

SAMSUNG TECHWIN

CODIFICADOR DE VÍDEO EM REDE

Manual do usuário

SPE-101



Codificador De Vídeo Em Rede

Manual do usuário

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- Se o sistema apresentar um comportamento anormal devido à execução de um programa irrelevante para a operação do sistema.
- Desempenho deteriorado ou desgaste natural com o passar do tempo for the user
- ❖ Design e especificações estão sujeitos a alterações sem aviso prévio.
- ❖ A senha padrão pode ser exposta a uma ameaça de hackers, portanto é recomendado alterá-la após a instalação do produto.
Observe que a segurança e outras questões relacionadas causadas por uma senha inalterada devem ser de responsabilidade do usuário.

INSTRUÇÕES IMPORTANTES DE SEGURANÇA

1. Leia estas instruções.
2. Guarde estas instruções.
3. Preste atenção a todos os avisos.
4. Siga todas as instruções.
5. Não utilize este leitor próximo à água.
6. Limpe apenas com um pano seco.
7. Não bloqueie as aberturas de ventilação. Instale de acordo com as instruções do fabricante.
8. Não o instale perto de fontes de calor, como radiadores, sistemas de aquecimento ou outros aparelhos que produzam calor, (incluindo amplificadores).
9. O plugue polarizado ou de aterramento desempenha uma importante função de segurança. Um plugue polarizado contém duas lâminas com uma mais larga do que a outra. Um plugue do tipo-terra contém duas lâminas e um terceiro pino de aterramento. A lâmina larga ou o terceiro pino são fornecidos para sua segurança. Se o plugue fornecido não encaixar na tomada, chame um electricista para trocar a tomada inadequada.
10. O cabo de alimentação deve ser posicionado de maneira que não seja deformado nem comprimido, especialmente nos plugues, em tomadas elétricas e nos pontos de saída do leitor.
11. Utilize apenas conexões / acessórios especificados pelo fabricante.
12. Utilize apenas carrinhos, bases, tripés, suportes ou mesas especificados pelo fabricante ou vendidos com o leitor. Ao utilizar um carrinho, tenha cuidado ao deslocá-lo com o leitor, para evitar ferimentos caso tombem.
13. Desligue este leitor da tomada durante tempestades com raios ou quando não for utilizá-lo por um longo período.
14. Todos os serviços de manutenção devem ser executados por técnicos qualificados. A manutenção será necessária quando o leitor for danificado de alguma forma, como danos ao cabo de alimentação ou plugue, derramamento de líquidos ou queda de objetos sobre o leitor, exposição à chuva ou umidade, mau funcionamento ou queda.



AVISO

PARA REDUZIR O RISCO DE INCÊNDIO OU CHOQUE ELÉTRICO, NÃO EXPONHA ESTE PRODUTO À CHUVA OU UMIDADE.

NÃO INSIRA OBJETOS METÁLICOS PELAS GRADES DE VENTILAÇÃO OU POR OUTROS ORIFÍCIOS NO EQUIPAMENTO.

O aparelho não deve ser exposto a goteiras ou respingos e não deve servir de base para recipientes com líquido, como vasos.

CUIDADO

	CUIDADO RISCO DE CHOQUE ELÉTRICO NÃO ABRA	
CUIDADO : PARA REDUZIR O RISCO DE CHOQUE ELÉTRICO, NÃO REMOVA A TAMPA (OU PARTE TRASEIRA). NÃO EXISTEM PEÇAS INTERNAS QUE POSSAM SER REPARADAS PELO USUÁRIO. OS SERVIÇOS DE MANUTENÇÃO DEVEM SER EXECUTADOS POR TÉCNICOS QUALIFICADOS.		

EXPLICAÇÃO DOS SÍMBOLOS GRÁFICOS



O raio com uma seta na ponta dentro de um triângulo equilátero destina-se a alertar o usuário sobre a presença de "tensão perigosa" dentro da caixa do produto, cuja grandeza talvez seja suficiente para constituir risco de choque elétrico nas pessoas.



O ponto de exclamação dentro de um triângulo equilátero tem o objetivo de alertar o usuário sobre a presença de importantes instruções de operação e manutenção (serviço) na literatura que acompanha o produto.

Construção de Classe I

Um aparelho com construção de CLASSE I deve ser conectado a uma tomada elétrica com uma conexão de terra para proteção.

Bateria

As baterias (a unidade da bateria ou baterias instaladas) não devem ser expostas a calor excessivo, como luz do sol, fogo ou situações semelhantes.

CUIDADO

Risco de explosão se a bateria for substituída por um tipo incorreto de bateria. Descarte as baterias usadas de acordo com as instruções.

Estas instruções de manutenção devem ser praticadas apenas pela equipe técnica qualificada.

Para reduzir o risco de choque elétrico, não execute qualquer outra manutenção que não seja a contida nas instruções de operação, a menos que você seja qualificado para executá-la.

visão geral

Leia as seguintes precauções recomendadas de segurança com atenção.

- Não coloque este aparelho em uma superfície irregular.
- Não o instale em uma superfície onde ficará exposto à luz direta do sol, perto de equipamentos que emitem calor ou áreas extremamente frias.
- Não coloque este aparelho próximo de materiais condutores.
- Não tente reparar pessoalmente este aparelho.
- Não coloque um copo de água sobre o produto.
- Não o instale perto de fontes magnéticas.
- Não bloqueie as aberturas de ventilação.
- Não coloque objetos pesados sobre o produto.

O Manual do Usuário é um guia contendo informações sobre como usar o produto.

O significado dos símbolos no manual é o seguinte:

- Referência : caso existam informações que ajudam a usar o produto
- Nota : caso exista qualquer possibilidade de ocorrerem danos ao produto e ao ser humano causados pelo não cumprimento das instruções
- ✖ Leia este manual quanto aos itens de segurança antes de usar o produto e mantenha-o em local seguro.

VISÃO GERAL

3

- 3 Instruções Importantes de Segurança
- 9 Recursos do Produto
- 9 Especificações Recomendadas para PC
- 10 Itens Fornecidos
- 11 Informações Resumidas

INSTALAÇÃO E CONEXÃO

13

- 13 Conectando a Outro Dispositivo

CONEXÃO E CONFIGURAÇÃO DE REDE

16

- 16 Conectando o codificador de vídeo em rede diretamente à rede de área local
- 17 Conectando o Codificador de Vídeo em Rede Diretamente a um Modem DSL/a Cabo com Base em DHCP
- 18 Conectando o Codificador de Vídeo em Rede Diretamente a um Modem PPPoE
- 19 Conectando o Codificador de Vídeo em Rede a um Roteador de Banda Larga com o Modem PPPoE/a Cabo
- 20 Botões usados no Instalador de IP
- 21 Configuração de IP Estático
- 24 Configuração de IP Dinâmico
- 25 Configuração do Avanço da Faixa da porta (Mapeamento de Porta)
- 27 Conectando ao Dispositivo de Rede de um PC Local Compartilhado
- 27 Conectando ao Codificador de Vídeo em Rede a Partir de um PC Remoto Por Meio da Internet

VISUALIZADOR DA WEB

28

- 28 Conectando ao Codificador de Vídeo em Rede
- 29 Login
- 30 Instalando o Silverlight Runtime
- 34 Instalando o Plugin do STW WebViewer
- 36 Usando a Tela ao Vivo

TELA DE CONFIGURAÇÃO

39

- 39 Configurar
- 39 Configuração de Vídeo
- 46 Configuração de Rede
- 56 Configuração de Evento
- 65 Configuração do Sistema

APÊNDICE

72

- 72 Especificações
- 74 Exibição do Produto
- 75 Solução de Problemas
- 76 Open Source License Notification On The Product

RECURSOS DO PRODUTO

- **Fluxo contínuo múltiplo**

Este codificador de vídeo em rede pode exibir vídeos em diferentes resoluções e qualidades simultaneamente com diferentes CODECs.



- No entanto, vídeos MPEG-4 não podem ser reproduzidos em uma página da Web. Use o software CMS se quiser reproduzi-los em uma página da Web.

- **Oferece suporte a vários protocolos de comunicação**

- **Monitoramento baseado em navegador da Web**

Usando o navegador da Web para exibir a imagem em um ambiente de rede local.

- **Alarme**

Se ocorrer um evento, o vídeo do evento será enviado ao FTP/endereço de e-mail que você registrou.

- **Conformidade com ONVIF**

Este produto oferece suporte para ONVIF.

Para obter mais informações, consulte www.onvif.org.



Driving network video through global standardization

ESPECIFICAÇÕES RECOMENDADAS PARA PC

- CPU : Intel Core 2 Duo 2,4 GHz ou superior
 - O Plug-in web é otimizado para o Conjunto de Instruções de SSE 4.1.
- Sistema operacional : Windows XP, VISTA, 7, Mac OS X 10.7 ou superior
- Resolução : 1280X1024 pixels ou superior (Cor de 32 bits)
- RAM : 2 GB ou superior
- Navegador da Web : Internet Explorer 7.0 ou superior, Firefox 9.0 ou superior, Chrome 15.0 ou superior, *Safari 5.1 ou superior
 - Nem a versão de teste beta, diferente da versão lançada no site da empresa, nem a versão do desenvolvedor serão suportadas.
 - Para conexão IPv6, é recomendável Window 7 ou superior.
 - Para Mac OS X, é apenas suportado o navegador Safari.
- Memória de vídeo : 256 MB ou superior
 - Se o driver do adaptador gráfico de vídeo não estiver instalado apropriadamente ou se não for a versão mais recente, o vídeo pode não ser exibido adequadamente.
 - Para um sistema de monitoração múltipla envolvendo pelo menos 2 monitores, o desempenho de reprodução pode ser deteriorado dependendo do sistema.



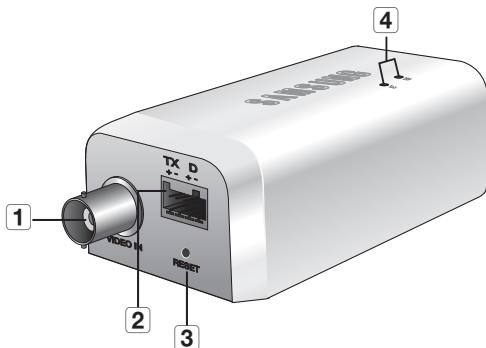
ITENS FORNECIDOS

Verifique se seu codificador de vídeo em rede e os acessórios estão inclusos no pacote do produto.

Aparência	Nome do item	Quantidade	Descrição
	Codificador de vídeo em rede	1	
	Manual de Instruções, CD de instalação	1	Manual do Usuário, Guia de consulta rápida, Programa de software do IP Installer
	DVD do S/W CMS	1	Programa de software do NET-i Viewer
	Guia de consulta rápida (Opcional)	1	
	Cartão de garantia (Opcional)	1	
	Tarraxas (M3 X L12)	2	Usadas para instalação em parede ou teto
	Parafusos pequenos com fenda (M2.6 X L6)	2	Usados para fixar o produto no suporte ou na bandeja
	Suporte	1	Usado para fixar o produto no teto ou na parede
	Bandeja	1	Usada para fixar o produto no compartimento
	Bloco de terminal de 4 pinos	1	Usado para comunicação RS-485/422
	Bloco de terminal de 2 pinos	1	Usado para conexão de alimentação

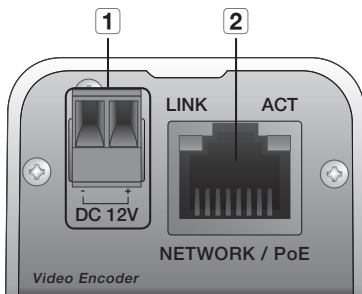
INFORMAÇÕES RESUMIDAS

Parte frontal



Item	Descrição	
1 Porta de entrada de vídeo	Porta BNC para entrada de vídeo.	
2 Porta BNC para entrada de vídeo	TX+, TX	Linha de dados TX RS-422 ■ Não está disponível no modo RS-485.
	D+, D-	Linha de dados RX RS-422 ou Linha de dados RS-485
3 Botão Reset	Mantenha pressionado por 5 segundos para retornar todas as configurações ao padrão de fábrica.	
4 Rede, Indicadores de alimentação	NET	Quando a conexão de rede é estabelecida, o indicador verde pisca.
	PWR	Azul: o sistema está no processo de inicialização. Piscando em verde: o indicador verde piscará se nenhum IP for obtido no servidor DHCP. Verde: o indicador verde acenderá se um IP for normalmente obtido no servidor DHCP.

Parte traseira

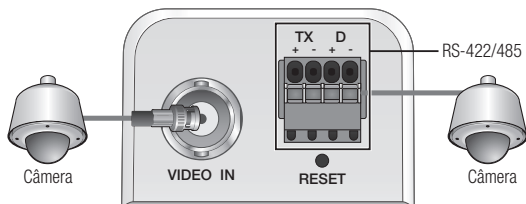


Item	Descrição
1 Porta de alimentação	Usado para conectar a fonte de alimentação especificada.
2 Porta de rede	Usada para conectar um cabo PoE ou Ethernet.

CONECTANDO A OUTRO DISPOSITIVO

Conectando a câmera

Conecte a porta **[VIDEO IN]** do codificador de vídeo em rede à porta de saída de vídeo da câmera.

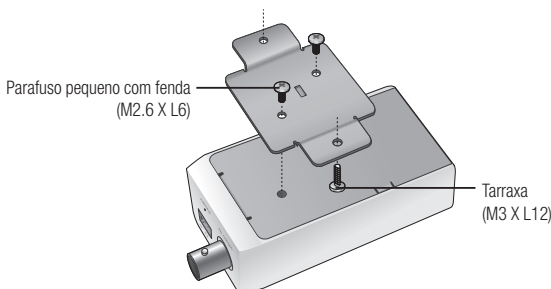


Usando o suporte ou a bandeja

Alinhe o produto aos orifícios do suporte. Insira e aperte o parafuso pequeno com fenda fornecido (M2.6 X L6) para fixar o produto no suporte. As instruções também se aplicam ao usar a bandeja.



- Use os parafusos pequenos com fenda fornecidos (M2.6 X L6) ao instalar a bandeja ou suporte no produto. Se você usar qualquer outro parafuso, isso poderá danificar o produto.



instalação e conexão

Conectando ao dispositivo RS-422/485

Conecte o dispositivo externo às portas [D+, D-].

Você pode conectar e controlar a câmera PTZ que oferece suporte à comunicação do RS-485.

Porta	Descrição	Porta	Descrição
TX+	Linha de dados TX RS-422	D+	Linha de dados RX RS-422 ou Linha de dados RS-485
TX-	■ Não está disponível no modo RS-485.	D-	

Conexão do sinal de controle

- Comunicação RS-485



- Comunicação RS-422



- Dependendo do tipo de câmera, a polaridade de conexão pode ser diferente.
Para obter mais informações, consulte a respectiva documentação da Câmera PTZ.

Conexão Ethernet

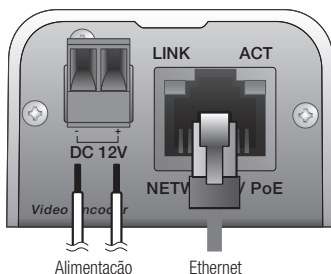
Conecte o cabo Ethernet à rede local ou à Internet.

Fonte de alimentação

Use a chave de fenda para conectar cada linha (+, -) do cabo de alimentação à porta de alimentação correspondente do codificador de vídeo em rede.



- Tenha cuidado para não inverter a polaridade quando conectar o cabo de alimentação. Também é possível usar um roteador que tenha PoE (Power over Ethernet) para fornecer alimentação ao dispositivo.
- Se PoE e 12VCC forem aplicados, este dispositivo será alimentado com alimentação PoE.
- Se você quiser conectar um dispositivo externo, precisará desativar o dispositivo externo antes de continuar.



Resistência elétrica do fio de cobre a [20°C (68°F)]

Diâmetro do fio de cobre (AWG)	#24(0,22mm ²)	#22(0,33mm ²)	#20(0,52mm ²)	#18(0,83mm ²)
Resistência (Ω/m)	0,078	0,050	0,030	0,018
Queda de tensão (V/m)	0,028	0,018	0,011	0,006
Distância recomendada (m)	Inferior a 20	Inferior a 30	Inferior a 30	Inferior a 30

- Conforme mostrado na tabela acima, você pode encontrar um afundamento de tensão, dependendo do comprimento do fio.
Se você usar um fio excessivamente comprido para conexão do codificador de vídeo em rede, ele pode não funcionar apropriadamente.
 - Tensão de operação do codificador de vídeo em rede: 12VCC±10%
 - As medidas de queda de tensão no gráfico acima podem variar dependendo do tipo e fabricante do fio de cobre

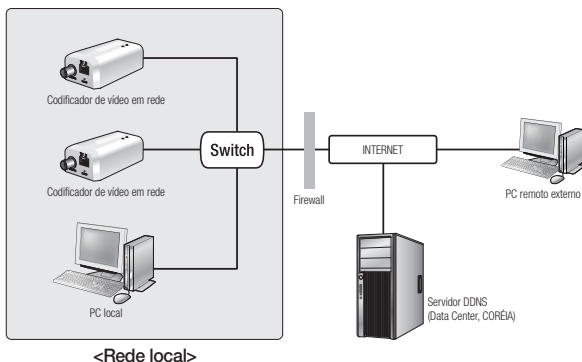
conexão e configuração de rede

É possível ajustar as definições da rede de acordo com suas configurações de rede.

CONECTANDO O CODIFICADOR DE VÍDEO EM REDE DIRETAMENTE À REDE DE ÁREA LOCAL

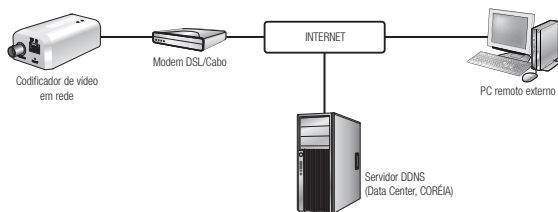
Conectando ao codificador de vídeo em rede a partir de um PC local na LAN

1. Inicie um navegador de Internet ao PC local.
2. Insira o endereço IP do codificador de vídeo em rede na barra de endereços do navegador.



- Um PC remoto em uma Internet externa fora da rede LAN talvez não consiga se conectar ao codificador de vídeo em rede instalado na intranet se o encaminhamento de porta não estiver corretamente configurado ou se um firewall estiver configurado. Neste caso, para resolver o problema, entre em contato com o administrador de rede.
- Por padrão de fábrica, o endereço IP será atribuído a partir do servidor DHCP automaticamente. Se não houver servidor DHCP disponível, o endereço IP será configurado como 192.168.1.100. Para alterar o endereço IP, use o IP Installer. Para obter mais detalhes sobre como usar o IP Installer, consulte "**Configuração de IP Estático**". (Página 21)

CONECTANDO O CODIFICADOR DE VÍDEO EM REDE DIRETAMENTE A UM MODEM DSL/A CABO COM BASE EM DHCP



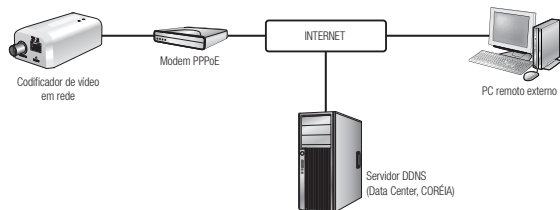
1. Conecte o PC do usuário diretamente ao codificador de rede de vídeo.
2. Execute o IP Installer e altere o endereço IP do codificador de vídeo em rede para que você possa usar o navegador da Web em sua área de trabalho para conectar-se à Internet.
3. Use o navegador da Internet para conectar-se ao visualizador da web.
4. Vá para a página **[Setup]**.
5. Vá para **[Network] – [DDNS]** e defina as configurações do DDNS.
6. Vá para **[Network] – [Interface]** e configure o tipo de rede como **[DHCP]**.
7. Conecte o codificador de vídeo em rede, que foi removido do PC, diretamente para o modem.
8. Reinicie o codificador de vídeo em rede.



- Para registrar as configurações do DDNS, consulte "**Registrando com DDNS**". (página 49)
- Para definir as configurações do DDNS, consulte "**DDNS**". (página 48)
- Para definir o tipo de rede, consulte "**Interface**". (página 46)

conexão e configuração de rede

CONECTANDO O CODIFICADOR DE VÍDEO EM REDE DIRETAMENTE A UM MODEM PPPoE



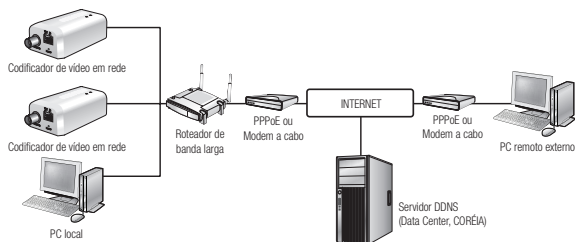
1. Conecte o PC do usuário diretamente ao codificador de rede de vídeo.
2. Execute o IP Installer e altere o endereço IP do codificador de vídeo em rede para que você possa usar o navegador da Web em sua área de trabalho para conectar-se à Internet.
3. Use o navegador da Internet para conectar-se ao visualizador da web.
4. Vá para a página **[Setup]**.
5. Vá para **[Network] – [DDNS]** e defina as configurações do DDNS.
6. Vá para **[Network] – [Interface]** Página de Configuração, defina o tipo de rede para **[PPPoE]**, e introduza a ID e senha.
7. Conecte o codificador de vídeo em rede, que foi removido do PC, diretamente para o modem.
8. Reinicie o codificador de vídeo em rede.



- Para registrar as configurações do DDNS, consulte **"Registrando com DDNS"**. (página 49)
- Para definir as configurações do DDNS, consulte **"DDNS"**. (página 48)
- Para definir o tipo de rede, consulte **"Interface"**. (página 46)

CONECTANDO O CODIFICADOR DE VÍDEO EM REDE A UM ROTEADOR DE BANDA LARGA COM O MODEM PPPoE/A CABO

Isso se aplica a um pequeno ambiente de rede, tal como casas, SOHO e lojas comuns.



Definindo as configurações de rede do PC local conectado a um roteador de banda larga

Ao definindo as configurações de rede do PC local conectado a um roteador de banda larga, siga as instruções abaixo.

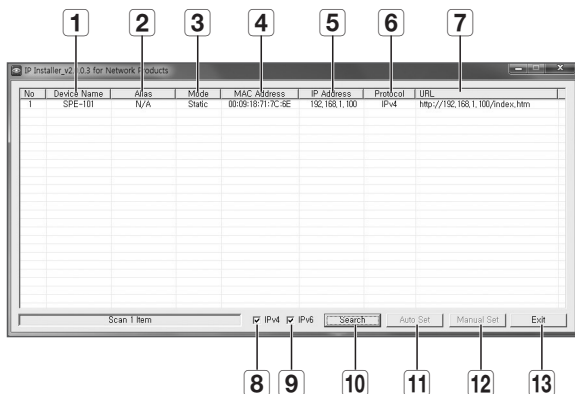
- Seleccione : <Network Neighborhood> → <Properties> → <Local Area Connection> → <Properties> → <General> → <Internet Protocol (TCP/IP)> → <Properties> → <Obtain an IP address automatically> or <Use the following IP address>.
- Siga as instruções abaixo, se seleccionar <Usar o seguinte endereço IP>:
 - Por ex 1) Se o endereço (LAN IP) do roteador de banda larga for 192.168.1.1
 Endereço IP : 192.168.1.100
 Máscara de sub-rede : 255.255.255.0
 Gateway padrão : 192.168.1.1
 - Por ex 2) Se o endereço (LAN IP) do roteador de banda larga for 192.168.0.1
 Endereço IP : 192.168.0.100
 Máscara de sub-rede : 255.255.255.0
 Gateway padrão : 192.168.0.1
 - Por ex 3) Se o endereço (LAN IP) do roteador de banda larga for 192.168.xxx.1
 Endereço IP : 192.168.xxx.100
 Máscara de sub-rede : 255.255.255.0
 Gateway padrão : 192.168.xxx.1



- Para o endereço do roteador de banda larga, consulte a documentação do produto.
- Para obter mais informações sobre o encaminhamento de porta do roteador de banda larga, consulte "Configuração do Avanço da Faixa da Porta (Mapeamento de Porta)". (Página 25)

conexão e configuração de rede

BOTÕES USADOS NO INSTALADOR DE IP



Item	Descrição
1 Device Name	Nome do modelo do dispositivo de rede conectado. Clique na coluna para classificar a lista por nome de modelo. No entanto, se você clicar com o mouse a pesquisa será interrompida.
2 Alias	Esta função não está implementada atualmente.
3 Mode	Exibe <Static>, <Dynamic> ou <PPPoE> para o status atual de conexão de rede atual.
4 MAC(Ethernet) Address	Endereço Ethernet do dispositivo de rede conectado. Clique na coluna para classificar a lista por endereço Ethernet. No entanto, se você clicar com o mouse a pesquisa será interrompida.
5 IP Address	Endereço IP. Clique na coluna para classificar a lista por endereço IP. No entanto, se você clicar com o mouse a pesquisa será interrompida.
6 Protocol	Configurações de rede do dispositivo de rede. O padrão de fábrica é "IPv4". Se um codificador de vídeo em rede for configurado para IPv6, ele mostrará IPv6.

Item	Descrição
7 URL	O endereço de URL DDNS que permite o acesso da Internet externa. No entanto, isso será substituído pelo <IP Address> da codificador , se o registro DDNS tiver falhado.
8 IPv4	Rastreia dispositivos de rede com a configuração IPv4.
9 IPv6	Rastreia dispositivos de rede com a configuração IPv6. Ativado em um ambiente compatível com IPv6.
10 Search	Rastreia dispositivos de rede atualmente conectados à rede. No entanto, este botão ficará desativado se não forem marcadas a opção IPv4 nem a IPv6.
11 Auto Set	O Instalador IP define as configurações de rede automaticamente.
12 Manual Set	Você deve definir as configurações de rede manualmente.
13 Exit	Sai do programa Instalador IP.



- Para o IP Installer, use apenas a versão do instalador fornecida no CD de instalação ou use a última, se disponível. Você pode baixar a última versão no site da Samsung (www.samsungcctv.com).

CONFIGURAÇÃO DE IP ESTÁTICO

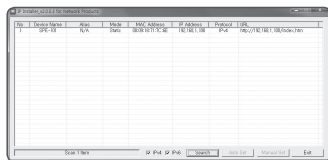
Configuração de rede manual

Execute <IP Installer_v2.XX.exe> para exibir a lista de pesquisa de dispositivos de rede. Na inicialização inicial, as opções [Auto Set] e [Manual Set] ficarão desativadas.



- Para dispositivos de rede encontrados na configuração IPv6, esses botões ficarão desativados, pois os dispositivos de rede não oferecem suporte para esta função.

- Selecione um dispositivo de rede do resultado da pesquisa.
Verifique o endereço MAC do dispositivo no rótulo do dispositivo de rede.
As opções [Auto Set] e [Manual Set] serão ativadas.



- Clique em [Manual Set].
A caixa de diálogo de configuração manual é exibida.

<IP Address>, <Subnet Mask>, <Gateway>, <HTTP Port>, e <VNP Port> dos dispositivos de rede são exibidos nos valores predefinidos.

conexão e configuração de rede

3. No painel <Address>, forneça as informações necessárias.

- MAC (Ethernet) Address : O endereço MAC impresso no rótulo do dispositivo de rede é exibido automaticamente e não requer nenhuma configuração de usuário.



- Os parâmetros relacionados com IP podem apenas ser definidos quando DHCP não está assinalado.

Manual Setting dialog box with the following fields:

- Address: ☐ DHCP
- MAC Address: 00:09:18:00:01:2C
- IP Address: 192 . 168 . 1 . 100
- Subnet Mask: 255 . 255 . 255 . 0
- Gateway: 192 . 168 . 1 . 1
- Password:
- Port: HTTP Port 80, VNP Port 4520
- Buttons: OK, Cancel

Se estiver usando um roteador de banda larga

- IP Address : insira um endereço que esteja no intervalo de IPs fornecido pelo roteador de banda larga.
Por ex) 192.168.1.2~254,
192.168.0.2~254,
192.168.XXX.2~254
- Subnet Mask : a <Subnet Mask> do roteador de banda larga será a <Subnet Mask> do codificador de vídeo em rede.
- Gateway : o <Local IP Address> do roteador de banda larga será o <Gateway> do codificador de vídeo em rede.



- As configurações podem ser diferentes dependendo do modelo do roteador de banda larga conectado. Para obter mais informações, consulte o manual do usuário do roteador aplicável.
- Para obter mais informações sobre o encaminhamento de porta do roteador de banda larga, consulte "Configuração do Avanço da Faixa da Porta (Mapeamento de Porta)". (Página 25)

Wireless G Broad Setup screen with the following sections:

- Setup: Basic Setup, Wireless, Security, Access Restrictions, Applications & Gaming
- Internet Setup: Internet Connection Type: Automatic Configuration - DHCP
- Optional Settings (required by some ISPs): Router Name: Router_1, Host Name: , Domain Name: , MTU: Manual, Size: 1400
- Network Setup: Router IP: Local IP Address: 192 . 168 . 1 . 1, Subnet Mask: 255 . 255 . 255 . 0

Se não estiver usando um roteador de banda larga

Para configurar <IP Address>, <Subnet Mask> e <Gateway>, entre em contato com seu administrador de rede.

4. No painel <Port>, forneça as informações necessárias.

- HTTP Port : Usada para acessar o dispositivo de rede, usando o navegador da Internet, padrão 80.
- VNP Port : Usada para controlar a transferência de sinal, definida, por padrão, como 4520.

5. Digite a senha.

Introduza a senha da conta "admin" que foi usada para acessar ao dispositivo de rede.

A senha padrão é "4321".

Manual Setting dialog box with the following fields:

- Address: ☐ DHCP
- MAC Address: 00:09:18:00:01:2C
- IP Address: 192 . 168 . 1 . 100
- Subnet Mask: 255 . 255 . 255 . 0
- Gateway: 192 . 168 . 1 . 1
- Password:
- Port: HTTP Port 80, VNP Port 4520
- Buttons: OK, Cancel



- A senha padrão pode ficar exposta a ameaças de hacker, portanto, recomenda-se alterar a senha após instalar o produto.
Observe que a segurança e outros problemas relacionados causados pela senha não alterada serão responsabilidade do usuário.
- Se pretender alterar a palavra-passe, consulte a secção “**Alteração de senha de administrador**” da configuração do utilizador. (página 67)

6. Clique em [OK].

A configuração de rede manual será concluída.

Se o roteador de banda larga tiver mais de um codificador de vídeo em rede conectado

Configure o endereço IP e campos relacionados à porta dos codificador de vídeo em rede de maneira diferente.

Categoria		Codificador de vídeo em rede 1	Codificador de vídeo em rede 2
Configurações relacionadas ao IP	IP Address	192.168.1.100	192.168.1.101
	Subnet Mask	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
Configurações relacionadas à porta	HTTP Port	8080	8081
	VNP Port	4520	4521



- Se a <HTTP Port> estiver configurada para um valor que não seja 80, você terá que fornecer o número de <Port> na barra de endereços do navegador de Internet antes que possa acessar o codificador de vídeo em rede.

Por ex) http://IP address : HTTP Port

http://192.168.1.100:8080

Configuração de rede automática

Execute <IP Installer_v2.XX.exe> para exibir a lista de pesquisa de dispositivos de rede. Na inicialização inicial, tanto [Auto Set] como [Manual Set] estarão esmaecidos.

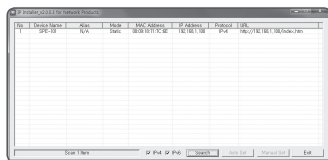


- Para dispositivos de rede encontrados na configuração IPv6, esses botões ficarão desativados, pois as câmeras não oferecem suporte para esta função.

1. Selecione um dispositivo de rede do resultado da pesquisa.

Verifique o endereço MAC do dispositivo no rótulo do dispositivo de rede.

Tanto o botão [Auto Set] como o botão [Manual Set] estarão ativados



conexão e configuração de rede

2. Clique em **[Auto Set]**.

A caixa de diálogo Auto Setting é exibida. <IP Address>, <Subnet Mask> e <Gateway> serão automaticamente configurados.

3. Digite a senha.

Introduza a senha da conta “admin” que foi usada para acessar ao dispositivo de rede.

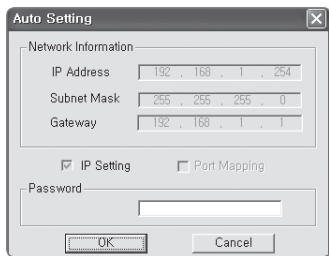
A senha padrão é “4321”.



- A senha padrão pode ficar exposta a ameaças de hacker, portanto, recomenda-se alterar a senha após instalar o produto.

Observe que a segurança e outros problemas relacionados causados pela senha não alterada serão responsabilidade do usuário.

- Se pretender alterar a palavra-passe, consulte a secção “Alteração de senha de administrador” da configuração do utilizador. (página 67)



4. Clique em **[OK]**.

A configuração de rede automática será concluída.

CONFIGURAÇÃO DE IP DINÂMICO

Configuração de ambiente de IP dinâmico

• Exemplo do ambiente de IP dinâmico

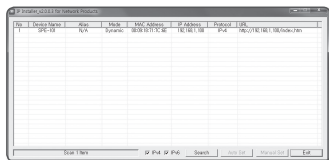
- Se um roteador de banda larga com um dispositivo de rede conectado tiver um endereço IP atribuído pelo servidor DHCP
- O dispositivo de rede é conectado diretamente a um modem baseado em DHCP
- Se os IPs estiverem designados ao servidor DHCP interno através da LAN

Verificando o IP dinâmico

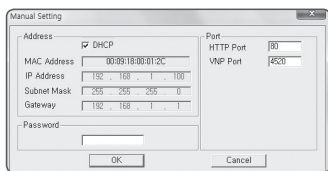
1. Execute o Instalador IP no computador local do usuário.

Os dispositivos de rede alocados com endereço <Dynamic IP> são exibidos na lista.

2. Selecione um dispositivo de rede a partir dos resultados da pesquisa.



3. Clique no botão **[Manual Set]** e verifique o endereço **<Dynamic IP>** do dispositivo de rede. Se desmarcar **<DHCP>**, pode alterar o IP para **<Static>**.

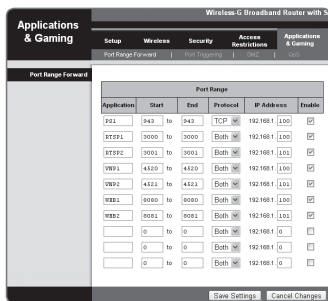


CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

Se você instalou um roteador de banda larga com um codificador de vídeo em rede conectado, será necessário configurar o encaminhamento do intervalo de portas no roteador de banda larga para que um PC remoto possa acessar o codificador de vídeo em rede em seu interior.

Avanço manual da faixa da porta

1. A partir do menu Setup do roteador de banda larga, selecione **<Applications & Gaming>** - **<Port Range Forward>**. Para configurar o avanço da faixa da porta para um roteador de banda larga de terceiros, consulte o guia do usuário desse roteador de banda larga.
2. Selecione **<TCP>** e **<UDP Port>** para cada codificador de vídeo em rede conectado ao roteador de banda larga. Cada número de porta para o Roteador de Banda Larga deve corresponder ao especificado em **<Setup>** - **<Network>** - **<Porta>** no menu do visualizador web do codificador.
3. Quando concluído, clique em **[Save Settings]**. Suas configurações serão salvas.



- As instruções de exemplo acima são baseadas no Roteador de banda larga da CISCO.
- As configurações podem ser diferentes dependendo do modelo do roteador de banda larga conectado. Para obter mais informações, consulte o manual do usuário do roteador aplicável.

conexão e configuração de rede

Configurando o encaminhamento do intervalo de portas para vários codificadores de vídeo em rede

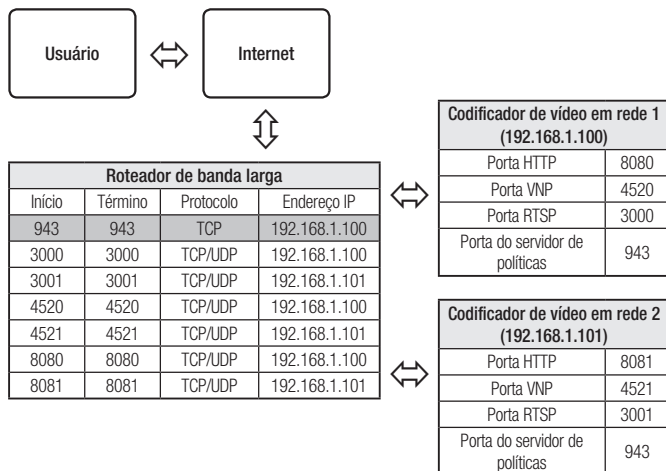
Quando vários codificadores de vídeo em rede estiverem conectados a um dispositivo roteador de banda larga, será preciso encaminhar a porta TCP 943 do roteador para a porta TCP 943 de um codificador de vídeo em rede conectado.



- Se você não configurar corretamente a porta TCP 943 do roteador, não será possível obter um fluxo de vídeo da página do codificador de vídeo em rede na Web.

- A porta TCP 943 é uma porta para o servidor de políticas Silverlight de um codificador de vídeo em rede.
- Você pode definir uma regra de encaminhamento de porta no roteador de banda larga por meio da página de configuração do mesmo na Web.
- Você não pode alterar a porta do servidor de políticas Silverlight de um codificador de vídeo em rede.
- Você pode alterar as portas do codificador de vídeo em rede, exceto a porta do servidor de políticas por meio das páginas de configuração na Web.

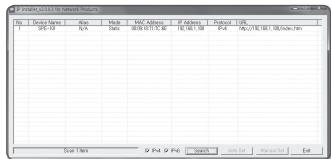
Quando o codificador de vídeo em rede 1 e o codificador de vídeo em rede 2 estiverem conectados a um roteador:



- O encaminhamento de porta pode ser feito sem configuração adicional do roteador caso o roteador ofereça suporte à função UPnP (Universal Plug and Play). Após conectar o codificador, configure <Conexão rápida> de <Samsung DDNS> para <Lig.> no menu "Setup → Network → DDNS".

CONECTANDO AO DISPOSITIVO DE REDE DE UM PC LOCAL COMPARTILHADO

1. Execute o Instalador IP.
Ele pesquisa dispositivos de rede conectados e exibe na lista.
2. Clique duas vezes no dispositivo de rede desejado para se conectar.
O navegador da Internet inicia e se conecta ao dispositivo de rede.



- Você também pode acessar o codificador de vídeo digitando o endereço IP do dispositivo de rede encontrado na barra de endereços do navegador da Internet.

CONECTANDO AO CODIFICADOR DE VÍDEO EM REDE A PARTIR DE UM PC REMOTO POR MEIO DA INTERNET

Uma vez que não é permitido o uso do IP Installer em um computador remoto que não se encontra no cluster de redes do roteador de banda larga, os usuários podem acessar os codificadores de vídeo em rede dentro de uma rede do roteador de banda larga usando o URL DDNS do codificador de vídeo em rede.

1. Antes de acessar um codificador de vídeo em rede na rede do roteador de banda larga, você deve ter configurado o encaminhamento do intervalo de portas para o roteador de banda larga.
2. No PC remoto, ative o navegador da Internet e digite o endereço de URL DDNS do codificador de vídeo em rede ou o endereço IP do roteador de banda larga na barra de endereços.
Por ex) <http://www.samsungipolis.com/ID do produto>



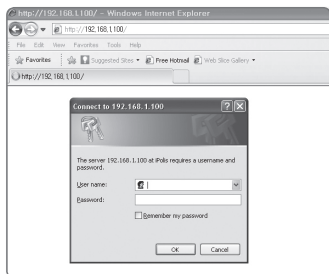
- Para registrar as configurações do DDNS, consulte **"Registrando com DDNS"**. (página 49)

visualizador da web

CONECTANDO AO CODIFICADOR DE VÍDEO EM REDE

Normalmente, você

1. Inicia o navegador da Internet.
2. Digite o endereço IP do codificador de vídeo em rede na barra de endereços.
Por ex) • Endereço IP (IPv4) :
192.168.1.100 → http://192.168.1.100
- A caixa de diálogo Login deverá aparecer.
• Endereço IP (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111
→ http://[2001:230:abcd:ffff:ffff:1111]
- A caixa de diálogo Login deverá aparecer.



Se a porta HTTP for diferente de 80

1. Inicia o navegador da Internet.
2. Digite o endereço IP e o número da porta HTTP do codificador de vídeo em rede na barra de endereços.
Por ex) Endereço IP : 192.168.1.100: Número da porta HTTP (8080)
→ http://192.168.1.100:8080 - A caixa de diálogo Login deverá aparecer.

Usando URL

1. Inicia o navegador da Internet.
2. Digite o URL DDNS do codificador de vídeo em rede na barra de endereços.
Por ex) Endereço URL: http://www.samsungipolis.com/ID do produto
- A caixa de diálogo Login deverá aparecer.



- A conexão de rede é apenas desativada no ambiente LAN.

Para verificar o endereço DDNS

Se o codificador de vídeo em rede estiver conectado diretamente ao modem a cabo DHCP, modem DSL ou modem PPPoE, o endereço IP de sua rede será alterado sempre que você tentar se conectar ao servidor ISP (Provedor de serviço de Internet).

Se esse for o caso, você não será informado do endereço IP alterado por DDNS.

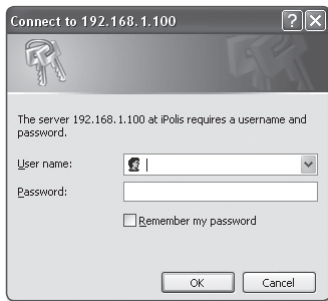
Uma vez que você registrar um dispositivo baseado em IP dinâmico com o servidor DDNS, poderá facilmente verificar o IP alterado quando tentar acessar o dispositivo.

Para registrar o seu dispositivo no servidor <DDNS>, visite www.samsungipolis.com e registre o dispositivo primeiro; em seguida, configure <Network> - <DDNS> do Visualizador da Web para <Samsung DDNS> e forneça o <ID do produto> usado no registro do DDNS.

LOGIN

Sempre que acessar ao codificador, aparece a janela de login. Introduza a ID e a senha do usuário para acessar ao codificador.

1. Digite **"admin"** na caixa de entrada <User name>.
O ID do administrador, **"admin"**, é fixo e não pode ser alterado.
2. Digite **"4321"** na caixa de entrada <Password>.
Se a senha for alterada, digite a senha alterada.
3. Clique em [OK].
Se você efetuou login com sucesso, verá a tela do Visualizador ao vivo.



-  O ID de usuário padrão é **"admin"** e a senha padrão é **"4321"**.
- Para propósitos de segurança, certifique-se de alterar a senha em <System> - <Usuário>.
- A senha padrão pode ser exposta a uma ameaça de hackers, portanto é recomendado alterá-la após a instalação do produto.
Observe que a segurança e outras questões relacionadas causadas por uma senha inalterada devem ser de responsabilidade do usuário.
- Ao marcar a opção **"Remember my password"** quando sua entrada for concluída, você será conectado automaticamente sem ser avisado para inserir as informações de login da próxima vez que conectar.

-  Você experimentará a melhor qualidade de vídeo se o tamanho da tela estiver em 100%. A redução da proporção pode cortar a imagem nas margens.

INSTALANDO O SILVERLIGHT RUNTIME

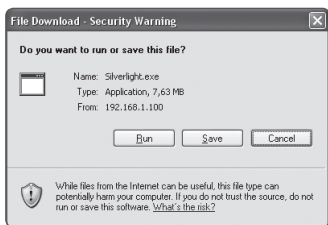
Se seu PC não tiver o Silverlight Runtime instalado ou acaba de ser instalada uma versão antiga, você será redirecionado para a página de instalação do Silverlight Runtime automaticamente ao acessar o Visualizador da Web.

❖ Para instalar no Sistema Operacional Windows

1. Clique em <Click Here>.



2. Quando a caixa de diálogo de download de arquivo aparecer, clique em <Run>.



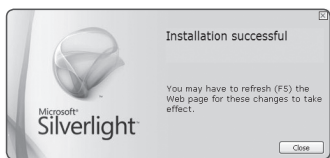
3. Quando o download for concluído, clique em <Run>.



4. A página de instalação do Silverlight Runtime será exibida. Clique em <Install now> para continuar com a instalação.



5. Quando concluído, clique em <Close>.



❖ Para instalar no Sistema Operacional MAC OS

1. Execute o arquivo terminado com “.dmg”.



2. Execute o arquivo do pacote de instalação criado automaticamente, terminado em “.pkg”.



3. Clique em <Continue>.



visualizador da web

4. Selecione o seu idioma na tela de seleção de idiomas e clique em **<Continue>**.



5. Clique em **<Agree>**.



6. Clique em **<Install>**.



7. Insira a senha da conta conectada no momento e clique em **<Install Software>**, e continue.



8. Ao concluir, clique em **<Close>**.



visualizador da web

INSTALANDO O PLUGIN DO STW WebViewer

Ao conectar ao codificador pela primeira vez, irá visualizar a mensagem de instalação. Em seguida, instale o Plugin do WebViewer necessário para acessar ao codificador e controlar o vídeo em tempo real.

1. Quando é acessada a página de monitoramento pela primeira vez, é exibida a página de instalação. Clique em **[Click Here]** para iniciar a instalação.

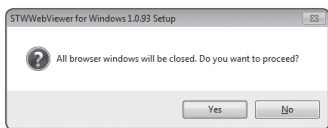


- Se o estado de download do plug-in do arquivo de instalação for suspenso em 99% no navegador Internet Explorer, tente novamente após selecionar "Release SmartScreen filter" em "Tool → SmartScreen filter".

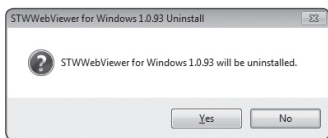
2. Clique em **[Run]** na janela da mensagem.



3. Clique em **[Yes]** quando for exibida a janela de aviso que diz que todas as janelas de navegação serão encerradas.

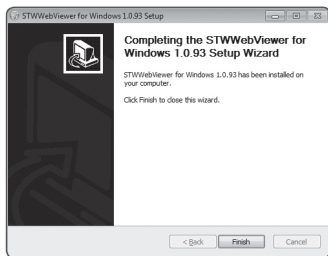
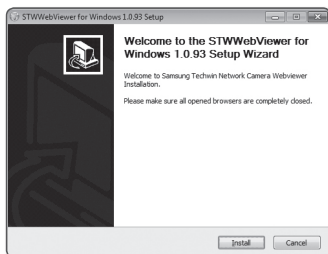
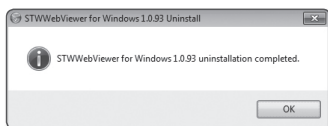


4. Quando é instalada a versão antiga de Web Viewer Plug-in, é exibida uma janela de aviso que diz que a versão antiga será excluída. Clique em **[Yes]** quando é exibida a janela de aviso.



- As etapas 4 e 5 serão ignoradas se não for instalado nenhum Web Viewer Plug-in.

5. Clique em **[OK]**.
A versão antiga de Web Viewer Plug-in está excluída.
6. Clique em **[Install]** para iniciar a instalação do Web Viewer Plug-in.
7. Clique em **[Finish]**.
A instalação do Plug-in STW Web Viewer está concluída.



visualizador da web

USANDO A TELA AO VIVO

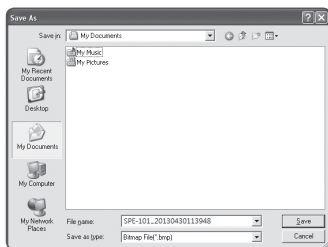


Item	Descrição
1 Monitoração	Vai para a tela de monitoramento.
2 Configurar	Vai para a tela de configuração.
3 Tela do visualizador	Exibe o vídeo ao vivo na tela. ■ Você pode usar a roda do mouse para ativar o zoom digital na tela do Visualizador.
4 Tipo de perfil	Você pode selecionar um tipo de perfil em <Perfil de vídeo> no menu de configuração, guia <Video>. ■ Quando o visualizador web está conectado, são exibidas as informações do perfil em uso no momento.
5 Otimização da Tela	O tamanho do vídeo da câmera será alternado para o tamanho do navegador Web.
6 Ajuste a resolução	Independente da configuração de resolução definida na câmera, ela define a resolução para 640x480. Pressione o botão novamente para retornar à resolução padrão.

Item	Descrição
7 Tela inteira	Altere o vídeo atual para o tamanho máximo do monitor.
8 Capturar	Salva o instantâneo como um arquivo de imagem no formato .bmp ou .jpg.
9 PTZ Externa	Conecte a PTZ externa ao terminal RS-485 e controle a direção da lente da câmera com as teclas de setas. As operações de expansão/inclinação será ativadas apenas se a câmera for conectada a um receptor compatível com expansão/inclinação.
10 Oculte o menu de contexto	O menu de contexto do canto esquerdo desaparecerá, mas somente o ícone de menu.

Para capturar a foto

1. Clique em **[Capturar (
 -  Se você encontrar um vídeo interrompido ao capturar a imagem com IE8 em um PC com Windows 7, desmarque "**Ativar Modo Protegido**" em "**Tools – Internet Options – Security**".
 - Se a tela não for capturada pelo navegador IE em Windows 7 ou 8, execute o Navegador IE com privilégio de Administrador.**



visualizador da web

Para ajustar na tela inteira

1. Clique no botão **[Tela inteira ()]**.
2. Isso ajustará o visualizador na tela inteira.
3. Para sair do modo de tela inteira, pressione **[Esc]** no teclado.



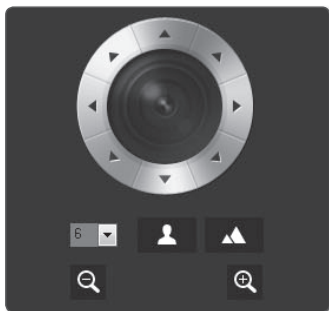
- Para os navegadores Internet Explorer e Google Chrome, é possível alternar para o modo tela cheia.

Para controlar o PTZ

1. Clique na aba **[PTZ ()]**.
2. Quando o ícone PTZ aparecer na tela, use os botões de direção para ajustar o ângulo da câmera, o fator de zoom ou o foco de acordo com a sua preferência.



- Para obter mais detalhes sobre o uso de PTZ, consulte "**Configuração de PTZ Esterno**". (página 43)



tela de configuração

CONFIGURAR

Pode configurar o vídeo, rede, evento e configurações do sistema do codificador na rede.

1. Na tela ao vivo, clique em **[Setup (⚙️ Setup)]**.
2. A tela de configuração é exibida.

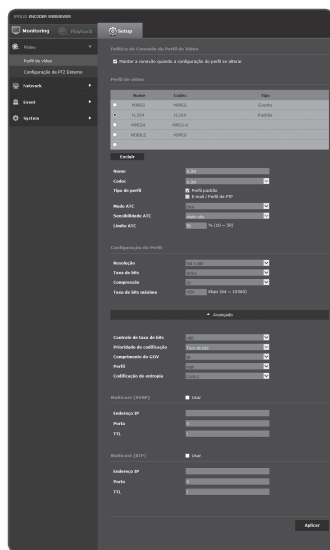


- É preciso instalar o Microsoft Silverlight 5.0 ou posterior no PC para configurar as páginas que permitem visualização de vídeo.
Se ainda não instalado, vai automaticamente para a configuração do Silverlight.

CONFIGURAÇÃO DE VÍDEO

Perfil de vídeo

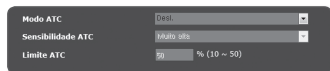
1. No menu de configuração, selecione a guia **<Vídeo (⚙️)>**.
2. Clique em **<Perfil de vídeo>**.
3. Configure a **<Política de conexão de Perfil de vídeo>**.
 - Manter a conexão quando a configurações de perfil se alterar: A alteração das propriedades do perfil que está sendo utilizado pela conexão existente não afeta tal conexão e permanece com a configuração do perfil antigo.
Se não selecionado, alterar um perfil utilizado por uma conexão existente irá redefinir esta conexão.
4. Seleciona cada propriedade do perfil. Para mais informações, consulte “**Para Adicionar/Alterar um Perfil de vídeo**”. (página 41)
5. Clique na caixa de entrada de cada item e digite / selecione um valor desejado.
 - O menu de contexto pode diferir dependendo do tipo de codec selecionado.
 - Perfil padrão : Se nenhum perfil foi selecionado ao usar o Visualizador da Web, o perfil de vídeo padrão é aplicado.



tela de configuração

- E-mail / Perfil de FTP : Perfil de vídeo a ser transferido para o e-mail ou site de FTP especificado.
 - Apenas o codec MJPEG pode ser configurado como Perfil de FTP/E-mail.
- 6. De acordo com a sua situação, configure o modo controle de transmissão automática (Auto Transmit Control - ATC).

- Modo ATC : Isso ajusta as propriedades de vídeo de acordo com a variação da largura de banda da rede, controlando a taxa de bits.



O ajuste da taxa de bits depende do modo ATC.

- Controla a taxa de quadros : Reduz a taxa de quadros se a largura de banda da rede diminuir.
- Controla a compactação : Controla a taxa de compactação se a largura de banda da rede diminuir.
O ajuste de compactação pode causar deterioração da qualidade de imagem.
- Se o <Controle da taxa de bits> for definido como <CBR>, a prioridade de codificação de acordo com o modo ATC será ajustada conforme abaixo:

Controle da taxa de bits / modo ATC	Controla a taxa de quadros	Controla a compactação
CBR	Taxa de quadros	Compressão

- Sensibilidade ATC : Afeta a taxa de transferência de acordo com a variação da largura de banda da rede.
A taxa de transferência será ajustada para a mais rápida se a largura da banda for <Muito alta>, e será ajustada para a mais lenta se a largura de banda for <Muito baixa>.
- Limite ATC : Se a qualidade ou a taxa de quadros for ajustada, a propriedade será alterada para o valor aplicado (%) contra o valor anteriormente definido (100%).
Observe que se você reduzir muito o valor da propriedade, poderão ocorrer oscilações na tela. Portanto é recomendável ajustar o valor dentro do limite.



- É recomendado aplicar o controle ATC apenas para codificadores que suportem ATC.
- Defina a sensibilidade ATC como <Muito baixa> em um ambiente de rede que apresenta alta variação na largura de banda.
- Se a conexão de rede for instável, poderão ocorrer oscilações na tela.

7. Quando concluído, clique em [Aplicar ()]

Para Adicionar/Alterar um Perfil de vídeo

A configuração do perfil pode ser adicionada ou alterada para acomodar vários perfis, dependendo das condições de gravação.

1. Selecione uma das opções de <Perfil de vídeo>.
2. Forneça o nome e selecione um codec.
3. Especifique as condições sob as quais o codec será aplicado.
4. Especifique os detalhes do codec selecionado incluindo a resolução e taxa de quadros. Clique em <Avançado> para exibir o menu de contexto.
 - Resolução : Configure o tamanho de vídeo para arquivos MPEG-4, H.264, e MJPEG.
 - Taxa de bits : Especifique a taxa de quadros.
 - Compressão : Especifique a taxa de compressão do vídeo.
 - Taxa de bits máxima : especifique a taxa de bits máxima do vídeo.



- Já que a taxa de bits pode ser ajustada com limites de acordo com a resolução, taxa de quadros e complexidade da tela, a taxa de bits real pode ser superior à taxa de bits máxima. Portanto, você deve considerar o uso de condições ao configurar o valor.

- Controlar de taxa de bits : É possível selecionar uma entre a taxa de bits constante e taxa de bits variável para compactação. A taxa de bits constante (CBR) varia a qualidade do vídeo e corrige a taxa de bits de transferência da rede, enquanto a taxa de bits variável enfatiza a qualidade ao variar a taxa de bits de transferência da rede.



- Se o controle da taxa de bits estiver configurado para Taxa de Bits Constante, a taxa efetiva de transmissão de fotogramas pode ser inferior à taxa de fotogramas definida porque o Primeiro Modo de Taxa de Fotogramas foi alterado para o Primeiro Modo da Taxa de Compressão para garantir a mais alta qualidade de imagem a uma taxa de bits que é definida dependendo da complexidade da tela.

- Taxa de bits alvo : Especifique a taxa de bits na qual irá transferir o vídeo.
- Prioridade de codificação : Você pode configurar o método de transferência de vídeo para Taxa de quadros ou Qualidade.
- Comprimento do GOV : Especifica a distância (em termos de número de quadros) entre duas I-Frames consecutivas em uma sequência de vídeo quando o codec H.264 é selecionado (Uma I-Frame + Várias P-Frames).
- Perfil : Você pode selecionar o método de perfil I H.264.
- Codificação de entropia : Reduz a possível perda de compressão devido à codificação.
- Multicast(SVNP) : Especifique o uso do protocolo SVNP.
 - Endereço IP : Insira um endereço IPv4 com o qual você pode se conectar à rede IPv4.
 - Porta : Especifique a porta de comunicação de vídeo.
 - TTL : Configure TTL para o pacote SVNP.

tela de configuração

- Multicast(RTP) : Especifique o uso do protocolo RTP.
 - Endereço IP : Insira um endereço IPv4 com o qual você pode se conectar à rede IPv4.
 - Porta : Especifique a porta de comunicação de vídeo.
 - TTL : Você pode configurar TTL para o pacote RTP.

O que é tamanho de GOV?

GOV (Grupo de planos de objeto de vídeo) é um conjunto de quadros de vídeo de compressão para MPEG-4 e H.264, indicando uma coleção de quadros da I-Frame inicial (quadro chave) para o próximo I-Frame.

O GOV consiste em 2 tipos de quadros: quadro I e quadro P.

O Quadro I é o quadro básico para compressão, também conhecido como Quadro-chave, que contém dados de uma imagem completa. O Quadro P contém apenas os dados alterados do Quadro I anterior.

Para codec MPEG-4 e H.264 codec, você pode determinar o tamanho de GOV.

Configuração de PTZ Esterno

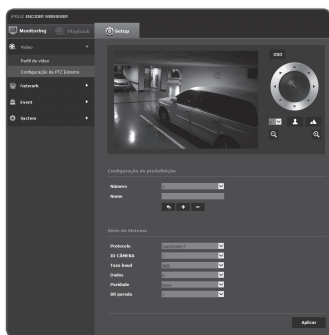
Defina o valor da conexão para uma câmera externa PTZ para controlar PTZ usando a conexão RS-485 da câmera.

1. No menu de configuração, selecione a guia <Video ()>
2. Clique em <Configuração de PTZ Esterno>.
3. Especifique a porta serial.
Logo que a câmera estiver conectada, pode definir o modo de comunicação RS-485.
 - Protocolo : Selecione o mesmo protocolo de sua câmera a partir de SAMSUNG-T / SAMSUNG-E / PELCO-D / PELCO-P / SUNGJIN / PANASONIC / HONEYWELL / AD / VICON / GE / BOSCH.
 - ID CÂMERA : Exibe a ID da Câmera fixa.
 - Taxa baud : Taxa de transferência para a comunicação RS-485.
 - Dados : Especifique os bits de dados.
 - Paridade : Especifique os bits de dados.
 - Bit parada : Especifique o bit de parada.
4. Quando concluído, clique em [Aplicar ()].



- Para tal, deve se certificar que a câmera e o dispositivo estão corretamente conectados através das portas de comunicação RS-485. Além disso, a porta de série para a câmera conectada deve poder funcionar corretamente.

5. Defina o menu para a câmera conectada.
Para mais informações, consulte a seção “Para definir o menu da câmera”. (página 45)
6. Clique no botão <PTZ> no canto superior direito e acesse o menu de configuração PTZ.



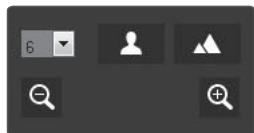
tela de configuração

7. Ajuste a direção.

- **[Alterar direção para (◀)/(▶)/(▲)/(▼)/(◀)/(▶)/(▲)/(▼)]** : A direção da câmara é ajustada.
- **[Mover controle de velocidade (6)]** : Quanto maior for o número, mais rápida se torna a velocidade do movimento.

8. Defina o foco e o zoom.

- **[Mais zoom (🔍)]** : Aplica mais zoom à tela.
- **[Menos zoom (🔍)]** : Aplica menos zoom à tela.
- **[Ajustar foco (👤 / 🔍)]** : Ajusta o foco na tela.
- **[Controle de velocidade do zoom (6)]** : Quanto maior for o número, mais rápida se tornará a velocidade do zoom.



9. Configure a predefinição.



- Somente quando a câmera e as portas de comunicação RS-485 do dispositivo estão conectadas e a <Configuração serial> está normal, você pode controlar os movimentos Vertical / Horizontal / Zoom.

Para adicionar uma predefinição

1. Selecione o número de predefinição a ser incluído.
2. Configure o nome para a predefinição.
3. Pressione o botão [+].

Para excluir uma predefinição

1. Selecione o número de predefinição a ser excluído.
2. Pressione o botão [-].

Para mover uma predefinição

1. Selecione o número da predefinição que deseja mover.
2. Pressione o botão [↻].

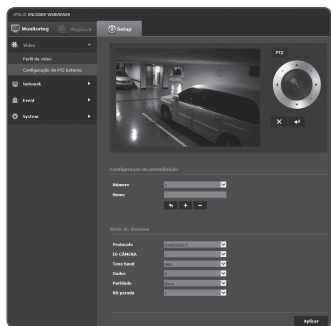
Para definir o menu da câmera,

Execute o visualizador web para recuperar o menu de configuração da câmera e alterar a configuração.

1. Clique no botão <OSD> no canto superior direito e acesse o menu de configuração OSD.
2. Clique no botão [▲ / ▼] para ir para o menu desejável.
3. Clique no botão [X] ou botão [←] para ir para o menu ou para cancelar.



- O menu da câmera pode apresentar diferenças, dependendo do tipo de câmera conectada.

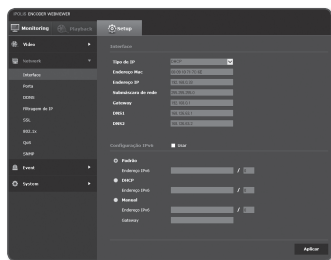


tela de configuração

CONFIGURAÇÃO DE REDE

Interface

1. No menu de configuração, selecione a guia **<Network (🌐)>**.
 2. Clique em **<Interface>**.
 3. Configure **<Interface>** e **<Configuração IPv6>**, conforme necessário.
 - Tipo de IP : Selecione um tipo de conexão de IP.
 - Manual : Especifique endereço IP, máscara de sub-rede, gateway, DNS1 e DNS2.
 - DHCP : Especifique DNS1 e DNS2.
 - PPPoE : Especifique o DNS1, o DNS2, o ID e a senha.
 - Se você configurar para **<Manual>**, deverá especificar IP, máscara de sub-rede, gateway, DNS 1 & 2 manualmente.
 - Endereço Mac : Mostra o endereço MAC.
 - Endereço IP : Exibe o endereço IP atual.
 - Submáscara de rede : Exibe **<Submáscara de rede>** do IP configurado.
 - Gateway : Exibe o **<Gateway>** do IP configurado.
 - DNS1/DNS2 : Exibe o endereço do servidor DNS (Serviço de nomes de domínio).
 4. Configurar **<Configuração IPv6>**.
 - Configure como **<Usar>** para utilizar o endereço IPv6.
 - Padrão : Utilize o endereço IPv6 padrão.
 - DHCP : Exibe e usa o endereço IPv6 obtido do servidor DHCP.
 - Manual : Digite manualmente o endereço IP o gateway a serem utilizados.
 5. Quando concluído, clique em **[Aplicar (🔍)]**.
- 
 - O sistema de endereço IP terá o padrão DHCP. Se nenhum servidor DHCP for encontrado, as configurações anteriores serão restauradas automaticamente.
 - Após terminar a edição, clique em **[Aplicar (🔍)]** para aplicar as alterações e o navegador é encerrado. Depois de alguns momentos, conecte-se novamente com o IP alterado.



Porta

1. No menu de configuração, selecione a guia <Network ()>.

2. Clique em <Porta>.

3. Digite cada item no menu Porta, conforme necessário.

- O intervalo de portas entre 0 e 1023 e a porta 3702 não estão disponíveis.
- Porta HTTP : A porta HTTP é usada para acessar ao codificador através do navegador web. O padrão é 80 (TCP).
 - Não é permitido pela política de segurança definir a porta HTTP dos navegadores Safari e Google como 65535.
- Porta do dispositivo : Configure uma porta usada para transferir sinais de vídeo com protocolos Samsung.
- Porta RTSP : Usada para transferir vídeos no modo RTSP; o padrão é 554.
- Porta de streaming de web : Usada para transferir vídeos para o Visualizador da Web; o padrão é 4520.
- Porta Silverlight policy : O Silverlight é usado para permitir a aquisição de uma conexão de rede; o padrão é 943.



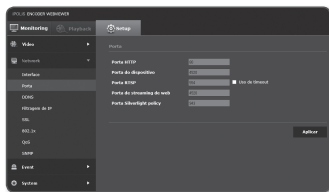
- Se a porta HTTP foi alterada, o navegador é encerrado.

Em seguida, o endereço deve conter a porta HTTP recém-atribuída que roteia o IP.

ex) Endereço IP: 192.168.1.100, porta HTTP : Atribuída 8080 → http://192.168.1.100:8080
(se a porta HTTP for configurada como 80, não é necessário especificar o número da porta)

- O intervalo de portas do Web Streaming está entre 4502 e 4534. Se a porta do dispositivo estiver nesse intervalo efetivo, a porta do Web Streaming deverá ser especificada para a mesma porta do dispositivo.
- Não pode alterar a porta de servidor de política Web Streaming/Silverlight de um codificador.

4. Quando concluído, clique em [Aplicar ()].

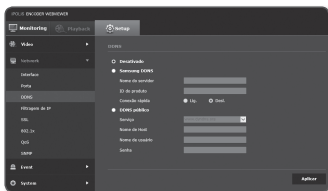


tela de configuração

DDNS

DDNS é uma abreviação de Serviço de Nome Dinâmico de Domínio que converte o endereço IP de um codificador em Nome de Host para que o usuário o possa facilmente lembrar.

1. No menu de configuração, selecione a guia <**Network ()**>.
2. Clique em <**DDNS**>.
3. Selecione o tipo de conexão <**DDNS**>.
4. Digite os itens de DDNS de acordo com o tipo selecionado.
 - Samsung DDNS : Selecione se você usar o servidor DDNS fornecido pela Samsung Techwin.
 - ID do produto : Digite o ID do produto que está registrado cm o serviço DDNS da Samsung.
 - Conexão rápida : Define o encaminhamento de porta automaticamente quando utilizado com um roteador que suporta UPnP (Universal Plug and Play).
 - DDNS público : Selecione um dos servidores DDNS público fornecidos ao usar um servidor DDNS público.
 - Serviço : Selecione o servidor de serviços de DDNS público desejado.
 - Nome de Host : Digite o nome do host registrado com o servidor DDNS.
 - Nome de usuário : Digite o nome de usuário do serviço DDNS.
 - Senha : Digite a senha do serviço DDNS.
5. Quando concluído, clique em [**Aplicar ()**].

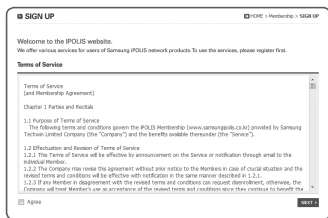


- Se a opção <**Conexão rápida**> for selecionada, certifique-se de selecionar o serviço Samsung DDNS.

Registrando com DDNS

Para registrar seu produto com o Samsung DDNS

1. Visite o site iPOLiS na Web (www.samsungipolis.com) e entre com uma conta registrada.



2. Na barra de menus superior, selecione <DDNS SERVICE>-<MY DDNS>.



3. Clique em [PRODUCT REGISTRATION].

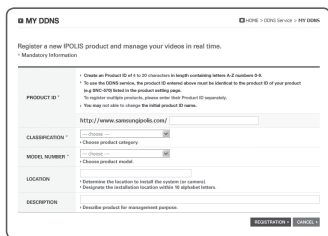
4. Digite o ID do produto.
 - Você deve executar a verificação de duplicação para o ID inserido.



5. Selecione uma <CLASSIFICATION> e especifique o <MODEL NUMBER>.

6. Especifique o local do produto com uma descrição, se necessário.

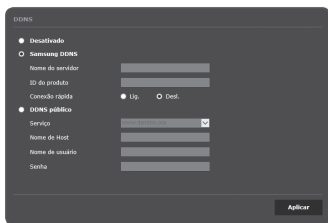
7. Clique em [REGISTRATION]. O produto será adicionado à lista de produtos que você pode verificar.



tela de configuração

Para conectar a DDNS Samsung na configuração do codificador

1. Na página de configuração de DDNS, configure <DDNS> para <Samsung DDNS>.
2. Forneça o <ID do produto> que você especificou ao registrar o ID do produto no site DDNS.
3. Clique em [Aplicar (**Aplicar**)]. Quando a conexão for estabelecida com sucesso, você verá a mensagem <(Sucesso)> na tela.



Configurar DDNS público em Configurações do codificador

1. Abra a página de configurações de DDNS e selecione <DDNS público> para <DDNS>.
2. Insira o nome do host do site correspondente, nome de usuário e senha.
3. Clique no botão [Aplicar (**Aplicar**)]. Se a conexão for estabelecida com êxito, <(Sucesso)> será exibido.
4. Quando concluído, clique em [Aplicar (**Aplicar**)].

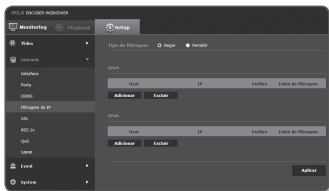


- Para usar corretamente o serviço DDNS, a configuração do DDNS e a do encaminhamento da porta do roteador são necessárias. Para a configuração do encaminhamento de porta, consulte "**Configuração do Avanço da Faixa da Porta (Mapeamento de Porta)**". (página 25)

Filtragem de IP

Você pode criar uma lista de IPs aos quais deseja conceder ou negar acesso.

1. No menu de configuração, selecione a guia <Network ()>.
 2. Clique em <Filtragem de IP>.
 3. Selecione <Tipo de filtragem>.
 - Negar : Se selecionado, o acesso a partir desses IPs que foram adicionados à filtragem será restrito.
 - Permitir : Se selecionado, o acesso somente a partir desses IPs que foram adicionados à filtragem será aceito.
 4. Clique no botão **[Adicionar ()]**.
A lista de IP será criada.
 5. Forneça o IP do qual deseja conceder ou negar acesso.
Quando você digita um endereço IP e um Prefixo, a lista de endereços IP disponíveis aparece na coluna de intervalo de filtro, à direita.
-  ■ Se selecionar <Permitir> para a opção filtro de IP e a opção <Configuração IPv6> da <Interface> não for definida como <Usar>, tanto o endereço IPv4 quanto o endereço IPv6 do computador em questão devem ser preenchidos.
- O endereço IP do computador usado para a configuração atual não pode ser adicionado a <Negar>, mas sim a <Permitir>.
- Somente os endereços IP definidos como <Usar> serão exibidos na coluna de filtro.
6. Selecione um IP para excluir da lista.
Clique no botão **[Excluir ()]**.
 7. Quando concluído, clique em **[Aplicar ()]**.



tela de configuração

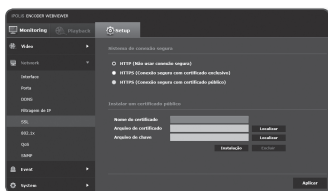
SSL

Você pode selecionar um sistema de conexão segura ou instalar o certificado público para esta finalidade.

1. No menu de configuração, selecione a guia <Network ()>.
2. Clique em <SSL>.
3. Selecione um sistema de conexão segura.

- Para acessar ao codificador usando o modo HTTPS, deve digitar o endereço IP para o codificador em forma de "https://<IP_Codificador>".

Caso você não tenha definido as configurações do Visualizador Web em modo HTTPS com Internet Explorer, edite as opções de internet conforme mostrado a seguir: <Menu → Ferramentas → Opções de Internet → Avançado → Segurança → Desmarque TLS 1.0 e marque TLS 1.1, TLS 1.2>



4. Procure o certificado público que você deseja instalar no codificador.
Para instalar o certificado no codificador, você precisará fornecer um nome de certificado (pode ser arbitrariamente atribuído pelo usuário), o arquivo de certificado emitido pela autoridade de certificação e um arquivo de chave.
 - O item <HTTPS (Conexão segura com certificado público)> ficará ativo apenas se existir um certificado público instalado.
5. Quando concluído, clique em [Aplicar ()].

Instalando o certificado

1. Insira o nome do certificado.
2. Selecione o arquivo de certificado a ser instalado e a chave do certificado. Em seguida, clique no botão [Instalação ()].

Excluindo o certificado

1. Clique no botão [Excluir ()].
2. Para excluir um certificado público, você deve acessar o decodificador de vídeo em rede no modo <HTTP (Não usar conexão segura)> ou <HTTPS (Conexão segura com certificado exclusivo)>.

802.1x

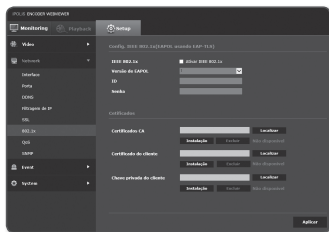
Ao se conectar à rede, você pode escolher usar o protocolo 802.1x e, então, instalar o certificado.

1. No menu de configuração, selecione a guia **<Network ()>**.

2. Clique em **<802.1x>**.

3. Defina **<Config. IEEE 802.1x(EAPOL usando EAP-TLS)>**.

- Ativar IEEE 802.1x : Especifique o uso do protocolo 802.1x.
- Versão de EAPOL : Selecione a versão 1 ou 2.
- ID : Insira o ID de certificação do cliente.
- Senha : Insira a senha da chave privada do cliente. Se o arquivo de chave utilizado não for criptografado, então você não precisa inseri-lo.



! Se o dispositivo de rede conectado não suportar o protocolo 802.1x, o protocolo não funcionará corretamente mesmo se você defini-lo.

4. Instalar/remover o certificado.

- Certificados CA : Selecione um certificado público que contenha a chave pública.
- Certificado do cliente : Selecione um certificado público que contenha a chave do certificado do cliente.
- Chave privada do cliente : Selecione um certificado público que contenha a chave privada do cliente.

5. Quando concluído, clique em **[Aplicar ()]**.

Para instalar/remover os certificados relacionados a 802.1x

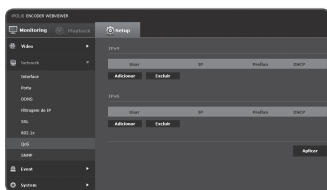
1. Pressione o botão **[Localizar ()]** para cada item e selecione um certificado a ser instalado.
2. Se nenhum certificado for instalado, você verá “Não disponível” aparecendo próximo ao item selecionado.
3. Pressione o botão **[Instalação ()]** para iniciar a instalação com a mensagem “Instalado” próxima ao item.
4. Pressione o botão **[Excluir ()]** para remover o certificado.

tela de configuração

QoS

Você pode especificar a prioridade para garantir uma taxa de transferência estável para um IP específico.

1. No menu de configuração, selecione a guia <Network ()>.
2. Clique em <QoS>.
3. Clique no botão [Adicionar ()]. A lista de IP será criada.
4. Digite um endereço IP ao qual você aplicará QoS.

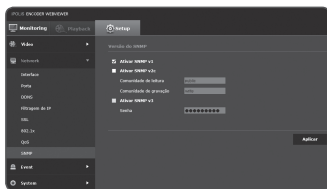


- O prefixo padrão para IPv4 é 32; Para DSCP, o padrão é definido como 63.
 - Somente os endereços IP definidos como <Usar> podem ser priorizados.
5. Selecione um IP para excluir da lista. Clique no botão [Excluir ()].
 6. Quando concluído, clique em [Aplicar ()].

SNMP

Com os protocolos SNMP, o admin do sistema ou da rede pode monitorar os dispositivos de rede em um site remoto, e configurar o ambiente.

1. No menu de configuração, selecione a guia <Network ()>.
2. Clique em <SNMP>.
3. Especifique <SNMP>.
 - Ativar SNMP v1 : O SNMP versão 1 ficará ativo.
 - Ativar SNMP v2c : O SNMP versão 2 ficará ativo.



- Comunidade de leitura : Forneça o nome da comunidade de leitura onde você pode acessar as informações do SNMP. O nome padrão é <public>.
- Comunidade de gravação : Forneça o nome da comunidade de gravação onde você pode acessar as informações do SNMP. O nome padrão é <write>.

- Habilitar SNMP v3 : O SNMP versão 3 ficará ativo.
 - Senha : Especifique a senha padrão para a versão 3 do SNMP. A senha padrão é <admin4321>.
 - A senha padrão pode ser exposta a uma ameaça de hackers, portanto é recomendado alterá-la após a instalação do produto.
Observe que a segurança e outras questões relacionadas causadas por uma senha inalterada devem ser de responsabilidade do usuário.
 - A senha deve ter mais que 8 e menos que 16 caracteres.

4. Quando concluído, clique em **[Aplicar ()]**.



- O SNMP v3 só poderá ser configurado quando o modo de conexão segura for HTTPS. Consulte “SSL”. (página 52)

tela de configuração

CONFIGURAÇÃO DE EVENTO

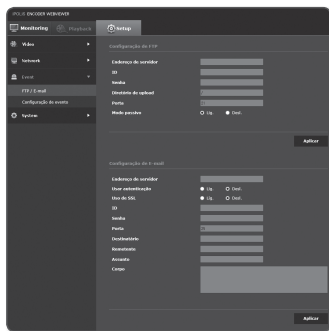
FTP / E-mail

Você pode definir as configurações do servidor de FTP/E-mail para que possa transferir as imagens obtidas com a câmera para seu PC, caso ocorra um evento.

1. No menu de configuração, selecione a guia <Event ()>.
2. Clique em <FTP / E-mail>.
3. Selecione <Configuração de FTP> ou <Configuração de E-mail> e digite / selecione um valor desejado.

- Configuração de FTP

- Endereço de servidor : Introduza o endereço IP do servidor de e-mail para onde transfere as imagens de evento.
- ID : Digite o ID de usuário com o qual você fará login no servidor de FTP.
- Senha : Digite a senha da conta de usuário para fazer login no servidor de FTP.
- Diretório de upload : Especifique o caminho FTP para onde irá transferir as imagens de evento.
- Porta : A porta padrão do servidor de FTP é 21; no entanto, você pode usar um número de porta diferente de acordo com as configurações do servidor de FTP.
- Modo passivo : Selecione <Lig.> se precisar conectar no modo passivo devido às configurações de firewall ou servidor de FTP.



- Configuração de E-mail
 - Endereço de servidor : Introduza o endereço IP do servidor de e-mail para onde transfere as imagens de evento.
 - Usar autenticação : Selecione se deseja usar a autorização.
 - Uso de SSL : Especifique o uso de SSL.
 - ID : Digite o ID de usuário para fazer login no servidor de e-mail.
 - Senha : Digite a senha da conta de usuário para fazer login no servidor de e-mail.
 - Porta : A porta padrão do servidor de e-mail é 25; no entanto, você pode usar um número de porta diferente de acordo com as configurações do servidor de e-mail.
 - Destinatário : Digite o endereço do destinatário de e-mail.
 - Remetente : Digite o endereço do remetente de e-mail. Se o endereço do remetente estiver incorreto, o e-mail do remetente poderá ser classificado como SPAM pelo servidor de e-mail e talvez não seja enviado.
 - Assunto : Digite um assunto para seu e-mail.
 - Corpo : Forneça o texto da mensagem. Anexe as imagens de evento para o e-mail que você está preparando.

4. Quando concluído, clique em **[Aplicar ()]**.

tela de configuração

Programação de tempo

Você pode definir para salvar os dados do vídeo em um determinado intervalo, conforme programado, independentemente da ocorrência real do evento.

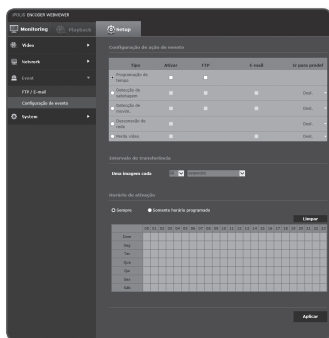
1. No menu de configuração, selecione a guia <Event ()>.
2. Clique em <Configuração de evento>.
3. Selecione <Programação de tempo> em <Configuração de ação de evento>.
4. Defina se deixará ou não <Ativar>.
5. Especifique <Intervalo de transferência>.
6. Especifique <Horário de ativação>.

- Sempre : Sempre ativa no modo operado.
 - Se definida como <Sempre>, a hora de ativação não poderá ser alterada.
- Somente horário programado : Ativa periodicamente no modo operado em um dia específico da semana, por um tempo especificado.
- [Limpar ()] : Redefine todas as configurações.



- O valor definido de intervalo de transferência deve ser menor do que o intervalo de ativação pré-configurado para ter sucesso na transmissão de imagens.

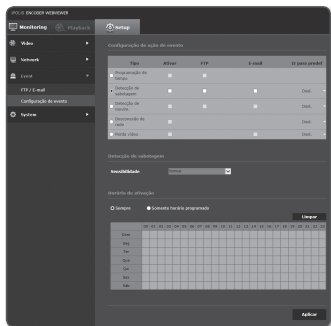
7. Especifique as condições de ativação.
 - FTP : Especifique o uso da transferência FTP.
8. Quando concluído, clique em [Aplicar ()].



Detecção de sabotagem

Você pode configurar para detecção de tentativas de violação e disparar eventos, tais como a mudança repentina da direção de enquadramento da câmera, lentes bloqueadas e outras mudanças gerais de cenas do vídeo.

1. No menu de configuração, selecione a guia **<Event (🔔)>**.
2. Clique em **<Configuração de evento>**.
3. Selecione **<Detecção de sabotagem>** em **<Configuração de ação de evento>**.
4. Defina se deixará ou não **<Ativar>**.
5. Definir a sensibilidade de detecção de violação.
Quanto maior a sensibilidade, menor o nível de tentativa de violação que será detectado.
6. Especifique **<Horário de ativação>**.
7. Especifique uma operação que será executada se ocorrer um evento.
 - FTP : Especifique o uso da transferência FTP na configuração de entrada do evento.
 - E-mail : Especifique o uso da transferência de e-mail na configuração de entrada do evento.
 - Ir para predef : Muda para a posição predefinida especificada quando o evento é introduzido.
 - Ir para Predefinição estará disponível apenas se o receptor de expansão/inclinação estiver instalado.
8. Quando concluído, clique em **[Aplicar (🔍)]**.



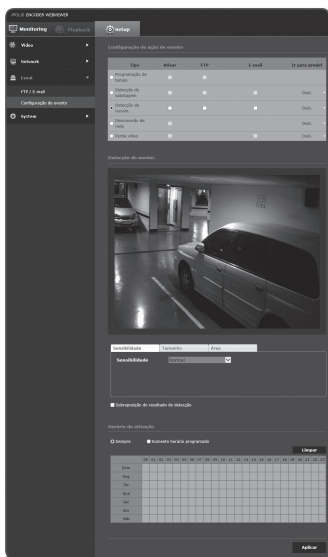
- A função de detecção de violação padrão pode não funcionar nos seguintes casos:
 - Situações de fundo simples ou baixa luminosidade, bem como períodos noturnos, podem reduzir a sensibilidade de detecção.
 - Um forte balançar da câmera ou uma alteração drástica na iluminação pode ser considerada uma violação por engano.
 - A detecção de violação pode levar algum tempo (máximo de 5 segundos) logo após a violação ser feita.
 - Após a violação ser detectada, a câmera voltará a operar normalmente após algum tempo de estabilidade (aproximadamente 5 segundos) sem que nenhuma detecção seja realizada.

tela de configuração

Detecção de movim.

Eventos de detecção de movimento podem ser configurados para acionar a saída de sinal de evento.

1. No menu de configuração, selecione a guia <Event ()>.
2. Clique em <Configuração de evento>.
3. Selecione <Detecção de movim.> em <Configuração de ação de evento>.
4. Defina se deixará ou não <Ativar>.
5. Definir <Sensibilidade>, <Tamanho> e <Área>.
6. Definir se utilizar <Sobreposição de resultado de detecção>.
Quando um movimento é detectado, o tamanho e a posição do objeto são marcados com um retângulo na tela.
 - Verde : Objetos detectados em movimento.
7. Especifique a hora da ativação e a condição de ativação.
 - Para obter mais informações sobre <Horário de ativação> e <Ação>, consulte "Programação de tempo". (página 58)
8. Quando concluído, clique em [Aplicar ()].





- Antes de utilizar, defina os tamanhos de movimento máximo e mínimo conforme a amplitude de movimento que deseja detectar.
- O tamanho detectado de um objeto pode ser diferente do tamanho real dependendo do seu formato.
- Até 16 objetos da parte superior da tela podem ser exibidos.
- Nos seguintes casos, a função de detecção de movimento pode ser degradada ou provocar detecção inadequada.
 - A cor ou o brilho do objeto é semelhante ao plano de fundo.
 - Pequenas atividades próximas à extremidade do campo de visão da câmera.
 - Múltiplos movimentos contínuos ocorrendo aleatoriamente devido a uma mudança de cena, alterações repentinas de iluminação ou por outros motivos.
 - Um objeto fixo continua se movendo na mesma posição.
 - Movimentos com pouca alteração de posição, tais como aproximação ou distanciamento da câmera.
 - Aproximar demais objetos à câmera
 - Um objeto oculta outros objetos atrás.
 - Dois ou mais objetos se sobrepõem ou um objeto é dividido em múltiplas partes.
 - Um objeto muito rápido (para uma detecção apropriada, um objeto deve ser encontrado sobreposto entre quadros contíguos).
 - Reflexão / borrado / sombra devido a uma luz forte, como luz direta do sol, iluminação ou lâmpada frontal.
 - Com neve, chuva, vento intensos ou ao amanhecer / ambiente empoeirado.

tela de configuração

Para utilizar a detecção de movimento

Ela detecta todo movimento que atende as condições de sensibilidade, tamanho e área especificadas.

1. Selecione um modo de detecção de movimento.
2. Selecione a guia <**Sensibilidade**> para definir o nível de sensibilidade. Você pode definir a sensibilidade do sensor para detectar um movimento a partir do fundo do vídeo de monitoramento.



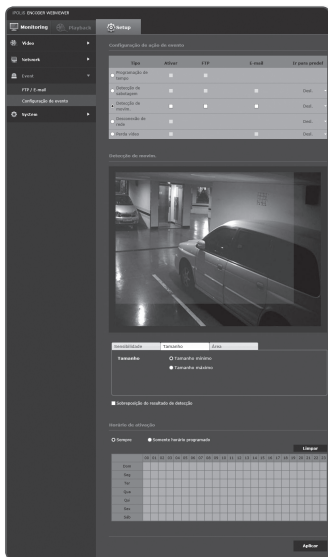
- Em situações em que os objetos podem ser claramente diferenciados do plano de fundo, defina esta opção com um valor baixo. Em situações opostas, isto é, quando for difícil diferenciar os objetos do plano de fundo, como em situações com pouca luminosidade, defina esta opção com um valor alto.

3. Selecione a guia <**Tamanho**>. Você pode limitar o tamanho mínimo/máximo do movimento que deseja detectar.

- Tamanho mínimo: Para definir o tamanho mínimo dos movimentos detectados, selecione <**Tamanho mínimo**> e então clique e arraste com o mouse até o tamanho desejado na tela.
- Tamanho máximo: Para definir o tamanho máximo dos movimentos detectados, selecione <**Tamanho máximo**> e então clique e arraste com o mouse até o tamanho desejado na tela.



- Movimentos menores que o tamanho mínimo definido ou maiores que o tamanho máximo especificado não serão detectados. Para evitar detecções involuntárias causadas por eventos muito grandes ou muito pequenos no ambiente, defina os tamanhos mínimo/máximo de movimento de forma adequada aos seus ambientes específicos. Observe que um mesmo movimento, realizado no mesmo local, pode ser detectado e forma diferente quanto ao seu tamanho de detecção. Recomendamos que leve em conta o desvio de tolerância ao definir seus tamanhos mínimo/máximo de detecção.

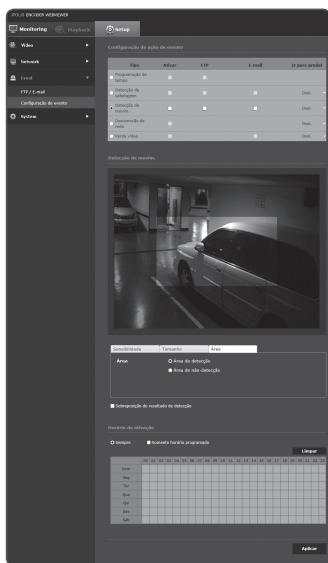


4. Selecione a guia <Área>.

Você pode especificar uma área na tela para incluir ou excluir no quadro de detecção da câmera.

Você pode especificar até 4 áreas.

 - Área de detecção : Defina toda a tela como excluída do quadro de detecção, e adiciona áreas específicas de detecção de movimento. Selecione 4 vértices na imagem com o seu mouse para especificar a área de detecção.
 - Área de não-detecção : Define toda a tela como área de detecção de movimento, e exclui determinadas áreas do quadro de detecção. Selecione 4 vértices na imagem com o seu mouse para especificar a área de não detecção.
5. Para excluir uma área, clique com o botão direito do mouse na tela para abrir o menu de contexto e selecione Excluir, e depois [OK].
6. Quando concluído, clique em [Aplicar (**Aplicar**)].

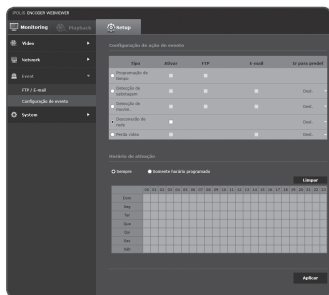


tela de configuração

Desconexão de rede

Você pode receber e salvar eventos de uma rede desconectada fisicamente.

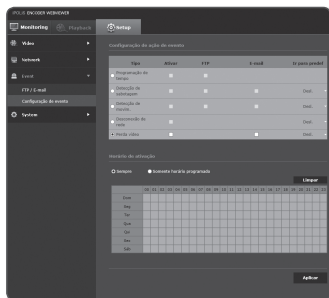
1. No menu de configuração, selecione a guia <Event (📅)>.
2. Clique em <Configuração de evento>.
3. Selecione <Desconexão de rede> em <Configuração de ação de evento>.
4. Defina se deixará ou não <Ativar>.
5. Especifique a hora da ativação e a condição de ativação.
 - Para obter mais informações sobre <Horário de ativação> e <Ação>, consulte "Programação de tempo". (página 58)
6. Quando concluído, clique em [Aplicar (📌)].



Perda vídeo

Você pode definir uma ação de evento para os usuários receberem um alerta em caso de perda de vídeo devido a desconexão da câmera.

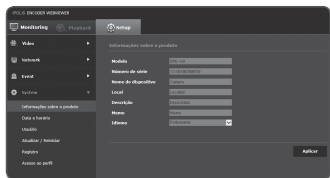
1. No menu de configuração, selecione a guia <Event (📅)>.
2. Clique em <Configuração de evento>.
3. Selecione <Perda vídeo> em <Configuração de ação de evento>.
4. Defina se deixará ou não <Ativar>.
5. Especifique a hora da ativação e a condição de ativação.
 - Para obter mais informações sobre <Horário de ativação> e <Ação>, consulte "Programação de tempo". (página 58)
6. Quando concluído, clique em [Aplicar (📌)].



CONFIGURAÇÃO DO SISTEMA

Informações do produto

1. No menu de configuração, selecione a guia <System ()>.
2. Clique em <Informações sobre o produto>.
3. Verificar as informações do codificador, ou fornecer detalhes de acordo com o seu ambiente de rede.
 - Modelo : Nome do modelo do produto.
 - Número de série : Número de série do produto.
 - Nome do dispositivo : Forneça um nome de dispositivo a ser exibido na tela ao vivo.
 - Local : Especificar a localização onde está instalado o codificador.
 - Descrição : Fornecer informações detalhadas sobre a localização do codificador.
 - Memo : Fornecer uma explicação sobre o codificador para melhor compreensão.
 - Idioma : Selecione um idioma preferido para o OSD do Visualizador da Web.
4. Quando concluído, clique em [Aplicar ()].



- O idioma padrão é definido como <English>.

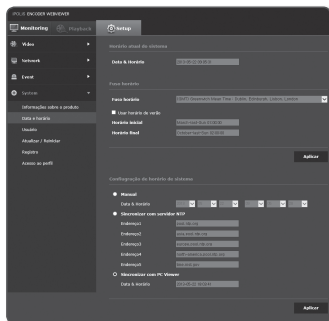
tela de configuração

Data e horário

1. No menu de configuração, selecione a guia <**System ()**>.
2. Clique em <**Data e horário**>.
3. Especificar a hora e data que serão aplicadas ao codificador.
 - Horário atual do sistema : Exibe a hora atual do sistema.
 - Fuso horário : Especifique o fuso horário baseado em GMT.
 - Usar horário de verão : Se marcada, a hora será configurada para uma hora antes do fuso horário local pelo período de tempo especificado. Esta opção será exibida apenas nas áreas em que DST é aplicado.
 - Configuração de horário de sistema : Especifique a hora e a data que serão aplicadas ao sistema.
 - Manual : Especifique a hora manualmente.
 - Sincronizar com servidor NTP : Sincronize com a hora do endereço de servidor especificado.
 - Sincronizar com PC Viewer : Define para o horário do computador conectado.
4. Quando concluído, clique em [**Aplicar ()**].



- Se você selecionar <**Sincronizar com PC Viewer**>, o fuso horário padrão deverá ser configurado da mesma maneira que o fuso horário atual no PC.



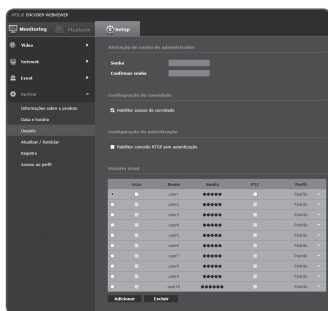
Usuário

1. No menu de configuração, selecione a guia <**System ()**>.
2. Clique em <**Usuário**>.
3. Forneça as informações de usuário necessárias.

- Alteração de senha de administrador :
Altere a senha do administrador.

- A senha padrão pode ser exposta a uma ameaça de hackers, portanto é recomendado alterá-la após a instalação do produto.

Observe que a segurança e outras questões relacionadas causadas por uma senha inalterada devem ser de responsabilidade do usuário.



- Configuração de convidado : Se você selecionar <**Habilitar acesso de convidado**>, a conta de visitante poderá acessar a tela do Visualizador Web, mas poderá ver apenas a tela do Visualizador ao vivo.
 - A ID/senha da conta de visitante é s <**guest/guest**>, que não pode ser alterada.
- Configuração de autenticação : Se você selecionar <**Habilitar conexão RTSP sem autenticação**>, será possível acessar RTSP sem efetuar login e visualizar o vídeo.
- Usuário atual : Se você selecionar <**User**>, será possível definir ou alterar as permissões de usuário.
 - Perfil : Se você selecionar <**Padrão**>, será possível ver apenas o vídeo do perfil padrão. Se selecionar <**Todos**>, será possível ver os vídeos de todos os perfis.



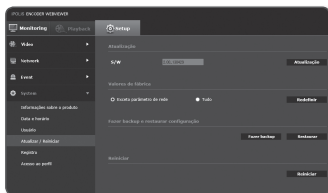
- As funções ONVIF disponíveis para um usuário registrado que tem permissão para utilizar funções ONVIF, são limitadas àquelas cuja permissão foi concedida.
- Transferência de vídeo, alterando informações de vídeo : Defina o perfil como <**Todos**>, então selecione as demais opções segundo sua preferência.
- Controle PTZ : Selecione <**PTZ**>.

4. Quando concluído, clique em [**Aplicar** ()].

tela de configuração

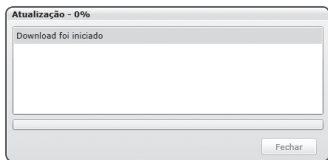
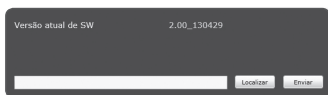
Atualizar / Reiniciar

1. No menu de configuração, selecione a guia <System ()>.
2. Clique em <Atualizar / Reiniciar>.
3. Selecione um item desejado e configure-o conforme apropriado.
 - Atualização : Executa a atualização do sistema.
 - Valores de fábrica : Redefine o sistema ao padrão de fábrica.
 - Exceto parâmetro de rede : Inicializar todos os parâmetros de configuração, os de configuração de rede.
 - Tudo : Redefine todas as configurações, incluindo as configurações do codificador. (No entanto, as informações de registro não serão redefinidas.)
 - O sistema de endereçamento de IP será padronizado para DHCP se você redefinir o codificador. Se nenhum servidor DHCP for encontrado, as configurações anteriores serão restauradas automaticamente.
 - Fazer backup e restaurar configuração : Faz o backup das configurações atuais do sistema antes de executar o processo de restauração. O sistema reinicia automaticamente após o backup ou a restauração.
 - Reiniciar : Reinicia o sistema.



Para executar a atualização

1. Clique em [Atualizar].
2. Clique em [Localizar] e especifique um arquivo a ser atualizado.
3. Clique em [Enviar].
4. A caixa de diálogo "Atualização" aparece com o andamento na parte inferior.
5. Após concluída a atualização, o navegador encerra e o codificador reinicia.

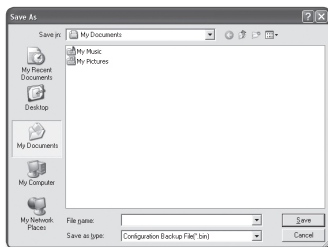




- Pode levar no máximo 20 minutos para o processo de atualização.
Se você terminar forçadamente o processo de atualização, ela não será concluída corretamente.
- Ao reiniciar o sistema, o acesso com o visualizador da Web não será executado.
- Você pode baixar a última versão no site da Samsung (www.samsungcctv.com).

Para criar uma cópia de segurança das definições actuais

1. Clique em **[Fazer backup]**.
A caixa de diálogo Save As deverá aparecer.
2. Especifique o caminho de backup com um nome de arquivo correto e clique em **[Save]**.
O arquivo de backup será salvo no caminho especificado no formato **".bin"**.

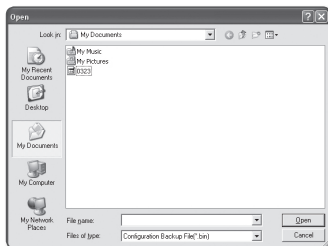


Para restaurar as definições de cópia de segurança

1. Para restaurar as configurações de backup, clique em **[Restaurar]**.
2. Selecione um arquivo de backup e clique em **[Open]**.



- Se fizer backup ou se restaurar, o navegador web será encerrado e o codificador é reinicializado.



tela de configuração

Registro

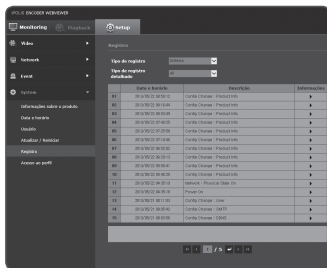
Você pode verificar o registro do sistema ou registro do evento.

1. No menu de configuração, selecione a guia <System (⚙️)>.

2. Clique em <Registro>.

3. Selecione um tipo de registro.

- Sistema : Você pode verificar os registros de sistema em que quaisquer alterações no sistema são gravadas incluindo as informações de horário.
- Evento : Você pode verificar os registros de evento incluindo as informações de horário.



4. Na lista de registros da direita, selecione um item a ser pesquisado.

- Se você selecionar <All> na lista suspensa da parte superior esquerda, todos os registros dos tipos de registro aplicáveis serão exibidos.

5. Se uma página não puder exibir todos os registros disponíveis, use os botões da parte inferior para ir para o item anterior, próximo ou último.

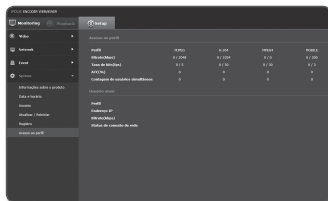


- Se quiser visualizar os detalhes de um registro, clique em [Informações (🔍)] na coluna direita; as informações do registro serão exibidas no painel inferior.
- Cada página exibe 15 registros com o último exibido na parte superior.
- A lista de registros de evento/sistema pode conter até 1000 registros; depois disso, os registros existentes serão excluídos a partir do mais velho sempre que um novo é criado.

Acesso ao perfil

Verifique as informações de perfil.

1. From the Setup menu, select the <System ()> tab.
 2. Click <Acesso ao perfil>.
 - Acesso ao perfil : Exibe as informações do perfil recém-adicionado.
 - Perfil : Exibe as informações do codec recém-adicionado.
 - Bitrate(kbps) : Exibe tanto a taxa de bits real quando a definida.
 - Taxa de bits(fps) : Exibe tanto a taxa de frame real quando a definida.
 - ATC(%) : Exibe o status de ATC.
 - Contagem de usuários simultâneos : Exibe o número de usuários simultâneos que acessam o perfil.
 - Usuário atual : Mostra informações sobre usuários que estão acessando o visualizador web e exibindo vídeos de monitoramento.
 - Perfil : Exibe o nome do perfil acessado pelo usuário.
 - Bitrate(kbps) : Exibe a taxa de bits atual..
 - Status de conexão de rede : Você pode verificar o status da conexão de rede.
 - IP : Exibe o endereço IP do usuário atual.
-  Para verificar as informações sobre o perfil utilizado no momento, clique em <Acesso ao perfil> novamente e atualize-as.



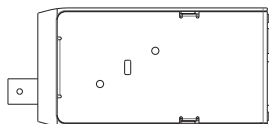
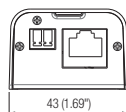
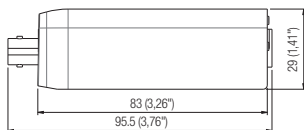
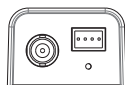
ESPECIFICAÇÕES

	Itens	Descrição
Operacional	Entrada de vídeo	CVBS : 1.0 Vp-p / 75Ω composto, Detecção automática de NTSC/PAL
	Filtro de desentrelaçamento	Incorporado
	Evento de disparo	Detecção de movimento, Perda vídeo, Violação, Desconexão de rede
	Interface de controle remoto	RS-422/485
	Protocolo RS-485	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch, Sungjin
Rede	Ethernet	RJ-45 (10/100BASE-T)
	Formato de compressão de vídeo	H.264, MPEG-4, Motion JPEG
	Resolução	NT : 704x480, 640x480, 352x240, 320x240 PAL : 704x576, 640x480, 352x288, 320x240
	Taxa máxima de quadros	NT : 30fps / PAL : 25fps
	Ajuste da qualidade de vídeo	H.264/MPEG-4: Nível de compressão, Controle do nível de taxa de bits Motion JPEG: Controle do nível de qualidade
	Método de controle de taxa de bits	H.264/MPEG-4: CBR ou VBR Motion JPEG: VBR
	Capacidade de fluxo	Fluxo múltiplo (Até 10 perfis)
	IP	IPv4, IPv6

	Itens	Descrição
Rede	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
	Segurança	Autenticação de login HTTPS(SSL) Autenticação de login Digest Filtragem de endereço IP Registro de acesso do usuário 802.1x
	Método de fluxo	Unicast/Multicast
	Acesso máx. de usuários	10 usuários no modo Unicast
	Conformidade com ONVIF	Sim
	Visualizador da Web	SO suportado: Windows XP / VISTA / 7, MAC OS X (10.7 ou superior) Navegador suportado: Internet Explorer (7.0 ou superior), Firefox (9.0 ou superior), Chrome (15.0 ou superior), Safari (5.1 ou superior)
	Software de gerenciamento central	SmartViewer 4.0, NET-i viewer
Condições ambientais	Temperatura / umidade operacional	-10°C ~ +50°C (+14°F ~ +122°F) / 20% ~ 80% UR
	Proteção de ingresso	-
Elétrica	Tensão/corrente de entrada	12V CC, PoE(IEEE802.3af)
	Consumo de energia	Máx. 3,2W
Mecânica	Cor/material	Branco/Ferrugem, Prata/Metal
	Dimensões (LxAxP)	L 43,0 x A 29,0 x P 95,5 mm (1,69" x 1,41" x 3,76"), Conector incluso
	Peso	115g

EXIBIÇÃO DO PRODUTO

Unidade: mm (polegadas)



SOLUÇÃO DE PROBLEMAS

PROBLEMA	SOLUÇÃO
Não posso acessar o codificador de vídeo em rede em um navegador da Web.	• Verifique se as configurações de Rede do codificador de vídeo em rede são válidas e corretas. • Verifique se todos os cabos de rede foram conectados corretamente. • Se foi conectado usando DHCP, verifique se o codificador de vídeo em rede consegue obter os endereços IP dinâmicos sem qualquer problema. • Se o codificador de vídeo em rede estiver conectado a um roteador, verifique se o encaminhamento de porta está corretamente configurado.
O visualizador foi desconectado durante o monitoramento.	• A conexão do Visualizador da Web existente pode ter expirado se a configuração de rede ou configuração do codificador de vídeo em rede tiver sido modificada por outro usuário. • Verifique todas as conexões da rede. • A conexão do Visualizador da Web pode ser interrompida por um baixo tráfego ou condição de rede se o codificador de vídeo em rede estiver conectado a uma rede PPPoE.
Não consigo me conectar ao sistema usando o navegador com guias do Internet Explorer 7.0.	• Um erro pode ser gerado quando conectar com uma nova janela ou aba já que os dados dos cookies são compartilhados. Não use uma nova janela ou aba, selecione "Arquivo → Nova sessão".
O codificador de vídeo em rede conectado à rede não foi detectado no programa IP Installer.	• Desative as configurações de firewall em seu PC e pesquise o codificador de vídeo em rede novamente.
Sobreposição de imagens.	• Verifique se dois ou mais codificadores de vídeo em rede estão configurados para um único endereço de multicast em vez de diferentes endereços. Se um único endereço for usado para vários codificadores de vídeo em rede, as imagens poderão ficar sobrepostas.
Nenhuma imagem é exibida.	• Se o método de transmissão estiver configurado para multicast, verifique se há um roteador que ofereça suporte para multicast na rede local à qual o codificador de vídeo em rede está conectado.

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Component Name	URL
ppp-2.4.2	http://ppp.samba.org/

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Component Name

URL

game-ws

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