SAMSUNG TECHWIN

CÂMARA DE REDE

Manual do usuário

SNO-1080R

CE

SAMSUNG

Câmara de rede

Manual do usuário

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- **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 eletricista 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.

Para evitar ferimentos, este aparelho deve ser conectado com firmeza à parede/teto de acordo com as instruções de instalação.

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 eqüilátero 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 eqüilátero 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.

Uma substituição incorreta da bateria pode causar risco de explosão. Substitua apenas pelo mesmo tipo de bateria ou equivalente.

Dispositivo de desconexão

Desconecte o plugue de fonte de alimentação do aparelho, se estiver com defeito. E chame um técnico de reparos em seu local.

Fora dos Estados Unidos, ele poderá ser usado; o código HAR com adaptações de uma agência aprovada é empregado.

CUIDADO

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.

O terminal de saída BNC Out do produto é fornecido para fácil instalação e não é recomendado para propósitos de monitoramento.
Se você manter o cabo BNC conectado, o risco de raios pode danificar ou causar problemas de funcionamento no produto.

Use a energia de entrada apenas com uma Câmera e outros dispositivos nao devem estar conectados.

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 sul, 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.

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RECURSOS DO PRODUTO

- **À prova de pó/À prova d'água (IP66)**
  O design à prova de pó e à prova d'água faz com que você fique tranquilo ao instalar o produto em ambiente externo ou ao expô-lo à chuva.
- **SSNR3 (Samsung Super Noise Reduction)**
  O poderoso chip DSP reduz o ruído de ganho de maneira efetiva para remover o intervalo de tempo, de forma que possa fornecer uma imagem nítida e clara em cenas de baixo contraste.
- **Dia e noite (ICR)**
  Detecta automaticamente a mudança do tempo, se é dia ou noite, para alternar a um modo apropriado para a cena atual. Em uma cena à luz do dia, alterna para o modo de cor para manter os melhores tons de cor enquanto, à noite, alterna para o modo P/B para identificar a cena de baixo contraste.
- **Modo IV**
  Se o indicador de IV acender, o produto mudará para o modo de IV para impedir que um motivo fique muito claro, o que o ajuda a identificar o motivo em uma curta distância.
- **Visibilidade: 15m**
  No modo P/B, o indicador de IV acende com visibilidade efetiva de 15m a 0 Lux.
- **SSDR (Samsung Super Dynamic Range)**
  Para uma cena que mostra uma grande diferença de contraste, por exemplo, uma cena com luz de fundo, o produto mantém o brilho enquanto torna seletivamente as áreas escuras mais claras para balancear o contraste geral.
- **Outros**
  Outros recursos incluem: SENS-PARA CIMA, V-REV, H-REV, D-ZOOM, NITIDEZ, Detecção de movimento, PRIVACIDADE.
- **Fluxo contínuo múltiplo**
  Esta câmera de rede pode exibir vídeos em diferentes resoluções e qualidades simultaneamente com diferentes CODECs.
- **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 relacionado ao evento será transferido para o e-mail especificado pelo usuário.

- **Detecção faces**
  Detecta faces a partir da entrada de vídeo da câmera.
- **Detecção automática da rede desconectada**
  Detecta desconexão de rede antes de disparar um alarme.
- **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(R) Core(TM)2 2,00 GHz ou superior
- Sistema operacional : Windows XP, VISTA, 7, Mac OS
- Resolução : 1280X1024 pixels ou superior
- RAM : 1GB ou superior
- Navegador da Web : Internet Explorer 7.0 ou mais recente, Firefox 3.0 ou mais recente, Chrome 8.0 ou mais recente, Safari 4.0 ou mais recente
  - Nem a versão de teste beta, diferente da versão lançada no site da empresa, nem a versão do desenvolvedor serão suportadas.
  - É recomendável conectar ao IPv6 no Windows 7.
- Memória de vídeo : 128MB 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.

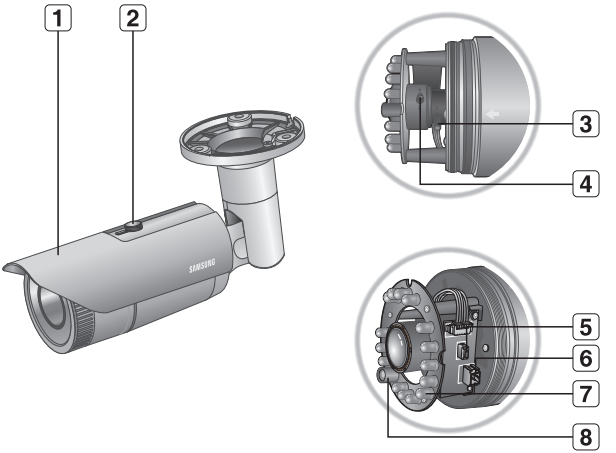
ITENS FORNECIDOS

Verifique se sua câmera e os acessórios estão inclusos no pacote do produto.

Aparência	Nome do item	Quantidade	Descrição
	Câmera	1	
	Manual do usuário, CD de instalação de S/W, DVD do S/W CMS	2	
	Guia de consulta rápida	1	
	Cabo do monitor de teste	1	Usado para testar a conexão da câmera a um dispositivo de exibição portátil
	Gabarito	1	Guia de instalação do produto
	Macho de tarracha	3	Usadas para instalação em parede ou teto
	Chave inglesa L	1	Usado para ajustar a orientação da câmera
	Protetor solar	1	Protege a câmera da luz direta do sol.
	Suporte do protetor solar	1	Fixa o protetor solar à câmera.

INFORMAÇÕES RESUMIDAS

Parte frontal

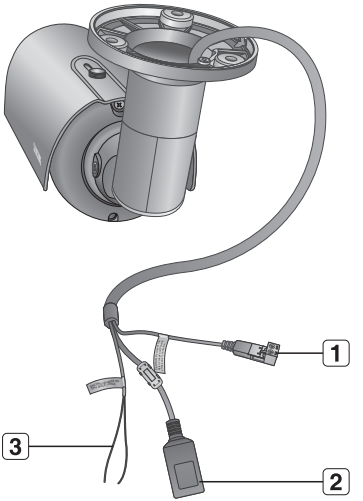


Item	Descrição
1 Protetor solar	Protege a câmera da luz direta do sol.
2 Suporte do protetor solar	Fixa o protetor solar à câmera.
3 Alavanca de zoom	Gire para a esquerda ou para a direita para ajustar o tamanho de um objeto.
4 Alavanca do foco	Gire para a esquerda ou para a direita para ajustar o foco.

Item	Descrição
5 Botão Reset	Redefine as configurações da câmera ao padrão. Pressione e mantenha pressionado por cerca de 5 segundos para reiniciar o sistema. ! Se você reinicializar a câmera, as configurações de rede serão ajustadas para que o DHCP possa ser ativado. Se não houver nenhum servidor DHCP na rede, você deve executar o programa Instalador de IP para alterar as configurações básicas de rede, como o endereço IP, a máscara de sub-rede, o gateway, etc., antes que seja possível conectar-se à rede.
6 Porta de saída de vídeo	Conectada ao monitor de forma que você possa verificar o vídeo da câmera. (para instalação)
7 LED de IV	Esses LEDs de infravermelho são controlados pelo sensor de iluminação.
8 Sensor de iluminação	Detecta a luz de entrada para controlar o LED de IV.

- Limpe a superfície da lente cuidadosamente com um tecido apropriado para lente ou tecido ao qual você aplicou etanol.

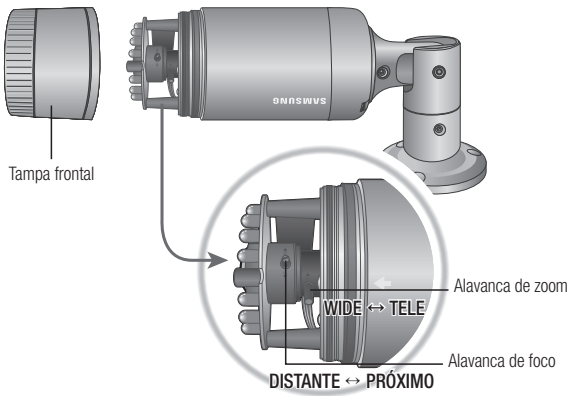
Parte traseira



Item	Descrição	
1 Porta de alimentação	Usada para conectar o cabo de alimentação.	
2 Porta de rede	Usada para conectar um cabo PoE ou Ethernet.	
3 Porta de entrada de alarme	BROWN (ALARM IN)	Usado para conexão ao sensor de entrada do alarme.
	SKY BULE (GND)	Usado para aterramento.

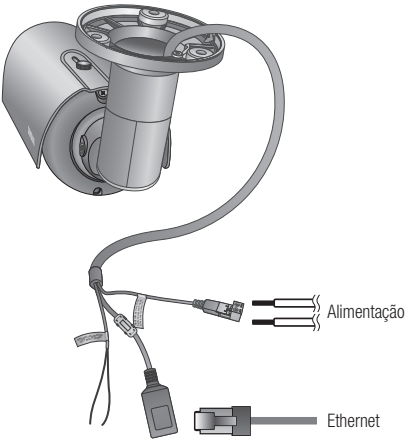
PARA AJUSTAR O FATOR DE ZOOM OU FOCO

1. Solte a tampa frontal, conforme mostrado.
2. Solte a alavanca de zoom/foco ligeiramente.
3. Posicione a alavanca de zoom/foco em WIDE (PRÓXIMO) ou TELE (DISTANTE), conforme apropriado.
4. Em seguida, aperte a alavanca de zoom/foco para fixar a posição ajustada.
5. Gire a tampa frontal para apertá-la.



- Para garantir uma total impermeabilização, aperte a tampa frontal girando-a até o final. Ao fixar a tampa frontal, certifique-se de que o triângulo do corpo principal esteja voltado ao triângulo da tampa frontal.
- Use a alavanca para ajustar o fator de zoom ou foco e gire-a no sentido horário para fixá-la.
- Antes que você possa ajustar o fator de zoom/foco da lente, solte e remova a tampa frontal.

CONECTANDO A OUTRO DISPOSITIVO



Conexão Ethernet

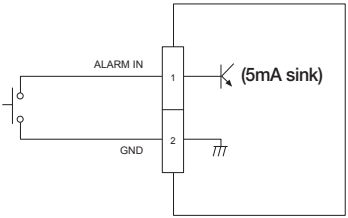
Conecte o cabo Ethernet à rede local ou à Internet.

Fonte de alimentação

Use a chave de fenda para conectar cada linha (+, –) do cabo de alimentação à porta de alimentação correspondente da câmera.

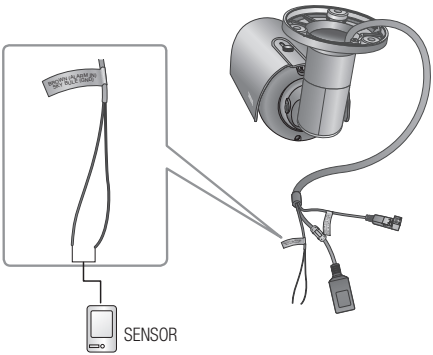
- Tenha cuidado para não inverter a polaridade quando conectar o cabo de alimentação. Também é possível usar um roteador que tenha PoE (Power over Ethernet) para fornece energia à câmera.
- Se PoE e 12VCA forem aplicados, esta câmera será alimentada com energia PoE.
- Certifique-se de que o monitor e a câmera estejam desligados ao conectá-los.

Diagrama de fiação de entrada do alarme



Para conexão à porta de entrada do alarme

Conecte o sinal de entrada do alarme à porta de entrada do cabo.



Porta	Descrição	Porta	Descrição
ALARM IN	Porta do sensor de entrada de alarme	**GND**	Porta do terra

Para conectar o sinal de entrada de alarme

Conecte uma trança de cada linha de sinal (duas tranças) dos sensores à porta [**ALARM IN**] e conecte a outra trança à porta [**GND**].

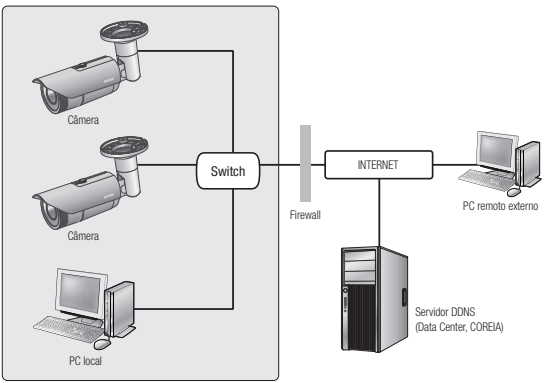
conexão e configuração de rede

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

CONECTANDO A CÂMERA DIRETAMENTE À REDE LOCAL

Conectando a câmera a partir de um PC local na LAN

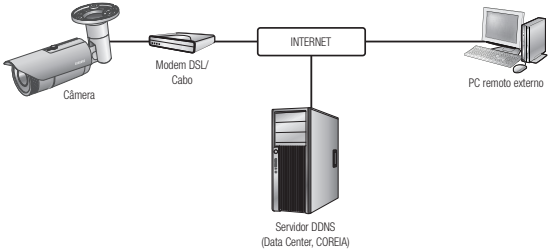
1. Inicie um navegador de Internet ao PC local.
2. Insira o endereço IP da câmera na barra de endereços do navegador.



<Rede local>

- Um PC remoto em uma Internet externa fora da rede LAN talvez não consiga se conectar à câmera instalada 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 "**Configuracao de IP estatico**". (Página 23)

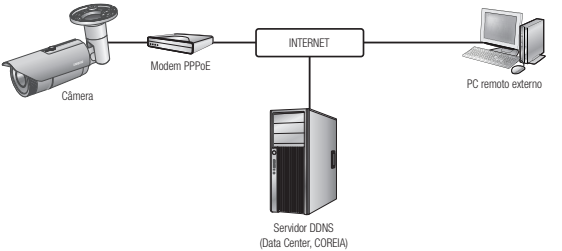
CONECTANDO A CÂMERA DIRETAMENTE A UM DHCP COM BASE NO MODEM DSL/CABO



1. Use o cabo de LAN cruzado para conectar o cabo de rede diretamente ao seu PC.
2. Execute o instalador de IP e altere o endereço IP da câmera 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 a câmera, que foi removida do PC, diretamente para o modem.
8. Reinicie a câmera.

- Para registrar as configurações do DDNS, consulte "**Registrando com DDNS**". (página 53)
- Para definir as configurações do DDNS, consulte "**DDNS**". (página 52)
- Para definir o tipo de rede, consulte "**Interface**". (página 50)

CONECTANDO A CÂMERA DIRETAMENTE A UM MODEM PPPoE

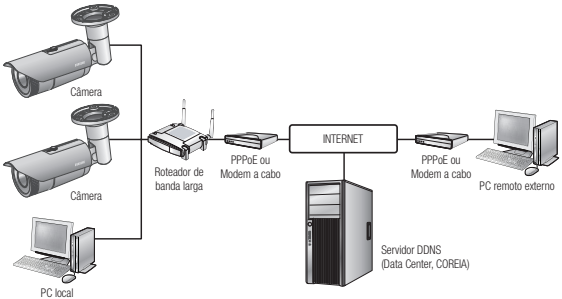


1. Use o cabo de LAN cruzado para conectar o cabo de rede diretamente ao seu PC.
2. Execute o instalador de IP e altere o endereço IP da câmera para que você possa usar o navegador da Web em sua área de trabalho para conectar-se à Internet.
3. Use o navegador da Internet para conectar-se ao visualizador 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 [**PPPoE**].
7. Conecte a câmera, que foi removida do PC, diretamente para o modem.
8. Reinicie a câmera.

- Para registrar as configurações do DDNS, consulte "**Registrando com DDNS**". (página 53)
- Para definir as configurações do DDNS, consulte "**DDNS**". (página 52)
- Para definir o tipo de rede, consulte "**Interface**". (página 50)

CONECTANDO A CÂMERA A UM ROTEADOR DE BANDA LARGA COM O MODEM PPPoE/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.

- Selecione : <**Vizinhança da rede**> → <**Propriedades**> → <**Conexão de área local**> → <**Propriedades**> → <**Geral**> → <**TCP/IP**> → <**Propriedades**> → <**Obter um endereço IP automaticamente**> ou <**Usar o seguinte endereço IP**>.
- Siga as instruções abaixo, se selecionar <**Usar o seguinte endereço IP**>:

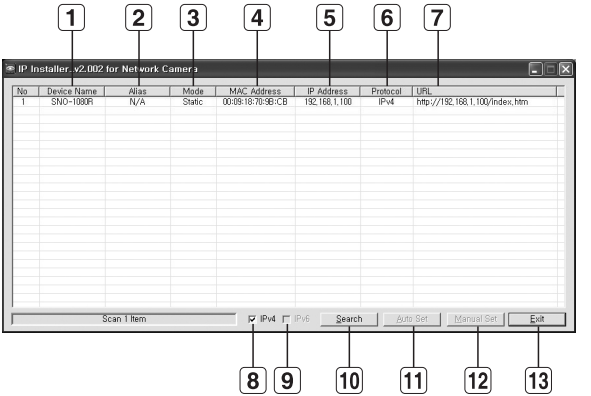
  Por ex 1) Se o endereço (LAN IP) do Roteador de banda larga for 192.168.1.1
  Endereço IP : 192.168.1.100
  Máscara de sub-rede : 255.255.255.0
  Gateway padrão : 192.168.1.1

  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 28)

BOTÕES USADOS NO INSTALADOR DE IP



Item	Descrição
1 **Device Name**	Nome do modelo da câmera conectada. Clique na coluna para classificar a lista por nome de modelo. No entanto, a pesquisa será parada se clicada durante a pesquisa.
2 **Alias**	Esta função não está atualmente implementada.
3 **Mode**	Exibe <**Static**>, <**Dynamic**> ou <**PPPoE**> para o status atual de conexão de rede atual.
4 **MAC(Ethernet) Address**	Endereço Ethernet para a câmera conectada. Clique na coluna para classificar a lista por endereço Ethernet. No entanto, a pesquisa será parada se clicada durante a pesquisa.
5 **IP Address**	Endereço IP. Clique na coluna para classificar a lista por endereço IP. No entanto, a pesquisa será parada se clicada durante a pesquisa.
6 **Protocol**	Configuração da rede para a câmera. O padrão de fábrica é "IPv4". As câmeras com a configuração IPv6 serão exibidas com "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 câmera, se o registro DDNS tiver falhado.
8 IPv4	Procura pelas câmeras com a configuração IPv4.
9 IPv6	Procura pelas câmeras com a configuração IPv6. Ativado somente em um ambiente compatível com IPv6.
10 Search	Procura pelas câmeras atualmente conectadas à rede. No entanto, este botão ficará esmaecido se IPv4 e IPv6 não estiverem marcados.
11 Auto Set	O IP Installer configura automaticamente a rede.
12 Manual Set	Você deve definir as configurações de rede manualmente.
13 Exit	Sai do programa Instalador de IP.

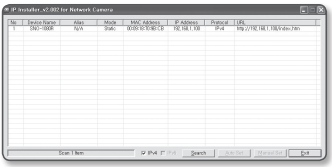
- Para o IP Installer, use apenas a versão do instalador fornecida no CD de instalação ou use a última, se disponível. Você pode baixar a última versão no site da Samsung (www.samsungcctv.com).

CONFIGURAÇÃO DE IP ESTÁTICO

Configuração de rede manual

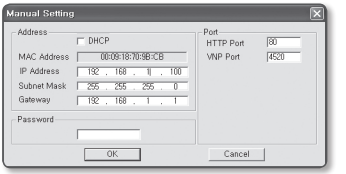
Execute <**IP Installer_v2.XX.exe**> para exibir a lista de pesquisa da câmera.
Na inicialização inicial, tanto [**Auto Set**] como [**Manual Set**] estarão esmaecidos.

- Para câmeras com a configuração IPv6, esses botões estarão esmaecidos porque as câmeras não possuem suporte para esta função.



1. Selecione uma câmera na lista de pesquisa.
   Verifique o endereço MAC da câmera na etiqueta da mesma.
   Tanto o botão [**Auto Set**] como o botão [**Manual Set**] estarão ativados.
2. Clique em [**Manual Set**].
   A caixa de diálogo Manual Setting é exibida. Os valores padrão de <**IP Address**>, <**Subnet Mask**>, <**Gateway**>, <**HTTP Port**> e <**VNP Port**> da câmera serão exibidos.

3. No painel <**Address**>, forneça as informações necessárias.
   - MAC (Ethernet) Address : O endereço MAC impresso na etiqueta da câmera é exibido automaticamente e não necessita de qualquer configuração realizada pelo usuário.

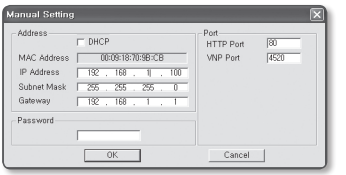


- É possível definir as configurações de IP estático apenas se a caixa de seleção DHCP estiver desmarcada.

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

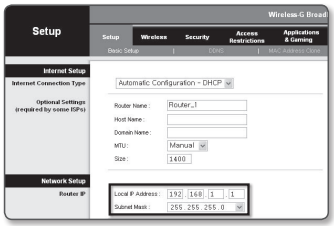


5. Digite a senha.
   Insira a senha da conta "**admin**" que foi usada para acessar a câmera.
   A senha padrão é "**4321**".

- 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.
- Se pretender alterar a palavra-passe, consulte a secção "**Alteração de senha de administrador**" da configuração do utilizador. (página 70)

6. Clique em [**OK**].
   A configuração de rede manual será concluída.

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**> da câmera.
- Gateway : O <**Local IP Address**> do Roteador de banda larga será o <**Gateway**> da câmera.

- 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 28)

Se o Roteador de banda larga tiver mais de uma câmera conectada

Defina as configurações relacionadas ao IP e as configurações relacionadas à porta de modo distinto entre si.

Por ex)

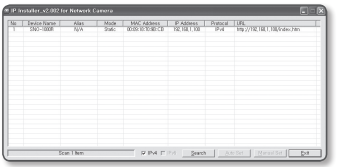
Categoria		Câmera #1	Câmera #2
Configurações relacionadas ao IP	IP Address Subnet Mask Gateway	192.168.1.100 255.255.255.0 192.168.1.1	192.168.1.101 255.255.255.0 192.168.1.1
Configurações relacionadas à porta	HTTP Port VNP Port	8080 4520	8081 4521

- Se a <**HTTP Port**> estiver configurada para um valor que não seja 80, você terá que fornecer o número de <**Port**> na barra de endereço do navegador de Internet antes que possa acessar a câmera.
  Por ex) http://IP address : HTTP Port
  http://192.168.1.100:8080

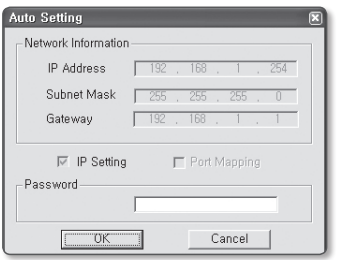
Configuração de rede automática

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

- Para câmeras com a configuração IPv6, esses botões estarão esmaecidos porque as câmeras não possuem suporte para esta função.



1. Selecione uma câmera na lista de pesquisa.
   Localize o endereço MAC (Ethernet) identificado na parte traseira da câmera.
   Tanto o botão [**Auto Set**] como o botão [**Manual Set**] estarão ativados
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.
   Insira a senha da conta "**admin**" que foi usada para acessar a câmera.
   A senha padrão é "**4321**".

- 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.

- Se pretender alterar a palavra-passe, consulte a secção "**Alteração de senha de administrador**" da configuração do utilizador. (página 70)

4. Clique em [**OK**].
   A configuração de rede automática será concluída.

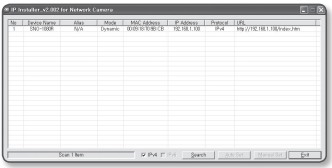
CONFIGURAÇÃO DE IP DINÂMICO

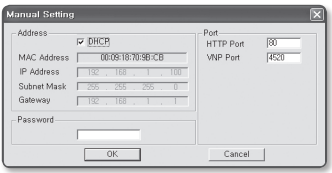
Configuração de ambiente de IP dinâmico

- Exemplo do ambiente de IP dinâmico
  - Se um Roteador de banda larga, com câmeras conectadas, estiver designado a um endereço IP pelo Servidor DHCP
  - Se estiver conectando a câmera diretamente ao modem usando os protocolos DHCP
  - Se os IPs estiverem designados ao servidor DHCP interno através da LAN

Verificando o IP dinâmico

1. Execute o IP Installer no computador local do usuário.
   As câmeras alocadas com o endereço <**Dynamic IP**> são mostradas na lista.
2. Selecione uma câmera nos resultados da pesquisa.
3. Clique no botão [**Manual Set**] e verifique o endereço <**Dynamic IP**> da câmera. Se você desmarcar <**DHCP**>, você poderá mudar o IP para <**Static**>.

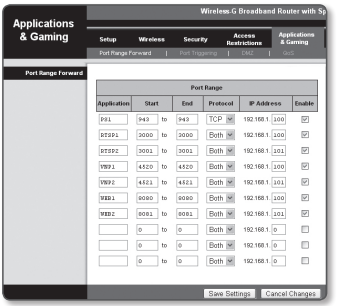




CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

Se você instalou um Roteador de banda larga com uma câmera conectada, será necessário configurar o avanço da faixa da porta no Roteador de banda larga para que um PC remoto possa acessar a câmera 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 câmera conectada 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 da web da câmera.
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.

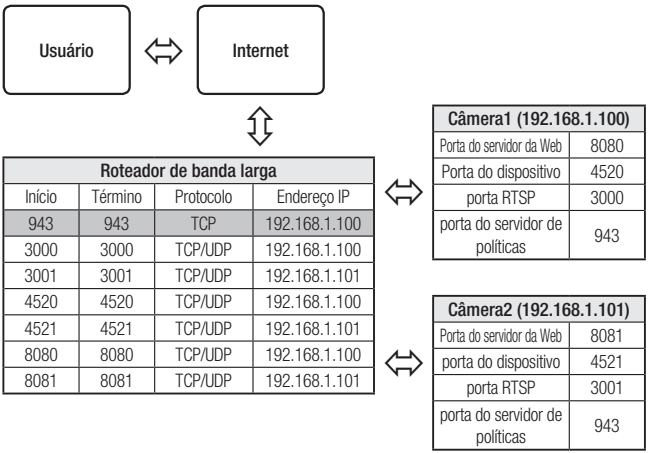
Configurando o avanço da faixa da porta para várias câmeras de rede

Quando várias câmeras de rede se conectarem a um dispositivo Roteador de banda larga, será preciso encaminhar a porta TCP 943 do roteador para a porta TCP 943 de uma câmera conectada.

- Quando várias câmeras de rede se conectarem a um dispositivo Roteador de banda larga, será preciso encaminhar a porta TCP 943 do roteador para a porta TCP 943 de uma câmera conectada.

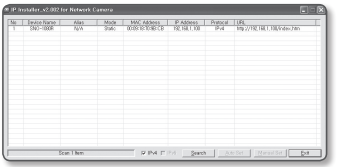
- A porta TCP 943 é uma porta para o servidor de políticas Silverlight de uma câmera.
- Você pode definir uma regra de encaminhamento de porta no Roteador de banda larga por meio da página de configuração do mesmo na Web.
- Não é possível alterar a porta do servidor de políticas Silverlight de uma câmera.
- Você pode alterar as portas da câmera, exceto a porta do servidor de políticas por meio das páginas de configuração na Web.

Quando a Câmera1 e Câmera2 estiverem conectadas a um roteador :



CONECTANDO À CÂMERA A PARTIR DE UM PC LOCAL COMPARTILHADO

1. Execute o IP Installer.
   Ele procurará pelas câmeras conectadas e exibirá uma lista delas.
2. Clique duas vezes em uma câmera para acessá-la.
   O navegador da Internet inicia e se conecta à câmera.



- Você também pode acessar a câmera de modo que você digita o endereço IP da câmera encontrada na barra de endereços do navegador da Internet.

CONECTANDO À CÂMERA 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 as câmeras dentro de uma rede do Roteador de banda larga usando o URL DDNS da câmera.

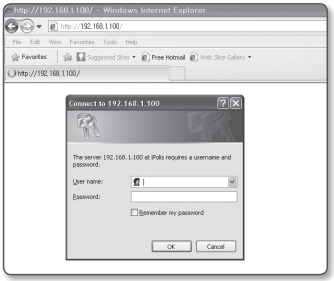
1. Antes de acessar uma câmera na rede do Roteador de banda larga, você deve ter configurado o avanço de faixa de porta para o Roteador de banda larga.
2. No PC remoto, ative o navegador da Internet e digite o endereço de URL DDNS da câmera ou o endereço IP do Roteador de banda larga na barra de endereço.
   Por ex) http://www.samsungipolis.com/[ID do produto]

- Para registrar as configurações do DDNS, consulte “**Registrando com DDNS**”. (página 53)

CONECTANDO À CÂMERA

Normalmente, você

1. Inicia o navegador da Internet.
2. Digita o endereço IP da câmera na barra de endereço.
   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:0000:0000:ffff:1111] - A caixa de diálogo Login deverá aparecer.



Se a porta HTTP for diferente de 80

1. Inicia o navegador da Internet.
2. Digita o endereço IP e o número da porta HTTP da câmera na barra de endereço.
   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. Digita o URL DDNS da câmera na barra de endereço.
   Por ex) Endereço URL: http://www.samsungipolis.com/[ID do produto]
   - A caixa de diálogo Login deverá aparecer.

▪ Para verificar o endereço DDNS

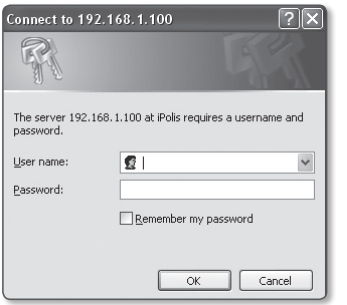
Se a câmera estiver conectada diretamente ao modem a cabo DHCP, modem DSL ou modem PPPoE, o endereço IP de sua rede será alterado sempre que você tentar se conectar ao servidor ISP (Provedor de serviço de Internet).
Se esse for o caso, você não será informado do endereço IP alterado por DDNS.

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 você acessar a câmera, a janela de logon é exibida.
Insira o ID do usuário e a senha para acessar a câmera.

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.

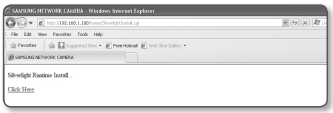
- Você experimentará a melhor qualidade de vídeo se o tamanho da tela estiver em 100%.
  A redução da proporção pode cortar a imagem nas margens.

INSTALANDO O SILVERLIGHT RUNTIME

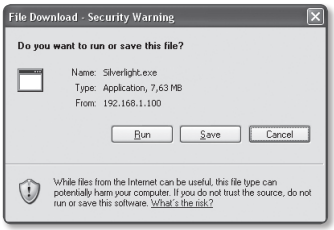
Se seu PC não tiver o Silverlight Runtime instalado ou acaba de ser instalada uma versão antiga, você será redirecionado para a página de instalação do Silverlight Runtime automaticamente ao acessar o Visualizador da Web.

▪ Para instalar no Sistema Operacional Windows

1. Clique em <**Click Here**>.

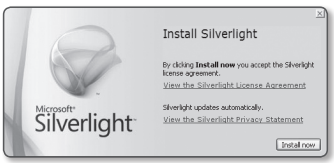


2. Quando a caixa de diálogo de download de arquivo aparecer, clique em <**Run**>.

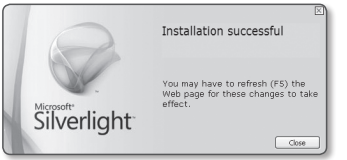


3. Quando o download for concluído, clique em <**Run**>.

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**>.

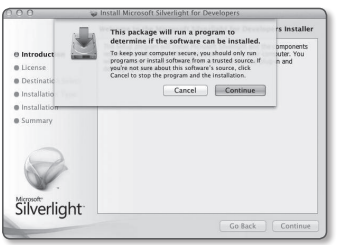


■ **Para instalar no Sistema Operacional MAC OS**

1. Execute o arquivo terminado com ".dmg".

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

3. Clique em <**Continue**>.



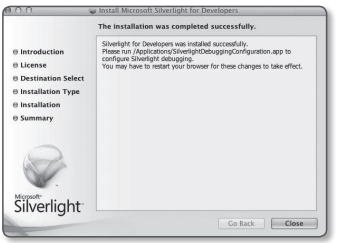
4. Selecione o seu idioma na tela de seleção de idiomas e clique em <**Continue**>.

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**>.

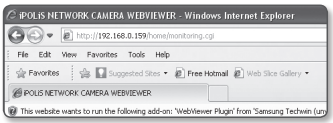


INSTALANDO O PLUGIN DO STW WebViewer

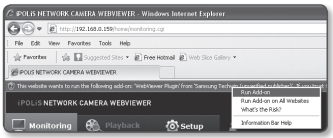
Ao conectar-se a uma câmera pela primeira vez, você verá a mensagem de instalação. Em seguida, instale o plug-in do Visualizador da Web necessário para acessar a câmera e controlar o vídeo dela em tempo real.

- O Microsoft Visual C++ 2010 Redistribute Package deve estar instalado em seu PC antes de instalar o plug-in do Visualizador da Web. Se o Visual Studio 2010 não estiver instalado, você verá uma mensagem de erro de "VC++ 2010 runtime não instalado. Instale a biblioteca de runtime". Execute o arquivo vcredist_x86.exe, que pode ser encontrado no site da Samsung em www.samsungcctv.com ou no CD de instalação fornecido. O arquivo vcredist_x86.exe é o programa instalador do pacote redistribuível do Visual Studio 2010 da Microsoft para sistemas operacionais de 32 bits.

1. Ao acessar a tela de início da página de monitoramento, clique na mensagem de aviso amarela na parte superior da página.

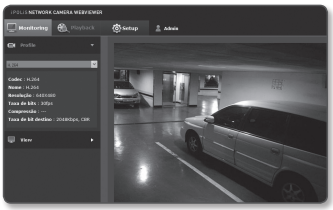


2. Clique em <**Run Add-on**>.



3. O pop-up de aviso de segurança aparece, clique em [**Run**].

4. Quando o plug-in do Visualizador da Web for instalado adequadamente, será exibida a tela ao vivo.



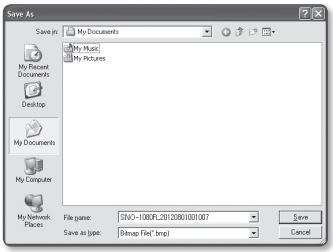
USANDO A TELA AO VIVO

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 <**Vídeo**>. ■ 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	Independentemente da configuração de resolução definida na câmera, ela define a resolução para 640 x 480. Pressione o botão novamente para retornar à resolução padrão.

Item	Descrição
7 Tela inteira	Alterne 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 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 (** **)**] na cena a ser capturada.
   A caixa de diálogo Capturar deverá aparecer.
2. Confirme o caminho do salvamento e clique no botão [**Save**].
   A foto será salva no caminho especificado.



- 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**".

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.

tela de configuração

CONFIGURAR

Você pode configurar o vídeo, a rede, as configurações de evento e sistema da câmera através da rede.

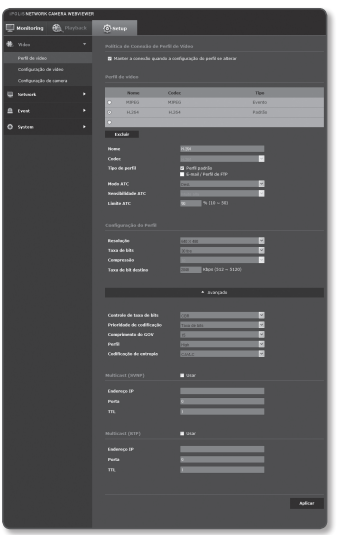
1. Na tela ao vivo, clique em [**Setup (** Setup **)**].
2. A tela de configuração é exibida.

- É preciso instalar o Microsoft Sliverlight 4.0 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

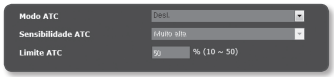
Perfil de vídeo

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



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.
   - 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 grande**>, e será ajustada para a mais lenta se a largura de banda for <**Muito pequena**>.
   - 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.

   - Recomendamos que aplique o controle ATC apenas a câmeras que suportam este recurso.
   - 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 (** Aplicar **)**].

Para adicionar um perfil de vídeo

Você pode adicionar quantos codecs forem necessários, de forma que uma variedade de perfis possa ser aplicada de acordo com a condição 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 do vídeo dos arquivos 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.
   - Prioridade de codificação : Você pode configurar o método de transferência de vídeo para Taxa de quadros ou Qualidade.
   - Comprimento do GOV : Selecione um tamanho de GOV entre 1 e 150.
   - Perfil : Você pode selecionar o método de perfi l 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.
   - 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.

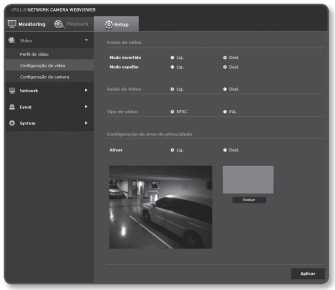
O que é tamanho de GOV?

GOV (Grupo de planos de objeto de vídeo) é um conjunto de quadros de vídeo para compressão em H.264, indicando uma coleção de quadros a partir do Quadro I inicial (quadro-chave) ao próximo Quadro I. 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.

Você pode especificar um valor entre 1 e 150 para o CODEC H.264.

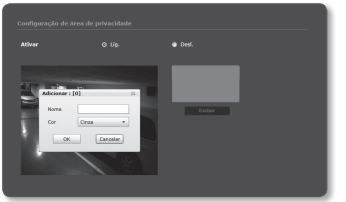
Configuração de vídeo



1. No menu de configuração, selecione a guia <**Video (** **)**>.
2. Clique em <**Configuração de vídeo**>.
3. Selecione um modo de <**Fonte de vídeo**>.
   - Modo invertido : Gire de cima para baixo a imagem capturada pela câmera.
   - Modo espelho : Gire na horizontal a imagem capturada pela câmera.
4. Defina <**Saída de Vídeo**>.
   - Se você selecionar <**Desl.**>, o sinal de vídeo não será transmitido via porta de saída de vídeo.
5. Selecione o tipo de vídeo.
6. Especifique a zona de privacidade.
7. Quando concluído, clique em [**Aplicar (** Aplicar **)**].

Para configurar a zona de privacidade

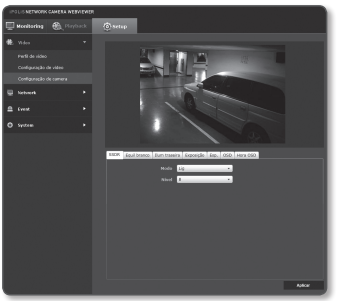
Você pode especificar uma determinada área do vídeo da câmera a ser protegida para sua privacidade.



1. Configure-a para <**Lig.**>.
2. Quando concluído, clique em [**Aplicar** (Aplicar)].
3. Selecione 4 vértices (formando um quadrilátero) no vídeo.
4. Forneça um nome e uma cor. Em seguida, pressione [**OK**].
5. Se quiser excluir uma área na lista, selecione uma e clique em [**Excluir** (Excluir)].

Configuração de camera

Você pode alterar as configurações da câmera de acordo com o ambiente em que a câmera está localizada.



1. No menu de configuração, selecione a guia <**Video** ( )>.
2. Clique em <**Configuração de camera**>.
3. Configure as opções conforme necessário de: SSDR, Equil branco, Ilum traseira, Exposição, Esp., OSD, Hora OSD
4. Quando concluído, clique em [**Aplicar** (Aplicar)].
   - Se passar um determinado tempo (tempo-limite: 240s) sem que você pressione o botão [**Aplicar** (Aplicar)] após alterar as configurações, suas alterações não serão aplicadas.

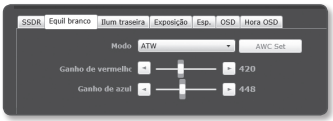
Configuração SSDR (Samsung Super Dynamic Range)

Em uma cena em que a diferença entre o claro e o escuro é grande, você pode aumentar o brilho da área escura sozinha para regular o brilho geral.

1. Selecione <**SSDR**>.
2. Configure <**Modo**> para <**Lig**>.
3. Defina as configurações de <**Nível**> conforme necessário.
   - Nível : Ajuste o nível da faixa dinâmica.

Configuração do equilíbrio de branco

Você pode corrigir as cores da imagem com base no branco sob quaisquer condições de iluminação.



1. Selecione <**Equil branco**>.
2. Selecione <**Modo**>.
   - ATW : Corrige as cores do vídeo da câmera automaticamente.
   - Manual : Você pode ajustar os ganhos de vermelho e azul do vídeo da câmera manualmente.
   - AWC : Corrige as cores do vídeo da câmera para que seja otimizado para as condições atuais de iluminação e modo de tela.
     Talvez seja necessário um reajuste se a condição de iluminação for alterada.
   - Exterior : Corrige automaticamente as cores do vídeo da câmera para que sejam otimizadas para o ambiente externo.
   - Interior : Corrige automaticamente as cores do vídeo da câmera para que sejam otimizadas para o ambiente interno.

- No modo AWC, clique no botão [**AWC Set**]se quiser manter o nível do equilíbrio de branco da imagem atual.

- O equilíbrio de branco pode não funcionar corretamente nas seguintes condições:
  Se esse for o caso, alterne para o modo AWC.
  - Se a condição adjacente do objeto estiver fora da faixa de correção de temperatura
    Por ex) céu claro, pôr-do-sol
  - Se a adjacência do objeto for escura
  - Se o foco da câmera estiver diretamente direcionado à iluminação fluorescente ou se a câmera estiver instalada em um local de iluminação variável, a operação de equilíbrio de branco poderá ficar instável.

Configuração de luz de fundo personalizada

Você pode especificar manualmente uma área desejada no vídeo e configurar a área para ser exibida de forma mais nítida.

1. Selecione <**Ilum traseira**>.
2. Configure <**Modo**> para <**CIT**>.
3. Configure <**BLC nível**>.
   Você pode alterar o nível para ajustar o brilho da área de monitoramento.
4. Configure os níveis <**Acima**, **Abaixo**, **Esq**, **Dir**> para especificar a área de destino.

Configuração de exposição

Você pode ajustar o nível de exposição da câmera.

1. Selecione <**Exposição**>.
2. Selecione cada item e configure-o corretamente.
   - Brilho : Ajuste o brilho da tela.
   - Obturador modo : Ajuste o obturador eletrônico da câmera.
     - ESC (controle do obturador eletrônico) : Ajusta a velocidade do obturador automaticamente de acordo com o brilho do ambiente.
     - Manual : Ajuste a velocidade do obturador da câmera manualmente.
     - A.FLK (Antitremulação) : Selecione este recurso se você encontrar uma tela intermitente devido a uma discrepância de frequência com a iluminação ambiente.
   - Obturador velocidade : controle a velocidade do obturador manualmente.
   - SSNR3 : Especifique o uso da redução de ruído.
   - SSNR3 nível : Ajuste o nível de redução de ruído.
   - Sens-up velocidade : detecta automaticamente o nível de escuridão à noite ou em uma cena de baixo contraste e estende o tempo de acúmulo de acordo para uma imagem brilhante e nítida.
     - Se você configurar o modo do obturador para Manual/A.FLK, o modo SENS AUM será desativado.
     - Quanto maior for o fator do Sens-Up, mais clara se torna a tela, mas ele pode resultar em uma pós-imagem ou atraso de vídeo.
   - Sens-up limite : Configure a condição de trabalho para o modo Auto em uma cena de baixo contraste.
   - Íris : Selecione para configurar o modo de íris da câmera para Manual ou Auto.
     - Para uma câmera com o tipo de obturador ESC, a íris funcionará apropriadamente somente se for configurada como <**Manual**>.
       Se a íris for configurada como <**Auto**>, a velocidade do obturador será fixada em 1/60 segundos no modo ESC.
   - AGC modo : Selecione o modo AGC.
     Ajuste o valor do ganho do vídeo (que, em particular, foi gravado em uma cena de contraste baixo e tem um nível de brilho menor do que o normal) para controlar o brilho do vídeo.

Configuração dos esp.

1. Selecione <**Esp.**>.
2. Selecione cada item e configure-o corretamente.
   - Dia/noite : Você pode alternar entre os modos para ajustar o nível de preto e branco, bem como as cores.
     - Cor : Sempre exibe o vídeo em cores.
     - B/W : Sempre exibe o vídeo em preto e branco.
     - Auto : exibe no modo colorido de dia e muda para o modo preto e branco em uma cena de baixo contraste, à noite.
       - Se você configurar o modo CGA para DESL em <**Exposição**>, o modo DIA/NOITE AUTO será desativado.
     - P/B externo : Controla os modos de imagem de Cor e BW quando um IR externo estiver sincronizado por meio da porta Ent alm.
   - Tempo perm : É o tempo de permanência de cada condição de iluminação aplicável para possibilitar a alternância entre os modos dia e noite.
   - Duração : Ajuste a velocidade da iluminação que aciona o interruptor de modo.
   - Nitidez : Ajuste a nitidez geral da imagem. Se você selecionar <**Lig**>, poderá ajustar a nitidez da imagem.
   - Configuração nitidez : Quanto maior for o nível, mais nítido e claro torna-se o contorno da imagem.
   - Gamma : Ajuste o contraste da imagem.
   - Nível cor : Ajuste o nível da cor da imagem.
   - Ent alm : Ajuste a imagem para Cor ou BW dependendo do estado do sensor do alarme em sincronia com o IR.
     - Se o modo Dia/Noite estiver configurado como P/B externo, a função de entrada de alarme da página de entrada de alarme de evento será desativada.
   - Modo Negativo: Exibe a imagem inversa do vídeo.

Configuração do menu

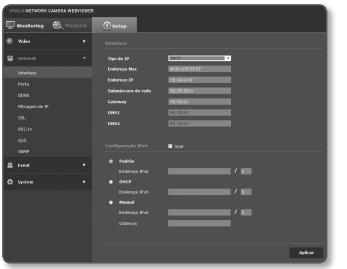
1. Selecione <**OSD**>.
2. Selecione cada item e configure-o corretamente.
   - Título câmera : Especifique se o título da câmara deve ou não ser apresentado no ecrã.
     - Você pode inserir até 15 caracteres para o título.
   - Título câmera posição X, Y : Especifique as coordenadas onde o título da câmera será exibido na tela.

Configuração do tempo de OSD

1. Selecione <**Hora OSD**>.
2. Selecione cada item e configure-o corretamente.
   - Hora display : Especifique o uso da exibição de hora na tela.
   - Form data : Especifique o formato de data a ser exibido na tela.
   - Hora posição display X, Y : Especifique a posição da exibição de hora na tela.
   - Exibir dia da semana : Especifique a data da exibição do uso de dados na tela

CONFIGURAÇÃO DE REDE

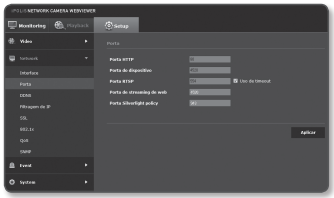
Interface



1. No menu de configuração, selecione a guia <**Network (** **)**>.
2. Clique em <**Interface**>.
3. Configurar <**Interface**>.
   - 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.
4. Quando concluído, clique em [**Aplicar (** 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 (** 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.

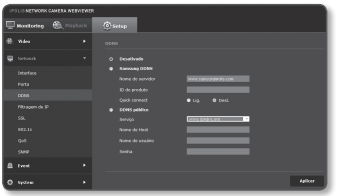
- Porta HTTP : A porta HTTP usada para acessar a câmera via navegador da Web. O padrão é 80 (TCP).
  - Não é permitido pela política de segurança definir a porta HTTP dos navegadores Safari e Google como 65535.
- Porta do dispositivo : Configure uma porta usada para transferir sinais de vídeo com protocolos 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 é possível alterar a porta do servidor de políticas do Web Streaming/Sliverlight de uma câmera.

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

DDNS

DDNS é uma abreviação de Dynamic Domain Name Service (Serviço de nomes de domínio dinâmico) que converte o endereço IP de uma câmera em um Nome de host geral, de forma que o usuário possa facilmente se lembrar dele.



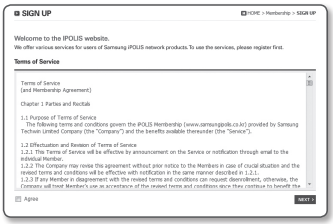
1. No menu de configuração, selecione a guia <**Network** ( )>.
2. Clique em <**DDNS**>.
3. Selecione o tipo de conexão <**DDNS**>.
4. Digite os itens de DDNS de acordo com o tipo selecionado.
   - Samsung DDNS : Selecione se você usar o servidor DDNS fornecido pela Samsung Techwin.
     - ID do produto : Digite o ID do produto que está registrado cm o serviço DDNS da Samsung.
     - Quick connect : 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** (Aplicar)].

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

Registrando com DDNS

Para registrar seu produto com o Samsung DDNS

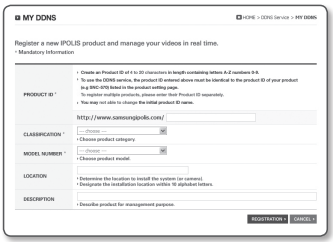
1. Visite o site iPOLiS na Web (www.samsungipolis.com) e entre com uma conta registrada.



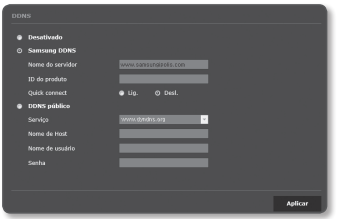
2. Na barra de menus superior, selecione <**DDNS SERVICE**>-<**MY DDNS**>.

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.



Para conectar-se ao Samsung DDNS na configuração da câmera



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.

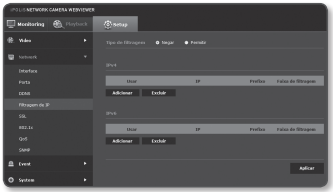
Configurando o DDNS público nas configurações da câmera

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 28)

Filtragem de IP

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



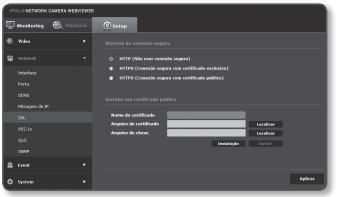
1. No menu de configuração, selecione a guia <**Network (**)>.
2. Clique em <**Filtragem de IP**>.
3. Selecione <**Tipo de filtragem**>.
   - Negar : Se selecionado, o acesso a partir desses IPs que foram adicionados à filtragem será restrito.
   - Permitir : Se selecionado, o acesso somente a partir desses IPs que foram adicionados à filtragem será aceito.
4. Clique no botão [**Adicionar (** 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 (** Excluir **)**].
7. Quando concluído, clique em [**Aplicar (** Aplicar **)**].

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 a câmera usando o modo HTTPS, é preciso digitar o endereço IP da câmera, no formato "https://<Camera_IP>". 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. Pesquise o certificado público que deseja instalar na câmera.
   Para instalar o certificado na câmera, é preciso 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 (** Aplicar **)**].

Instalando o certificado

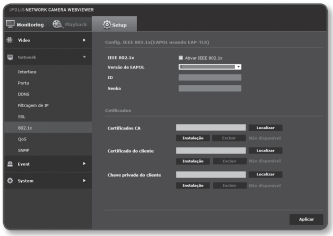
1. Insira o nome do certificado.
2. Selecione o arquivo de certificado a ser instalado e a chave do certificado. Em seguida, clique no botão [**Instalação (** Instalação **)**].

Excluindo o certificado

1. Clique no botão [**Excluir (** 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 (Aplicar)**].

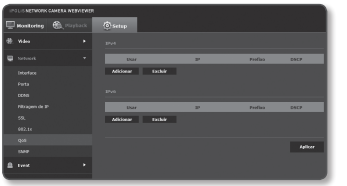
Para instalar/remover os certificados relacionados a 802.1x

1. Pressione o botão [**Localizar (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 (Instalação)**] para iniciar a instalação com a mensagem “Instalado” próxima ao item.
4. Pressione o botão [**Excluir (Excluir)**] para remover o certificado.

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 (** Adicionar **)**]. A lista de IP será criada.
4. Digite um endereço IP ao qual você aplicará QoS.



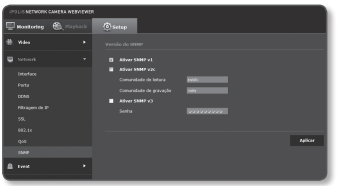
- O prefixo padrão para IPv4 é 32; Para DSCP, o padrão é definido como 63.
- Somente os endereços IP definidos como <**Usar**> podem ser priorizados.

5. Selecione um IP para excluir da lista. Clique no botão [**Excluir (** Excluir **)**].
6. Quando concluído, clique em [**Aplicar (** 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.

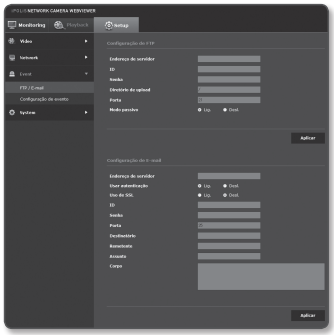
4. Quando concluído, clique em [**Aplicar (** Aplicar **)**].

- O SNMP v3 só poderá ser configurado quando o modo de conexão segura for HTTPS.
  Consulte "**SSL**". (página 56)

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 : Digite o endereço IP do servidor FTP para o qual o alarme ou as imagens do evento serão transferidos.
     - 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 de FTP para o qual você irá transferir o alarme ou as imagens do evento.

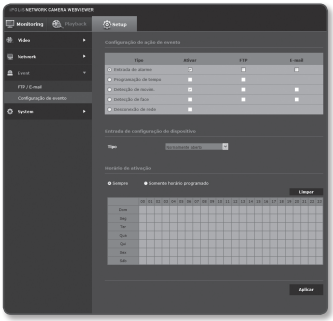
- Porta : A porta padrão do servidor de FTP é 21; no entanto, você pode usar um número de porta diferente de acordo com as configurações do servidor de FTP.
- Modo passivo : Selecione <**Lig.**> se precisar conectar no modo passivo devido às configurações de firewall ou servidor de FTP.

• Configuração de E-mail
- Endereço de servidor : Digite o endereço IP do servidor de e-mail para o qual o alarme ou as imagens do evento serão transferidos.
- 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 o alarme ou as imagens do evento ao e-mail que você está preparando.

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

Entrada de alarme

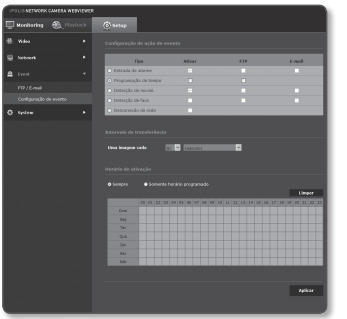
Você pode configurar o tipo de entrada de alarme, hora da ativação e modo de operação.



1. No menu de configuração, selecione a guia <**Event (** 🔔 **)**>.
2. Clique em <**Configuração de evento**>.
3. Selecione <**Entrada de alarme**> em <**Configuração de ação de evento**>.
4. Defina se deixará ou não <**Ativar**>.
5. Especifique um dispositivo de entrada.
   - Tipo
     - Normalmente aberto : Está normalmente aberto, mas se estiver fechado, um alarme será acionado.
     - Normalmente fechado : Está normalmente fechado, mas se estiver aberto, um alarme será acionado.
6. Especifique <**Horário de ativação**>.
   - Sempre : Sempre verifique quando ocorre um alarme. É ativado em modo de operação quando o alarme ocorre.
     - Se definida como <**Sempre**>, a hora de ativação não poderá ser alterada.
   - Somente horário programado : Verifique se um alarme ocorre em um dia especificado da semana por um período de tempo especificado. É ativado em modo de operação quando o alarme ocorre.
   - [Limpar (**Limpar**)] : Redefine todas as configurações.
7. Especifique uma operação que será executada se ocorrer um alarme.
   - FTP : Especifique o uso da transferência FTP na configuração de entrada do alarme.
   - E-mail : Especifique o uso da transferência de e-mail na configuração de entrada de alarme.
8. Quando concluído, clique em [**Aplicar (** **Aplicar** **)**].

Programação de tempo

Você pode configurar esta opção para que um evento ocorra em um horário programado independentemente da ocorrência real do evento.

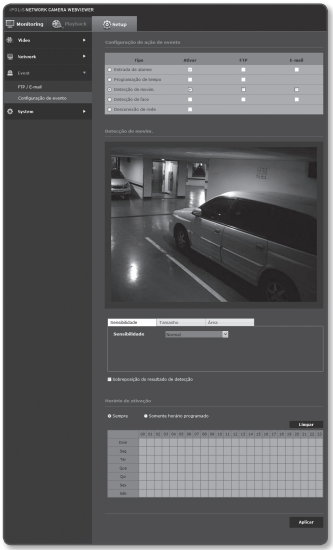


1. No menu de configuração, selecione a guia <**Event (** **)**>.
2. Clique em <**Configuração de evento**>.
3. Selecione <**Programação de tempo**> em <**Configuração de ação de evento**>.
4. Defina se deixará ou não <**Ativar**>.
5. Especifique <**Intervalo de transferência**>.
6. Especifique <**Horário de ativação**>.
   - Sempre : é sempre ativado no modo de operação em intervalo configurado.
   - Somente horário programado : é ativado periodicamente no modo de operação em um horário e data especificados.
7. Especifique as condições de ativação.
   - FTP : Especifique o uso da transferência por FTP se um evento ocorrer.
8. Quando concluído, clique em [**Aplicar (** Aplicar **)**].

Detecção de movim.

Eventos de detecção de movimento pode ser definido 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.
   - A área opaca próxima à parte inferior não pode ser configurada para a área de detecção de movimento.
7. Especifique a hora da ativação e a condição de ativação.
   - Para obter mais informações sobre <**Horário de ativação**> e <**Ação**>, consulte "**Entrada de alarme**". (página 61)
8. Quando concluído, clique em [**Aplicar (** **Aplicar** **)**].

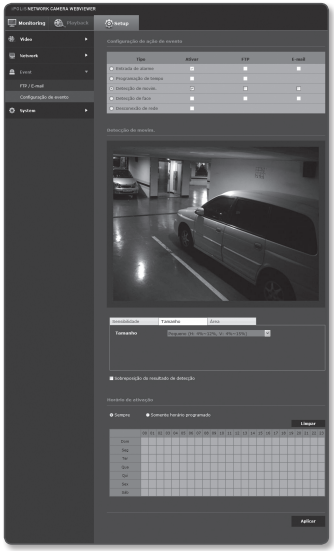


tela de configuração

- 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 casos a seguir, a função de detecção de movimento pode apresentar problemas ou efetuar detecção incorreta.
  - 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.

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.

- 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.

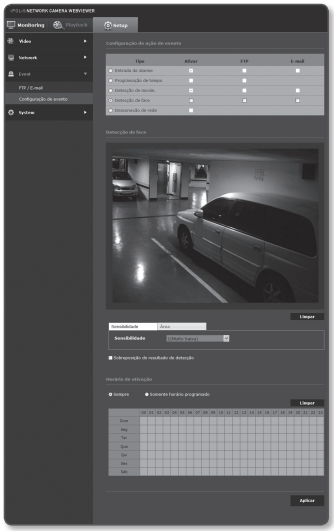
4. Selecione a guia <**Área**>.
   Você pode especificar uma área na tela para incluir ou excluir no quadro de detecção da câmera.
   Você pode especificar até 4 áreas.
   - Áreas de detecção : Define toda a tela como excluída do quadro de detecção, e adiciona áreas específicas de detecção de movimento. Utilize o mouse para arrastar e especificar a área que deseja especificar como área de detecção de movimento.
   - Área de não-detecção : Define toda a tela como área de detecção de movimento, e exclui determinadas áreas do quadro de detecção. Utilize o mouse para arrastar e especificar a área que deseja especificar como área para não detecção de movimento.
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**].

- Todas as áreas definida são excluídas.

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

Detecção de face

Você pode configurar para detectar faces conhecidas e disparar um evento específico.



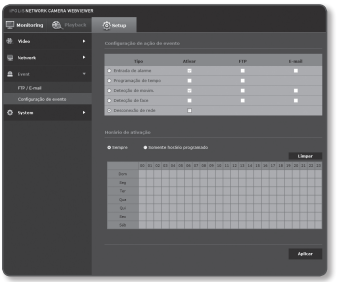
1. No menu de configuração, selecione a guia <**Event (**)>.
2. Clique em <**Configuração de evento**>.
3. Selecione <**Detecção de face**> em <**Configuração de ação de evento**>.
4. Defina se deixará ou não <**Ativar**>.
5. Selecione a guia <**Sensibilidade**> para definir o nível de sensibilidade.
   - À medida que a sensibilidade é aprimorada, a detecção de face se torna mais precisa e detalhada.
6. Selecione a guia <**Área**> e arraste o mouse na tela para definir a área de detecção desejada. Você pode especificar até 4 áreas de detecção.

- Se a face na tela girar mais de +,- 45°, a detecção de movimento pode não reconhecê-la.
- Se a tela estiver no modo de espelhamento, a detecção de movimento não pode funcionar corretamente. Nesses casos, desligue o <**Modo invertido**> ou o <**Modo espelho**> em <**Configuração de vídeo**>.

7. Para excluir uma área definida, clique no botão [**Redefinir**] com a guia Área selecionada.
8. Definir se utilizar <**Sobreposição de resultado de detecção**>. Quando faces são detectadas, suas posições e tamanhos são marcados com retângulos na tela.
9. Especifique a hora da ativação e a condição de ativação.
   - Para obter mais informações sobre <**Horário de ativação**> e <**Ação**>, consulte "**Entrada de alarme**". (página 61)
10. Quando concluído, clique em [**Aplicar (** Aplicar **)**].

Desconexão de rede

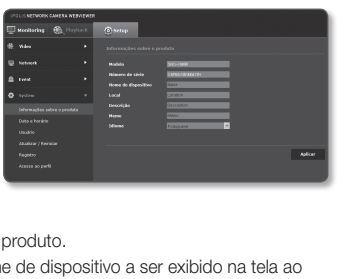
Detecta desconexão de rede antes de disparar um alarme.



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 "**Entrada de alarme**". (página 61)
6. Quando concluído, clique em [**Aplicar (Aplicar)**].

CONFIGURAÇÃO DO SISTEMA

Informações do produto

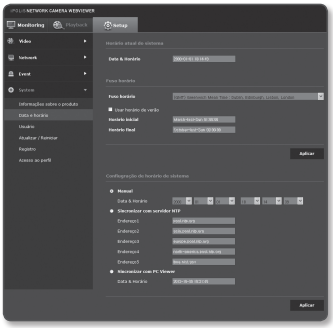


1. No menu de configuração, selecione a guia <**System ( )**>.
2. Clique em <**Informações sobre o produto**>.
3. Verifique as informações da câmera ou forneça detalhes de acordo com o ambiente de rede.
   - Modelo : Nome do modelo do produto.
   - Número de série : Número de série do produto.
   - Nome do dispositivo : forneça um nome de dispositivo a ser exibido na tela ao vivo.
   - Local : Especifique o local onde a câmera está instalada.
   - Descrição : Forneça informações detalhadas sobre o local da câmera.
   - Memo : Forneça uma explicação sobre a câmera para melhor compreensão.
   - Idioma : Selecione um idioma preferido para o OSD do Visualizador da Web.

- O idioma padrão é definido como <**English**>.

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

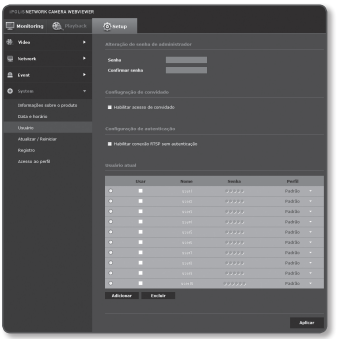
Data e horário



1. No menu de configuração, selecione a guia <**Sistema ( )**>.
2. Clique em <**Data e horário**>.
3. Especifique a hora e a data que serão aplicadas à câmera.
   - 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 (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

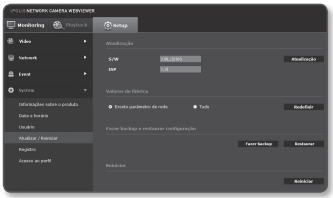


1. No menu de configuração, selecione a guia <**System (** **)**>.
2. Clique em <**Usuário**>.
3. Forneça as informações de usuário necessárias.
   - Alteração de senha de administrador : Altere a senha do administrador.
     - A senha padrão pode ser exposta a uma ameaça de hackers, portanto é recomendado 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 <**Usar**>, 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.

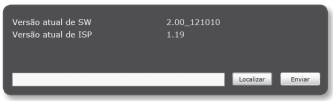
4. Quando concluído, clique em [**Aplicar (** Aplicar **)**].

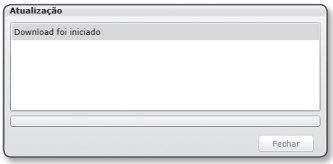
Atualizar / Reiniciar



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 : Redefine todas as configurações, exceto as configurações de rede.
     - Tudo : Redefine todas as configurações incluindo as da câmera. (No entanto, as informações de registro não serão redefinidas.)
       - O sistema de endereço IP terá o padrão DHCP, se você redefinir a câmera. 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



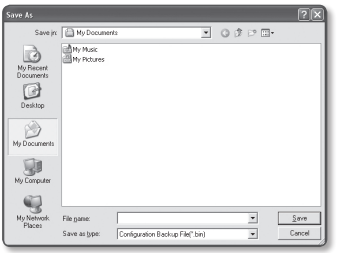


1. Clique em [**Atualização**].
2. Clique em [**Localizar**] e especifique um arquivo a ser atualizado.
3. Clique em [**Enviar**].
4. A caixa de diálogo "**Atualização**" aparece com o andamento na parte inferior.
5. Quando a atualização terminar, o navegador é encerrado e a câmera reinicia.

- 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

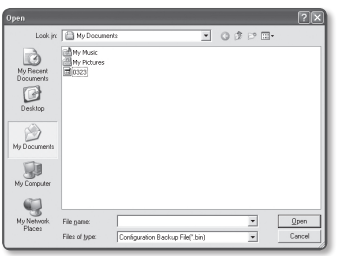
1. Clique em [**Fazer backup**].
   A caixa de diálogo Save As deverá aparecer.
2. Especifique o caminho de backup com um nome de arquivo correto e clique em [**Save**].
   O arquivo de backup será salvo no caminho especificado no formato "**.bin**".



Para restaurar as definições de cópia de segurança

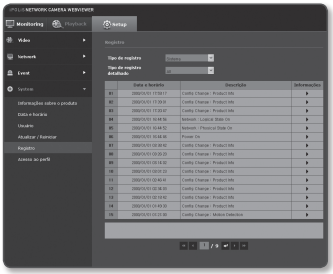
1. Para restaurar as configurações de backup, clique em [**Restaurar**].
2. Selecione um arquivo de backup e clique em [**Open**].

- Se você executar um backup ou restauração, o navegador da Web será fechado e a câmera reinicializará.



Registro

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

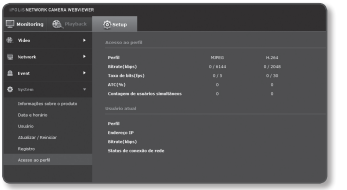


1. No menu de configuração, selecione a guia <**System** ( )>.
2. Clique em <**Registro**>.
3. Selecione um tipo de registro.
   - Sistema : Você pode verificar os registros de sistema em que quaisquer alterações no sistema são gravadas incluindo as informações de horário.
   - Evento : Você pode verificar 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.
     - Endereço IP : Exibe o endereço IP do usuário atual.
     - Bitrate(kbps) : Exibe a taxa de bits atual..
     - Status de conexão de rede : Você pode verificar o status da conexão de rede.

- Para verificar as informações sobre o perfil utilizado no momento, clique em <**Acesso ao perfil**> novamente e atualize-as.

ESPECIFICAÇÕES

Itens		Descrição
Vídeo	Dispositivo de imagem	CMOS PS 1/4 pol
	Total de pixels	680(H) x 512(V)
	Pixels efetivos	640(H) x 480(V)
	Sistema de procura	Progressiva
	Iluminação mín.	0.7 lux (F1.2, modo Cor), 0 lux (LED IV Lig., modo P/B)
	Relação de S/R	50dB
	Saída de vídeo	Conector SMD, para instalacao
Lente	Distância focal (Taxa de zoom)	2,2 a 7,7 mm (3.5X) Vari-focal
	Taxa de abertura máx.	F1.2
	Campo angular de visão	A: 94° (W) ~ 26,5° (T), V: 70° (W) ~ 20° (T)
	Distância mínima do objeto	500 mm
	Controle de foco	-
	Velocidade de movimento do zoom	-
	Tipo de lente	Automática DC
	Tipo de montagem	Tipo de quadro (Ø14)
Panorâmica/ inclinação/ rotação	Faixa de panorâmica	-
	Velocidade de panorâmica	-
	Faixa de inclinação	-
	Velocidade de inclinação	-
	Faixa de rotação	-
	Predefinição	-
	Precisão da predefinição	-
	Rastreamento automático	-

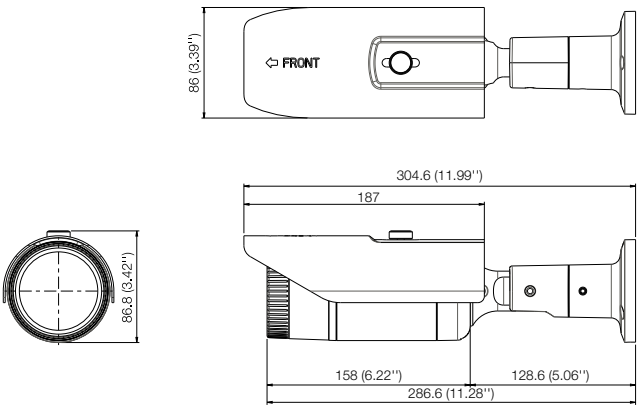
Itens		Descrição
Operacional	LED de IR	15 ea
	Comprimento visualizável	15m
	Título da câmera	Desl. / Lig. (15 caracteres exibidos)
	Dia/Noite	Automático (ICR) / Colorido / Preto-e-branco / Externa P/B
	Compensação de luz de fundo	Desl. / BLC
	Faixa dinâmica ampla	-
	Aprimoramento de contraste	SSDR (Samsung Super Dynamic Range) (Desl. / Lig.)
	Redução de ruído digital	SSNRIII (Filtro de ruído 2D+3D) (Desl. / Lig.)
	Estabilização de imagem digital	-
	Detecção de movimento	Desl. / Lig. (4 zonas programáveis)
	Máscara de privacidade	Desl. / Lig. (32ea, 4 pontos poligonais)
	Sens-para cima (Integração de quadro)	Desl. / Automático (x2~x60)
	Controle de ganho	Desl. / Baixo / Médio / Alto
	Equilíbrio de branco	ATW / AWC / Manual / Interior / Exterior
	Velocidade do obturador eletrônico	ESC / A.FLK / Manual (1/30~1/12000 s)
	Zoom digital	-
	Invertido/Espelho	Desl. / Lig.
	Análise de vídeo inteligente	Detecção faces
	E/S de alarme	Entrada digital 1ea
	Interface de controle remoto	-
	Protocolo RS-485	-
	Acionadores de alarme	Detecção de movimento, Entrada do sensor, Rede desconectada
	Eventos de alarme	• Carregamento de arquivo por FTP, e-mail • Notificação por e-mail, TCP

Itens		Descrição
Rede	Ethernet	RJ-45 (10/100BASE-T)
	Formato de compressão de vídeo	H.264, MJPEG
	Resolução	<H.264> 640x480 / 320x240 / 160x120 <MJPEG> 640x480 / 320x240 / 160x120
	Taxa máxima de quadros	Máx. de 30 fps em todas as resoluções
	Ajuste da qualidade de vídeo	H.264 : Nível de compressão, Controle do nível de taxa de bits alvo MJPEG : Controle do nível de qualidade
	Método de controle de taxa de bits	H.264 : CBR ou VBR MJPEG : VBR
	Capacidade de fluxo	Fluxo múltiplo (até 10 perfis)
	E/S de áudio	-
	Formato de compressão do áudio	-
	Comunicação de áudio	-
	IP	IPv4, IPv6
	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
	Segurança	Autenticação de login HTTPS(SSL) Autenticação de login Digest Filtragem de endereço IP Registro de acesso do usuário Método de autenticação 802.1X
	Método de fluxo	Unicast / Multicast
	Acesso máx. de usuários	10 usuários no modo Unicast

Itens		Descrição
Rede	Slot de memória	-
	Conformidade com ONVIF	Sim
	Idioma da página da Web	Inglês, Francês, Alemão, Espanhol, Italiano, Chinês, Coreano, Russo, Japonês, Sueco, Dinamarquês, Português, Tcheco, Polonês, Turco, Romeno, Sérvio, Holandês, Croata, Húngaro, Grego, Finlândia, Noruega
	Visualizador da Web	SO suportado : Windows XP/VISTA/7, MAC OS Navegador suportado : Internet Explorer 7.0 ou posterior, Firefox, Chrome, Safari
	Software de gerenciamento central	NET-i viewer
Condições ambientais	Temperatura / umidade operacional	-10°C ~ +55°C (+14°F ~ +131°F) / Menos de 90% UR
	Proteção de ingresso	Grau IP66 (À prova d'água)
Elétrica	Tensão / corrente de entrada	12V DC / 353mA, PoE (IEEE802.3af) / 108mA
	Consumo de energia	Máx. 4,2 W
Mecânica	Cor/material	Cinza escuro/Alumínio
	Dimensões (L x A x P)	L 86,0 x A 86,8 x P 304,6 mm
	Peso	1,01 Kg

EXIBIÇÃO DO PRODUTO

Unidade: mm (polegadas)



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Não consigo acessar a câmera de um navegador da Web.	• Verifique se as configurações de rede da câmera são apropriadas. • Verifique se todos os cabos de rede foram conectados corretamente. • Se foi conectada usando DHCP, verifique se a câmera consegue obter os endereços IP dinâmicos sem qualquer problema. • Se a câmera estiver conectada a um roteador, verifique se o encaminhamento da porta está corretamente configurado.
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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 a câmera está conectada.
A <Deteccao de movim.> de <Configuracao de de evento> está definida como <Ativar>, mas nenhum email de notificação chega para mim mesmo quando um evento acontece.	• Verifique as configurações na seguinte seqüência: A. Verifique <Data e horário>. B. A <Detecção de movim.> deve ser configurada para <Ativar>. C. Verifique se a opção de <E-mail> do menu de <Configuração de ação de evento> está marcada como Usar.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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- Version 1.1

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