyentes de aceites, ya que pueden deformar o dañar el producto).
7. No obstruya ninguna apertura de ventilación. Instale el aparato siguiendo las instrucciones del fabricante.
8. No lo instale cerca de ninguna fuente de calor como radiadores, focos de calor o cualquier otro aparato (incluidos los amplificadores) que emita calor.
9. No olvide que la finalidad de los enchufes polarizados o de toma a tierra es proporcionar 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.

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.
- Use guantes protectores cuando instale/desinstale la cámara.
La alta temperatura de la superficie del producto puede causar quemaduras.

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

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

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

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descripción

CARACTERÍSTICAS PRINCIPALES

El controlador de red SPC-7000 controla las cámaras de red/analógicas, el DVR y el programa SSM a través de una red.

Proporciona una interfaz de usuario sencilla con menú en pantalla, pantalla táctil y joystick.

- Mando a distancia de larga distancia
- Control integrado del sistema
- Un solo controlador de red puede controlar la cámara (unidad receptora), el DVR y el programa SSM.
- Puede controlar la cámara de red y el NVR a través de SSM.
- Se puede conectar para el uso de múltiples controladores
- El sistema se puede controlar desde diferentes ubicaciones y pueden conectarse y utilizarse hasta 16 unidades simultáneamente.
- Para mayor comodidad del usuario, las posiciones del joystick y el módulo del mando de control pueden intercambiarse a la izquierda y a la derecha.
- Sencilla interfaz
El estado de funcionamiento del control del sistema aparece en pantalla; la pantalla táctil le permite seleccionar con facilidad un menú; el joystick facilita y simplifica la manipulación.

❖ Lista de productos y programas controlables

- Cámara
- SSM
- DVR

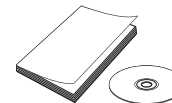
COMPONENTES

Desembale el paquete del producto y colóquelo en el suelo o en una superficie plana.

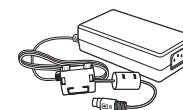
Compruebe si se incluyen los siguientes componentes en el paquete del producto.



Unidad principal



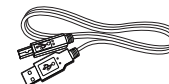
Manual de usuario o Manual de usuario en CD



Adaptador de alimentación



Cable de alimentación



Cable USB



Lápiz táctil



Bloqueo de terminal



- Monte la rueda de control y la palanca de mando en el cuerpo principal para usarlos.

NOMBRES DE COMPONENTES Y FUNCIONES




Lado frontal



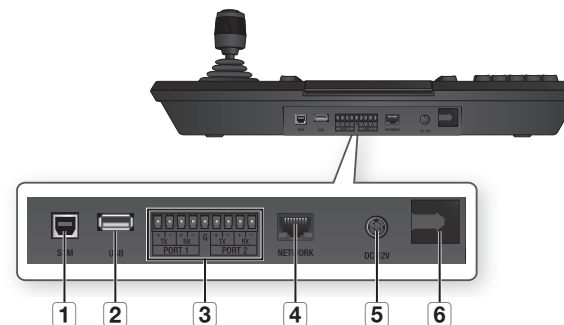
Nombre		Función	
1	Palanca de mando	Arriba/Abajo/Izquierda/Derecha En modo PTZ, se puede controlar el movimiento de Panorámica e Inclinación. En el modo de pantalla, puede cambiar la selección de la ficha hacia arriba/abajo/izquierda/derecha. En el modo Ratón, puede mover el cursor del ratón.	
		Rotación En el modo PTZ, la pantalla se acerca al girar en la dirección WIDE y se aleja al girar en la dirección TELE.	
2	Control PTZ	[FOCUS N/F] +	Ejecuta el movimiento de Enfocar cerca/lejos. - [FOCUS N/F] + : Enfocar cerca - [FOCUS N/F] + : Enfocar lejos
		[FOCUS N/F] +	<ul style="list-style-type: none"> La tecla [FOCUS N/F] se controla mediante la tecla de conmutación ON/OFF.
		[IRIS C/O] +	Ejecuta la operación de IRIS abierto/cerrado. - [IRIS C/O] + : IRIS abierto - [IRIS C/O] + : IRIS cerrado
		[IRIS C/O] +	<ul style="list-style-type: none"> Sólo funciona en modo de control de cámara analógica, SSM y DVR. La tecla [IRIS C/O] se controla mediante la tecla de conmutación ON/OFF.


Nombre		Función	
2	Control PTZ	[PRESET]	Al hacer clic en [PRESET] + número + [PRESET], se activa el preajuste correspondiente a cada número de botón.
		[GROUP]	Al hacer clic en [GROUP] + número + [GROUP], se activa el grupo/exploración correspondiente a cada número de botón.
		[TOUR]	Inicie el tour haciendo clic en los botones [SHIFT] + [GROUP/TOUR] + [SHIFT] + [GROUP/TOUR].
		[TRACE]	Al hacer clic en [TRACE] + número + [TRACE], se activa el patrón/rastreo correspondiente a cada número de botón.
		[ZOOM] +	Ejecuta el zoom de acercamiento.
		[ZOOM] +	Ejecuta el zoom de alejamiento. <ul style="list-style-type: none"> La tecla [ZOOM] se controla mediante la tecla de conmutación ON/OFF.
3	Control de ratón	[L(T. LOCK)]/[R(TRACK)] En el modo Ratón, use el botón izquierdo/derecho del ratón.	
4	Control de pantalla	[MON.(CON.)]	Para cambiar la selección de varios monitores, haga clic en un número + botón [MON. (CON.)] en el modo de pantalla (anterior/siguiente de acuerdo con el número de monitor).
		[LAYOUT(SEQ.)]	Al hacer clic en un número + botón [LAYOUT (SEQ.)] se activa la disposición correspondiente a cada número de botón.
		[CAM]	Al hacer clic en un número + botón [CAM], se activa la cámara correspondiente a cada número de botón.
		[ENTER]	Al hacer clic una vez aparecerá una sola pantalla en el visor en directo. Al hacer clic una vez más volverá a la pantalla original. Al hacer clic en un número + botón [ENTER] en el visor en directo, la pantalla se divide en función de la entrada numérica.
		número + [TILE(VM)]	Se desplaza a la pieza correspondiente al número.

descripción

Nombre		Función
5	Cambio de modo	[PTZ(MENU)] Cambia el modo PTZ. Haga clic en el botón [PTZ (MENU)], mientras esté en el modo PTZ y cambiará el modo de pantalla.
		[SHIFT] + [MENU(Mouse)] Cambia el modo Ratón. Haga clic en el botón [SHIFT] + [MENU (Mouse)], mientras esté en el modo Ratón y cambiará el modo de pantalla.
		[SHIFT] + [Mon.(Con.)] Cambia el modo Consola.
		[SHIFT] + [TILE(VM)] Ejecuta el control de VMD.
6	Control de pantalla de reproducción	[SEARCH] Emite el vídeo de la ficha actual a través de directo/búsqueda.
		 El vídeo se detendrá.
		 Reproduce pausa el vídeo.
		 Inicia/Finaliza el registro manual del vídeo.
		Shuttle wheel Reproduce rápidamente hacia delante cuando la rueda gira hacia la derecha, o reproduce rápidamente en la dirección inversa cuando la rueda gira hacia la izquierda.
		Jog wheel Realiza la búsqueda de cuadro.
7	0 ~ 9 Botón para introducir un número.	
	[ESC(SETUP)] Vuelve a la página anterior.	

Lado trasero



Elemento	Descripción
1 SSM	Terminal que se conecta al PC para controlar el SSM.
2 USB	Se utiliza para realizar copias de seguridad de los ajustes del controlador del sistema o para actualizar el firmware.
3 RS-485	PORT 1 Conectado a un controlador como una cámara o un DVR a través de comunicaciones RS-485.
	PORT 2 Conexión a otro controlador del sistema SPC-7000.
4 NETWORK	Terminal de conexión de red.
5 DC 12V	Puerto de entrada de CC de 12 V (— — — — — +)
6 Enganche para cable	 ■ Asegúrese de utilizar el enganche del cable al instalar y utilizar el controlador.

PRECAUCIONES

Antes de instalar el producto, léalo y respete las siguientes instrucciones.

- El producto se ha diseñado para utilizarse sólo en interiores.
- Manténgalo alejado del agua y de la humedad.
- No lo someta a fuerza excesiva.
- No tire del cable de alimentación con energía.
- No lo desmonte por sí mismo.
- Utilice sólo se el rango de E/S nominal.
- Utilice sólo el cable de alimentación que se facilita.
- Utilice un enchufe de alimentación que contenga toma de tierra si está disponible.
- Instale el controlador del sistema en una mesa plana.
- El diseño de la unidad principal y el sistema de cableado son esenciales para el funcionamiento correcto del sistema.
- Si los dispositivos están demasiado cerca entre sí o carecen de una ventilación apropiada, es posible que el sistema no funcione correctamente.
La inaccesibilidad al sistema dificulta o incluso impide completamente la reparación.
- Para evitar un fallo en el sistema o reducir los apagados del sistema, deje espacio suficiente para la ventilación y cierre con seguridad la cubierta.
- No desmonte el controlador del sistema por sí mismo ya que existe una alta tensión dentro del controlador del sistema.
 - Temperatura de servicio : 0° ~ 40°
 - Temperatura de almacenamiento : -20° ~ 60°
 - Humedad en funcionamiento : 20%~85% de HR
 - Consumo eléctrico : 12V de CC, Máx. 6,4W (— — — — —)
 - Utilice un adaptador de alimentación dedicado incluido con el producto.

ANTES DE LA INSTALACIÓN

- Debe apagar el producto antes de instalarlo.
- Un impacto o vibraciones fuertes pueden causar un fallo en el sistema.
- Manténgalo alejado de campos magnéticos potentes o con interferencias eléctricas, o de dispositivos inalámbricos como una radio o un equipo de TV.
- Mantenga el lugar de la instalación limpio y sin polvo en todo momento mientras instala el producto y posteriormente.
- Colóquelo en una superficie plana con una temperatura óptima.
Instálelo al menos con una separación de 15 cm de la pared.
- No obstruya el orificio de ventilación ni coloque objeto conductivos sobre el mismo.
- No lo exponga a la luz directa del sol. Mantenga los accesorios o las herramientas fuera del alcance de la gente para evitar riesgos de daño físico.
- La aparición de humo u olor anormales puede conllevar un incendio o una descarga eléctrica. Si este es el caso, apague inmediatamente el producto y póngase en contacto con nosotros para obtener asistencia técnica.
- Adopte una solución apropiada si encuentra: un suelo mojado, un alargador de alimentación sin toma de tierra, un cable de alimentación pelado o ausencia de conexión a tierra de seguridad.
 - Utilice un paño seco para limpiarlo. Si se ensucia o se mancha mucho, utilice un paño humedecido con un detergente neutro para limpiarlo.
No utilice sustancias volátiles como alcohol, benceno o disolvente ya que podrían dañar el acabado del producto.
 - No utilice a una temperatura alta durante la vida útil del monitor LCD.

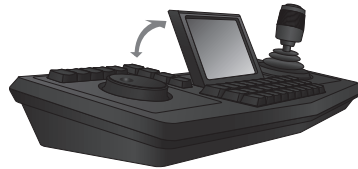
MONTAJE DE LA RUEDA DE CONTROL/PALANCA DE MANDO

Al montar la rueda de control o la palanca de mando, pulse hasta que escuche un sonido de clic.



AJUSTE EL ÁNGULO DE LA PANTALLA LCD

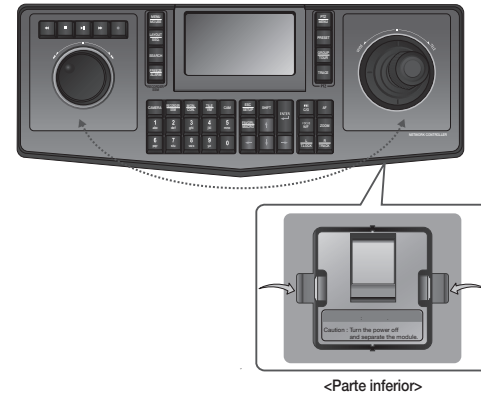
Puede tirar de la pantalla hacia adelante para una mejor visión.



CAMBIO DE DISPOSICIÓN DEL JOYSTICK Y DEL MANDO DE CONTROL

Para cambiar la posición del joystick y del mando de control a su gusto.

- ! Para cambiar de izquierda a derecha, apague primero el controlador del sistema. A continuación, pulse **<Cambiar módulo>** en el menú de configuración del controlador y cambie manualmente los módulos. (página 18)



1. Pulse el gancho en la parte inferior del cuerpo del controlador mientras arrastra con las manos y el módulo se separará del cuerpo principal.
2. Retire el módulo del joystick y del mando de control del controlador y cambie la posición. Una vez hecho, insértelos hasta que oiga un clic.



conexión a un dispositivo externo

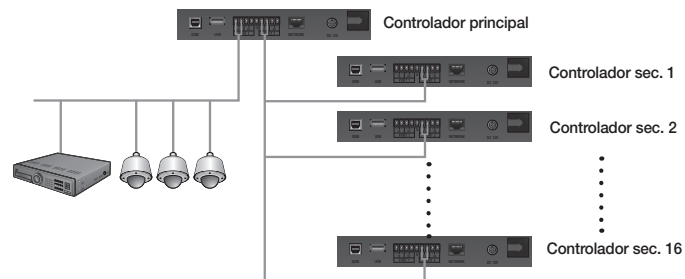
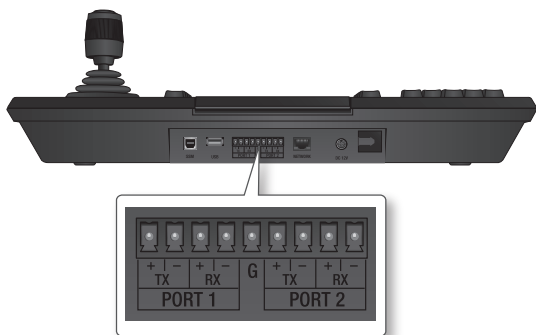
El controlador de red SPC-7000 se puede utilizar conectándolo a cámaras, DVR y otros dispositivos externos.

PARA CONECTAR UN DISPOSITIVO RS-485/422

Puede controlar cámaras PTZ y DVR que admitan la comunicación RS-485/422 con el controlador.

1. Conecte el PORT 1 trasero con el puerto RS-485 de la cámara PTZ o el DVR.
2. Según el dispositivo externo conectado, seleccione una conexión RS-485 (Half Duplex) o RS-422 (Full Duplex).

- Para el sistema Half Duplex, utilice los terminales TX +/-.
- Para comunicaciones RS-485/422, preste especial atención a la polaridad (+/-).
- Para reducir las interferencias en la comunicación con RS-485, conecte el terminal G de la cámara/ dispositivo DVR con el del SPC-7000.
- Al realizar la conexión a tierra, asegúrese de desconectar el producto.
- Utilice el bloque de terminales que se facilita en el paquete del producto.
- Compruebe primero si el dispositivo RS-485/422 es compatible con el SPC-7000.



Conexión a la cámara PTZ

Al conectar el puerto RS-485 de la parte trasera de la cámara PTZ con el PORT 1 de SPC-7000, puede controlar la cámara.

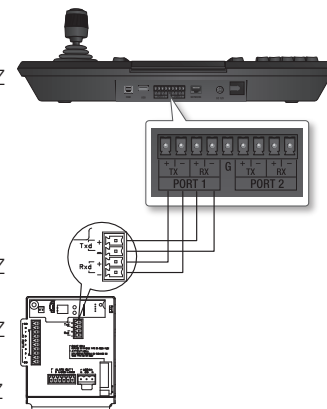
- Dependiendo de la cámara, es posible que la polaridad sea diferente. Para más información, consulte el manual del usuario de la cámara PTZ.

Para el sistema half duplex (RS-485)

- Conecte RX (+) del puerto RS-485 de la cámara PTZ con TX (+) del PORT 1 del SPC-7000.
- Conecte RX (-) del puerto RS-485 de la cámara PTZ con TX (-) del PORT 1 del SPC-7000.

Para el sistema full duplex (RS-422)

- Conecte RX (+) del puerto RS-485 de la cámara PTZ con TX (+) del PORT 1 del SPC-7000.
- Conecte RX (-) del puerto RS-485 de la cámara PTZ con TX (-) del PORT 1 del SPC-7000.
- Conecte TX (+) del puerto RS-485 de la cámara PTZ con RX (+) del PORT 1 del SPC-7000.
- Conecte TX (-) del puerto RS-485 de la cámara PTZ con RX (-) del PORT 1 del SPC-7000.



conexión a un dispositivo externo

Conexión de DVR tipo SRD-16XX / 8XX

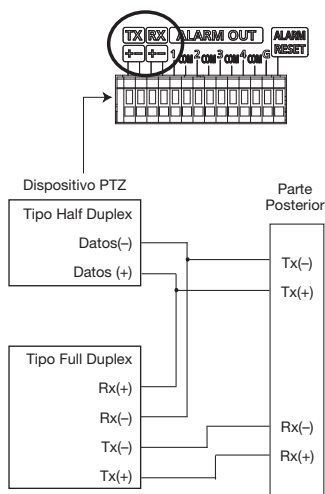
Conecte el DVR y el SPC-7000 utilizando el puerto RS-485 de la parte trasera del DVR.

Para el sistema half duplex (RS-485)

- Conecte TX (+) del puerto RS-485 del DVR con TX (+) del PORT 1 del SPC-7000.
- Conecte TX (-) del puerto RS-485 del DVR con TX (-) del PORT 1 del SPC-7000.

Para el sistema full duplex (RS-422)

- Conecte TX (+) del puerto RS-485 del DVR con RX (+) del PORT 1 del SPC-7000.
- Conecte TX (-) del puerto RS-485 del DVR con RX (-) del PORT 1 del SPC-7000.
- Conecte RX (+) del puerto RS-485 del DVR con TX (+) del PORT 1 del SPC-7000.
- Conecte RX (-) del puerto RS-485 del DVR con TX (-) del PORT 1 del SPC-7000.

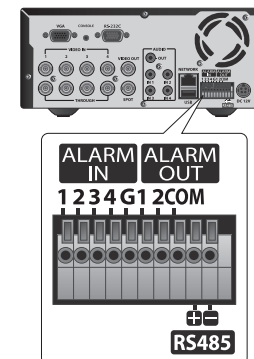


Conexión de DVR tipo SRD-4XX

Conecte el conector RS-485 en la parte posterior de SRD-4XX con SPC-7000.

❖ Para el sistema half duplex (RS-485)

- Conecte el TX (+) del zócalo SRD-4XX al zócalo del puerto 1 TX (+) del SPC-7000.
- Conecte el TX (-) del zócalo SRD-4XX al zócalo de puerto 1 TX (-) del SPC-7000.

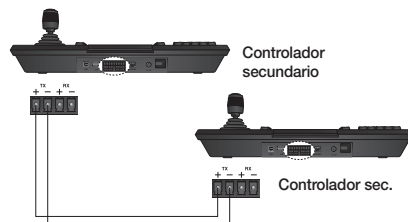


CONEXIÓN A OTRO CONTROLADOR DEL SISTEMA

- Puede conectar hasta 16 controladores simultáneamente.
- Para los ajustes de comunicación del controlador, consulte "Configuración del ID de controlador" de "ajustes del menú". (▶ página 17)

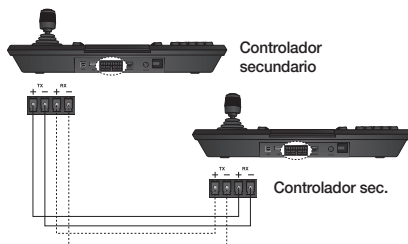
Para el sistema half duplex (RS-485)

- Connect TX (+) of PORT 2 of SPC-7000 with TX (+) of PORT 2 of the other SPC-7000.
- Connect TX (-) of PORT 2 of SPC-7000 with TX (-) of PORT 2 of the other SPC-7000.



Para el sistema full duplex (RS-422)

- Conecte TX (+) del PORT 2 del controlador principal SPC-7000 con RX (+) del PORT 2 del controlador SPC-7000 secundario.
- Conecte TX (-) del PORT 2 del controlador principal SPC-7000 con RX (-) del PORT 2 del controlador SPC-7000 secundario.
- Conecte RX (+) del PORT 2 del controlador principal SPC-7000 con TX (+) del PORT 2 del controlador SPC-7000 secundario.
- Conecte RX (-) del PORT 2 del controlador principal SPC-7000 con TX (-) del PORT 2 del controlador SPC-7000 secundario.

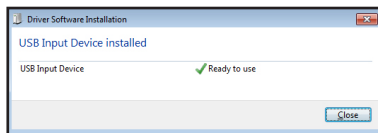


- Debe utilizar el PORT 2 si desea conectar a otro controlador del sistema.

configuración de ajustes

INSTALACIÓN

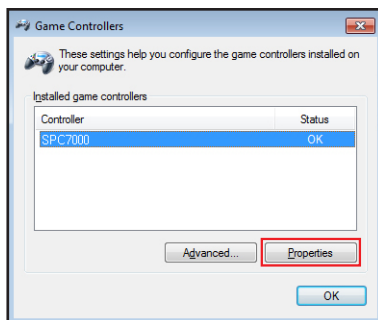
1. Con el ordenador encendido, conecte el terminal SSM del controlador para el puerto USD del ordenador.
2. A continuación, aparecerá una ventana que indica Se ha detectado un nuevo dispositivo.
3. El ordenador reconocerá automáticamente el dispositivo.
 - Si es necesario, instale el dispositivo de acuerdo con las instrucciones que aparecen en la ventana de instalación.
4. Cuando se reconozca el dispositivo, los controladores instalados aparecerá en la lista de controladores del juego del panel de control de Windows.
[Start] > [Devices and Printers] > [Game Controllers]



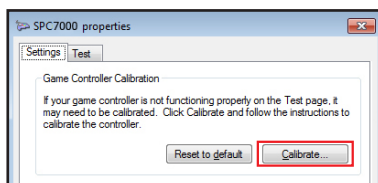
Corrección del controlador

- Para utilizar un controlador adecuadamente, se debe corregir el eje.

1. Vaya a [Start] > [Devices and Printers] > [Game Controllers], haga clic con el botón derecho en el icono del controlador instalado y seleccione [Properties].

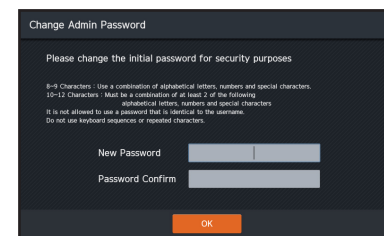


2. En la ventana de configuración, pulse el botón [Calibrate...] para ejecutar el 'Device Correction Wizard'.
3. Proceda a la corrección del eje de acuerdo con las instrucciones de la pantalla.



INTRODUCCIÓN

1. Encienda todos los dispositivos que componen el sistema.
2. Conecte el adaptador de alimentación en la parte posterior del controlador y enciéndalo. Aparecerá una ventana de inicio de sesión.
3. Utilizando el teclado numérico o el teclado de la pantalla táctil, introduzca la contraseña y haga clic en el botón <Iniciar sesión>.
 - La contraseña predeterminada es "4321".
4. En el primer inicio de sesión, aparecerá una ventana para establecer una contraseña. Establezca una contraseña y pulse el botón <OK>.
 - New Password : Introduzca una nueva contraseña de acuerdo a las reglas de configuración de contraseña.
 - Password Confirm : Introduzca la nueva contraseña otra vez.



CONFIGURACIÓN DE MENÚ

Cuando aparezca la pantalla de configuración del sistema, seleccione un menú de configuración deseado.

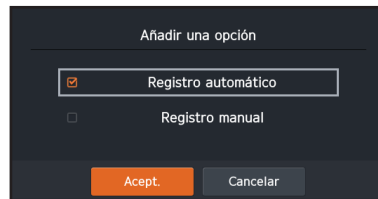


DISPOSITIVO

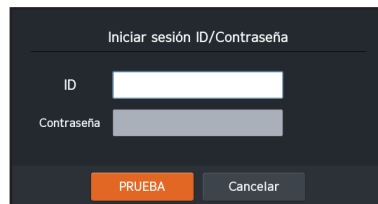
Registrar un dispositivo de forma automática

Puede buscar y registrar una cámara de red conectada a la red local.

1. Seleccione la casilla <Registro automático> y pulse el botón <Acept.>.



2. En la lista de cámaras buscadas, seleccione la cámara que desea registrar y pulse el botón <PRUEBA>.



3. Introduzca un <ID> y una <Contraseña> y pulse el botón <PRUEBA> para acceder a la cámara.

4. Pulse el botón <Acept.> y se registrará la cámara seleccionada.

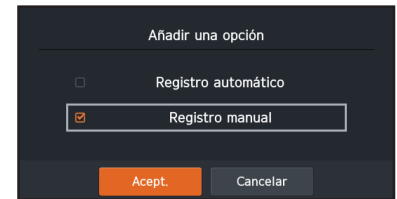
- Modelo : Muestra el nombre del modelo de la cámara.
- Dirección IP : Muestra la dirección IP de una cámara de red.
- Estado : Muestra la información de la guía de códigos de éxito o error.



Registrar un dispositivo manualmente

- Agregar un dispositivo de red

1. Seleccione la casilla <Registro manual> y pulse el botón <Acept.>.

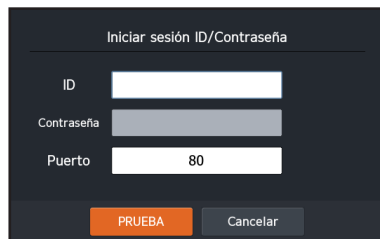


2. Introduzca la información de la dirección IP.



configuración de ajustes

3. Pulse el botón <ID/Contraseña> para introducir una identificación, una contraseña y un número de puerto.
4. Pulse el botón <PRUEBA> para acceder a la cámara.
5. Compruebe los resultados de la prueba.
6. Pulse el botón <Accept.> para completar el registro.



- Agregar un dispositivo analógico

1. Seleccione la casilla <Registro manual> y pulse el botón <Accept.>.
2. Seleccione <Cosa analoga> como tipo de dispositivo.
3. Seleccione cada elemento para introducir el ID, el tipo, el protocolo y la velocidad de transmisión.
 - Al seleccionar <Cámara analógica> como tipo, se puede seleccionar el protocolo.
4. Pulse el botón <Accept.> para completar el registro.



Modificar la información del dispositivo

Puede modificar la información de un dispositivo registrado.

1. Seleccione un dispositivo para cambiar la información.
2. En la información del dispositivo que aparece en la parte inferior de la pantalla, modifique la información del dispositivo.
 - Dependiendo del tipo de dispositivo seleccionado, la información a modificar se mostrará de forma diferente.
3. Después de completar la modificación, pulse el botón <Accept.>.



Eliminar dispositivos

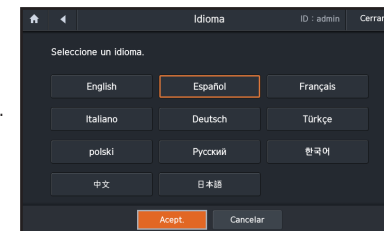
1. Seleccione un dispositivo para eliminarlo y pulse el botón <Eliminar>.
2. Aparecerá una ventana emergente de confirmación de inicialización. Al presionar el botón <Inicializar> se eliminará el dispositivo seleccionado.
3. Al presionar el botón <Eliminar todos> y el botón <Inicializar todo> en la ventana emergente, se borrarán todos los dispositivos registrados.

CONTROL

Idioma

Puede seleccionar el idioma que prefiere para la interfaz de usuario.

1. Pulse <Idioma>.
2. En la pantalla de selección de idioma que aparece, utilice los botones de dirección o el joystick para seleccionar el idioma que prefiera.
 - El idioma cambiará al seleccionado inmediatamente.
3. Para salir de la pantalla de selección del idioma, pulse <Cancelar>.



Usuario y contraseña

Puede cambiar la contraseña del administrador y otorgar un ID de dispositivo.

Agregar un usuario

1. Seleccione el menú <Usuario y contraseña>.
2. Haga clic en el botón <Añad.>.
3. Seleccione un dispositivo para asignarlo a un usuario correspondiente.
4. Seleccione si desea utilizar una contraseña.
5. Para utilizar una contraseña, pulse <ON> y establezca una contraseña.
6. Después de establecer una contraseña, pulse el botón <Accept.>.

Número	Usuario	Información de dispositivo registrada
01	admin	A.Cam - 1, N.Cam - 1, DVR - 1, SSM - 1
02	user1	A.Cam - 0, N.Cam - 0, DVR - 0, SSM - 0
03	-	-
04	-	-
05	-	-
06	-	-

- Si una contraseña no se ajusta a la política de contraseñas, deberá seleccionar una contraseña que cumpla con los requisitos de contraseña.

Modificar la información del usuario

Puede cambiar la contraseña en la página de información de usuario.

1. Seleccione un usuario para modificar la información y pulse el botón <Modificar>.
2. Establezca de nuevo los detalles a modificar.
 - Sólo un administrador puede cambiar la contraseña.
3. Después de establecer una contraseña, pulse el botón [Accept.].

Usuario : user1

Seleccione un dispositivo : Device

Utilice una contraseña ON OFF

Contraseña

Confirmar contraseña

Accept. Cancelar

Eliminar un usuario

Puede seleccionar y eliminar un usuario registrado.

1. Al seleccionar el usuario que desea borrar y pulsar el botón <Eliminar>, aparecerá la ventana emergente para confirmar la eliminación.
2. Pulse el botón <Accept.> y el usuario seleccionado se eliminará.
3. Al presionar el botón <Eliminar todos> y el botón <Accept.> en la ventana emergente, se borrarán todos los dispositivos registrados.
 - Dado que "admin" es el administrador, no se puede eliminar.

Funcionamiento de los botones del joystick

Seleccione los elementos que desea utilizar con el botón de joystick y pulse el botón <Accept.>. La función opera de acuerdo a la forma cómo se selecciona el joystick.

Palanca de mando ID : admin Cerrar

Configuración del joystick

Enfoque automático Bloquear objetivo Entrar

Accept. Cancelar

Configuración del ID de controlador

Cuando se establece una conexión entre controladores, puede configurarlos como controlador principal o secundario, y se puede seleccionar el ID y el protocolo del controlador que se va a utilizar.

1. Seleccione el menú <ID del controlador>.
2. Introduzca el ID del controlador que se va a utilizar.
3. Seleccione RS-485 o RS-422 para establecer el método de comunicación del controlador.
4. Seleccione el controlador principal o secundario y configure los detalles.
 - Si se utiliza mientras está conectado a varios controladores, configure la lista secundaria.

ID del controlador ID : admin Cerrar

Para configurar el ID del controlador y configurar los detalles a continuación.

ID del controlador 0

Protocolo RS485

Puerto 2 Master 38400 SUB Lista

Accept. Cancelar

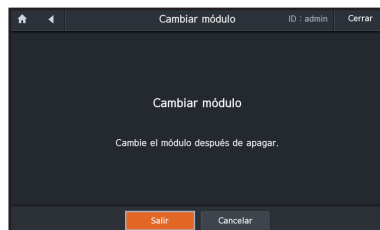
5. Cuando se haya completado la configuración, haga clic en el botón <Accept.>.

configuración de ajustes

Cambiar módulo

Puede cambiar la posición del mando de control y del joystick de izquierda a derecha o viceversa.

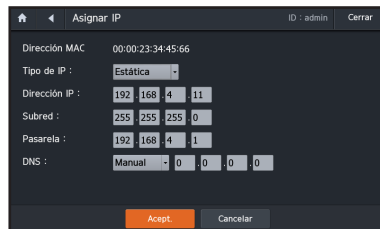
1. Seleccione el menú <Cambiar módulo>.
2. Puede comprobar que la alimentación está apagada y cambiar la posición de la rueda de control con el joystick pulsando el botón <Salir>.
3. Para salir de la pantalla, pulse <Cancelar>.



RED

Permite configurar el tipo y el entorno de conexión de red.

- Tipo de IP : Seleccione el tipo de tipo de conexión a la red.
- Dirección IP : Subred, Pasarela, DNS
En caso de <Estática> : Se puede introducir directamente la dirección IP, subred, puerta de enlace y DNS.
En caso de <DHCP> : La dirección IP, subred y puerta de enlace se configuran automáticamente.



- Cuando se establece el modo DNS manualmente, puede introducir directamente la información de IP de DNS.

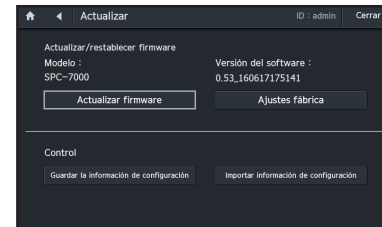
ENTORNO DEL SISTEMA

Puede actualizar el firmware actual utilizando los archivos de firmware de la memoria USB.

Para actualizar el firmware del controlador

Puede descargar los archivos de firmware más recientes y actualizar el controlador.

1. Conecte un dispositivo de memoria USB en el que se almacene el nuevo firmware para el controlador de red.
2. En la pantalla de configuración del menú, pulse <Sistema>.
3. Pulse <Actualizar firmware>.
4. En la ventana de actualización, pulse el botón <Accept>.
5. Espere hasta que el sistema se reinicie tras la actualización.



- No desconecte la memoria USB o el cable de alimentación durante la actualización. De lo contrario, es posible que falle la actualización del firmware o se produzca un fallo del sistema.

Ajustes fábrica

Puede devolver los ajustes actuales a los ajustes predefinidos de fábrica.

1. Pulse <Ajustes fábrica>.
2. Pulse <Reinc>.
Los ajustes actuales volverán al valor predeterminado de fábrica.
3. Para salir del menú, pulse <Cancelar>.



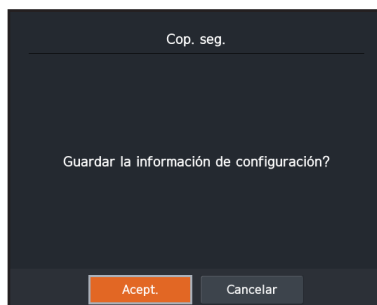
Para hacer una copia de seguridad de los ajustes del controlador

Si desea cambiar el controlador o sustituir la cámara, puede guardar los ajustes del controlador en un archivo y cargar los ajustes del controlador en una nueva cámara.

1. En la pantalla de configuración del menú, pulse <Sistema>.
2. Pulse <Guardar la información de configuración>.
3. Pulse <Accept.>
Se inicia el proceso de copia de seguridad.



- No desconecte la memoria USB o el cable de alimentación durante la copia de seguridad. De lo contrario, es posible que falle la copia de seguridad de los ajustes del controlador.



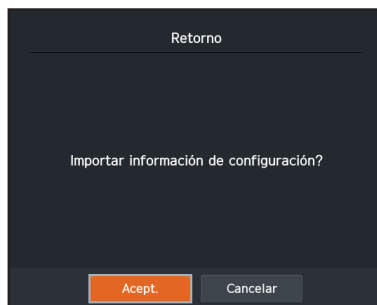
Para restaurar los ajustes del controlador

Si ha configurado el controlador de forma incorrecta o lo ha reiniciado, puede cargar los ajustes actuales en un controlador diferente.

1. En la pantalla de configuración del menú, pulse <Sistema>.
2. Pulse <Importar información de configuración>.
3. Pulse <Accept.>
Se inicia el proceso de restauración.



- No desconecte la memoria USB o el cable de alimentación durante la restauración. De lo contrario, es posible que falle la restauración de los ajustes del controlador.



CÁMARAS DE CONTROL

Se puede configurar un menú de cámara, dispositivo de almacenamiento y configuración.

- Si se trata de la versión de SUNAPI de una cámara de red registrada, es posible que no funcione una función específica.

Entrar en el modo de control de cámara

Seleccione <Cámara> en la pantalla principal.

Seleccionar una cámara

Mediante las teclas de dirección, vaya a la cámara que desee en la lista de cámaras registradas y pulse la tecla [ENTER].

Mediante las teclas de dirección, vaya al botón <Acept.> y pulse la tecla [ENTER].

- Para activar una cámara, pulse una tecla numérica + [CAM].



Control de Panorama/inclinación

En el modo PTZ, se puede controlar el movimiento de giro e inclinación moviendo la palanca de control hacia arriba, abajo, izquierda y derecha.

Cuanto más lejos esté el joystick del centro, más rápido será el movimiento.

Zoom

En el modo PTZ, se puede controlar el movimiento de zoom de la cámara IN/OUT a través de un controlador.

Enfoque

Mediante un controlador, puede controlar el movimiento de enfoque cerca/lejos.

Diafragma

Mediante un controlador, puede ajustar el brillo de una cámara de vídeo.

- Una cámara de red no es compatible.

Cámaras de control

Pulse la tecla [AF] en el controlador y se activará el enfoque automático de la cámara.

- Para obtener más información sobre el control de la cámara, consulte la sección "Nombres de Componentes y Funciones". (página 7~8)

Preset

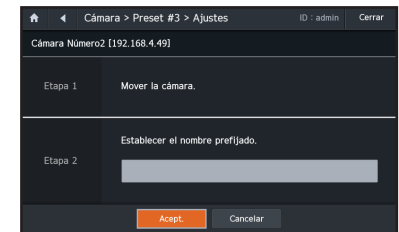
Se puede establecer un solo punto designado y mover la cámara a la posición designada.

- Puede designar hasta 255 preajustes.
- También puede activar un preajuste haciendo clic en un botón [Preset] + número + [Preset].



Para definir una posición predefinida

1. Seleccione una cámara para la que desee definir una posición predefinida.
2. Utilice el joystick para mover la cámara al punto que desee.
3. Establezca un nombre para el preajuste.
4. Pulse el botón <Acept.> para guardar.



Para ejecutar la posición predefinida

1. Seleccione una cámara.
2. Pulse el botón [PRESET].
3. Con las teclas numéricas, pulse un número para ejecutar y pulse el botón [PRESET].
4. Se ejecutará la posición predefinida.



Grupo

Puede crear un grupo de varias posiciones predefinidas para poder ejecutarlas en secuencia.

- Puede designar hasta 6 grupos.
- Un solo grupo puede contener hasta 128 preajustes.

Para definir un grupo

1. Seleccione el menú <Grupo>.
2. En la lista de grupos, seleccione una lista individual y pulse el botón <Ajustes> para ir a la página de configuración.
3. Pulse el botón [Añad.].
4. En la lista de preajustes, seleccione un preajuste para agregarlo al grupo.
5. Especifique la velocidad y el tiempo de permanencia.
6. Pulse el botón <Accept.> para guardar.



Para ejecutar la función de grupo

1. Seleccione el menú <Grupo>.
2. Seleccione uno en la lista de grupos.
3. Select a group number and press Iniciar.
4. Se ejecutará la función de grupo.



Recorrido

Puede hacer un tour de al menos un grupo para poder ejecutar los grupos en secuencia.

Para definir un tour

1. Seleccione el menú <Recorrido>.
2. Pulse el botón <Añad.> para ir a la página Seleccionar grupo.
 - Se pueden añadir hasta 6 grupos.
3. Seleccione uno en la lista de grupos.
4. Introduzca un tiempo de permanencia.
5. Pulse el botón <Accept.> para guardar.



Para ejecutar la función de tour

1. Seleccione el menú <Recorrido>.
2. Seleccione un número de grupo y pulse Iniciar.
3. Se ejecutará la función de recorrido.



Reinc

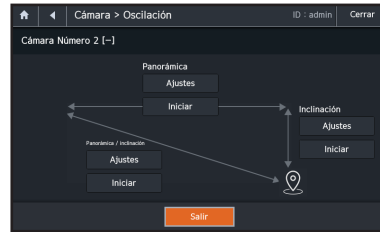
Seleccione el botón <Restablecer todo> y se restablecerá la configuración de todo el recorrido.

Oscilación

Puede mover la cámara entre dos puntos predefinidos para vigilar la trayectoria.

Configuración de oscilación

1. Seleccione el menú <Oscilación>.
2. Seleccione el botón [PRESET] para establecer un tipo entre PAN, PAN/ INCLINACIÓN e INCLINACIÓN.
3. Configure un preajuste de inicio y un preajuste de finalización.
4. Establezca una velocidad y tiempo de traslado.
5. Pulse el botón <Acept.> para guardar.



Para ejecutar la oscilación

1. Seleccione el menú <Oscilación>.
2. Pulse el botón <Iniciar> de una oscilación para ejecutar una opción entre PAN, PAN/ INCLINACIÓN e INCLINACIÓN.
3. Se ejecutará la función de oscilación.

Rastro

Con el joystick o los botones de cámara, puede instruir el controlador para que registre el movimiento de la cámara durante un tiempo específico y que repita el movimiento.

Para definir un rastro

1. Seleccione el menú <Rastro>.
2. En la lista de rastreos, seleccione un elemento individual y haga clic en el botón <Ajustes>.
3. Usando los botones de la palanca de cambio o el control de la cámara, controle el movimiento de una cámara para guardar la configuración.
4. Pulse el botón <Detener> y se completarán los ajustes.



Para ejecutar un rastro

1. Seleccione el menú <Rastro>.
2. Seleccione el número de una rastreo a ejecutar.
3. Pulse el botón <Iniciar>.
4. Se ejecutará la función de rastro.

Seguimiento automático

Puede seleccionar apagar/encender la función de seguimiento automático de una cámara que es compatible con esta función.



Salida de Alarma

Puede activar/desactivar la salida de alarma forzada.

- Si no tiene una autorización de usuario, puede fallar la sincronización con la cámara.

Control PTZ

Si desea establecer el control PTZ con la palanca de mando, active esta función. De lo contrario, desactívela.

Control de las funciones adicionales de la cámara

Si presiona el botón <AUX>, puede controlar la cámara cuando admite funciones adicionales.

Captura de pantalla de la cámara

Cuando pulse el botón <Captura de pantalla>, se guardará una captura de pantalla en el dispositivo de memoria USB.

Información detallada de la cámara

Pulse el botón <Información> y se le solicitará información detallada de la cámara.

CONTROL DE LOS DISPOSITIVOS DE ALMACENAMIENTO

Como las funciones varían en función del dispositivo, consulte el manual del usuario del dispositivo.

SSM

Puede controlar los dispositivos de almacenamiento registrados en SSM mediante la selección de SSM.

- Cuando se selecciona SSM, la cámara funcionará en el modo de SSM.



Seleccionar un modo











Modo de SSM

Seleccione el <SSM>.




Puede controlar SSM y los dispositivos registrados en SSM.

- Controla SSM independientemente del control de interfaz gráfica de usuario.
- Para obtener información detallada sobre cómo utilizar el programa SSM, consulte el manual del usuario.

Palanca de mando	
Arriba/Abajo/Izquierda/Derecha	En modo PTZ, se puede controlar el movimiento de Panorámica e Inclinación. En el modo de pantalla, puede cambiar la selección de la ficha hacia arriba/abajo/izquierda/derecha. En el modo Ratón, puede mover el cursor del ratón.
Rotación	En el modo PTZ, la pantalla se acerca al girar en la dirección WIDE y se aleja al girar en la dirección TELE.

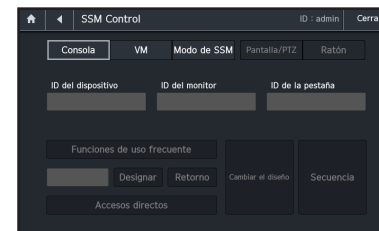
Control PTZ	
[FOCUS N/F] + 	Ejecuta el movimiento de Enfocar cerca/lejos. - [FOCUS N/F] +  : Enfocar cerca
[FOCUS N/F] + 	- [FOCUS N/F] +  : Enfocar lejos
[IRIS C/O] + 	Ejecuta la operación de IRIS abierto/cerrado. - [IRIS C/O] +  : IRIS abierto
[IRIS C/O] + 	- [IRIS C/O] +  : IRIS cerrado
[PRESET]	Al hacer clic en un número + botón [PRESET], se activa el preajuste correspondiente a cada número de botón.
[GROUP]	Al hacer clic en un número + botón [GROUP], se activa el Grupo/Escaneo correspondiente a cada número de botón.
[TRACE]	Al hacer clic en un número + botón [TRACE], se activa el Modelo/Rastro correspondiente a cada número de botón.
[ZOOM] + 	Ejecuta el zoom de acercamiento.
[ZOOM] + 	Ejecuta el zoom de alejamiento.
Control de ratón	
[L(T. LOCK)]/[R(TRACK)]	En el modo Ratón, use el botón izquierdo/derecho del ratón.

Control de pantalla	
[MON.(CON.)]	Para cambiar la selección de varios monitores, haga clic en un número + botón [MON. (CON.)] en el modo de pantalla (anterior/siguiente de acuerdo con el número de monitor).
[LAYOUT(SEQ.)]	Al hacer clic en un número + botón [LAYOUT (SEQ.)] se activa la disposición correspondiente a cada número de botón.
[CAM]	Al hacer clic en un número + botón [CAM], se activa la cámara correspondiente a cada número de botón.
[ENTER]	Al hacer clic una vez aparecerá una sola pantalla en el visor en directo. Al hacer clic una vez más volverá a la pantalla original. Al hacer clic en un número + botón [ENTER] en el visor en directo, la pantalla se divide en función de la entrada numérica.
Botón de captura LCD	Captura el vídeo de la ficha actual.
Interfaz de usuario LCD de botón de salida de alarma	Inicializa el evento.
número + [TILE(VM)]	Se desplaza a la pieza correspondiente al número.
Cambio de modo	
[PTZ(MENU)]	Cambia el modo PTZ. Haga clic en el botón [PTZ (MENU)], mientras esté en el modo PTZ y cambiará el modo de pantalla.
[SHIFT] + [MENU(Mouse)]	Cambia el modo Ratón. Haga clic en el botón [SHIFT] + [MENU (Mouse)], mientras esté en el modo Ratón y cambiará el modo de pantalla.
[SHIFT] + [Mon.(Con.)]	Cambia el modo Consola.
[SHIFT] + [TILE(VM)]	Ejecuta el control de VMD.

Control de pantalla de reproducción	
[SEARCH]	Emite el vídeo de la ficha actual a través de directo/búsqueda.
	El vídeo se detendrá.
	Reproduce pausa el vídeo.
	Inicia/Finaliza el registro manual del vídeo.
Shuttle wheel	Reproduce rápidamente hacia delante cuando la rueda gira hacia la derecha, o reproduce rápidamente en la dirección inversa cuando la rueda gira hacia la izquierda.
Jog wheel	Realiza la búsqueda de cuadro.
0 ~ 9	Botón para introducir un número.
[ESC(SETUP)]	Inicializa el número de entrada. <ul style="list-style-type: none"> La función de reinicio sólo está disponible en el modo de SSM.

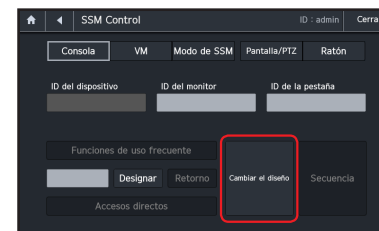
Modo de control de GUI

- Pulse el botón [SHIFT], tecla [RECORDER/SSM].
- Seleccione <Consola>, <VM>. Si selecciona el modo de consola o VM, se habilitarán las subfunciones configurables
 - ID del dispositivo : Desactivado al controlar SSM
 - ID de monitor : Presione un número + tecla [MON.CON.].
 - ID de la pestaña : Presione un número + tecla [TILE/VM].
- Seleccione el modo <Pantalla/PTZ> o <Ratón> para usar un dispositivo.

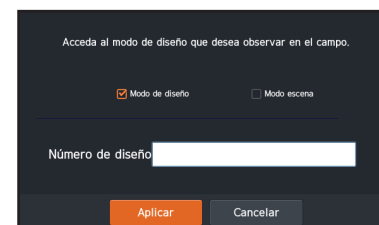


Cambiar el diseño

- Pulse el botón <Cambiar el diseño>.
 - Al controlar SSM, se desactivará el modo de pantalla.



- Introduzca el número de distribución a modificar.
- Seleccione el botón <Aplicar> y el diseño se cambiará tal como se ha configurado.



Grabación

Inicia o detiene la grabación.

Buscar

Muestra una reproducción de vídeo.

foto instantánea

Guarda una imagen capturada.

- La imagen se guardará en el PC donde está instalado SSM.



Alarma apagada

La alarma del evento se apagará.

DVR

Puede controlar conectando el DVR.

1. Seleccione <DVR>.

Se habilitarán subfunciones configurables.

- En el protocolo SRD, en función del DVR conectado, solo aparecerán en pantalla los menús que se pueden configurar.

- ID del dispositivo : Presione ID de DVR.
- ID del monitor : Deshabilitado cuando se controla el DVR
- ID de la pestaña : Presione una tecla numérica + [TILE/VM].

2. Seleccione el modo <Pantalla> o <PTZ> para un dispositivo que se vaya a utilizar.



Cambiar diseño

1. Pulse el botón <Cambiar escena>.
2. Introduzca el número de diseño que desea cambiar.
3. Seleccione el botón <Aplicar> y el diseño se cambiará como se ha configurado.

Registro

Inicia o detiene la grabación.

Buscar

Muestra una reproducción de vídeo.

Apagar la alarma

Se apaga la alarma del evento.

Pausa

Pausa una reproducción de vídeo.

Sonido

Ajuste el volumen de la reproducción de vídeo.



ESPECIFICACIONES

Elemento	Descripción
Sistema de comunicación	SSM RJ-45(Ethernet) RS-485 / 422
Unidades para controlar	Máx. 255
Compatibilidad	Cámara de red / analógica, SSM, DVR
Protocolo (Cámara de red)	SUNAPI
Protocolo (cámara analógica)	Samsung-T, Samsung-E, PELCO-D, PELCO-P, Panasonic, Honeywell, ELMO, Vicon, GE, AD, Bosch
Protocolo (DVR)	SRD
Soporte multilingüe	Inglés, español, francés, italiano, alemán, polaco, turco ruso, coreano, chino, japonés
Pantalla LCD	LCD TFT de 5 pulg. + LCD táctil
Puerto USB	Copia de seguridad / Restauración, Actualización de software
Joystick	Control de PTZ (zoom de giro de 3 ejes)
Mando de control	SSM, control de reproducción DVR
Alimentación	12V de CC, Máx. 6,4W
Temperatura de servicio	0°C ~ 40°C
Humedad en funcionamiento	20%~85%
Dimensiones	459,1 (An) x 59,1 (Al) x 177,9 (Pr) mm
Peso	1,5 kg (adaptador excluido)

PREGUNTAS Y RESPUESTAS

Problema	Acción
No se puede comunicar con el controlador.	<ul style="list-style-type: none"> • Compruebe si las líneas de comunicación RS-485 están conectadas correctamente. • Compruebe la conexión del cable entre SPC-7000 y el PC. • Compruebe si la dirección IP del controlador de red es correcta.
La memoria USB no se reconoce correctamente.	<ul style="list-style-type: none"> • Compruebe si la memoria USB funciona correctamente.

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Version 2.1, February 1999

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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