

CÂMARA DE REDE

Manual do usuário

TNB-9000



Câmara de rede

Manual do usuário

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❖ Design e especificações estão sujeitos a alterações sem aviso prévio.

❖ O ID inicial de administrador é “admin” e a senha deverá ser definida ao fazer o logon pela primeira vez.

Por favor, mude sua senha a cada três meses para proteger suas informações pessoais de forma segura e para evitar os prejuízos causados pelo roubo de informação.

Repare, por favor, que a segurança e quaisquer outros problemas causados pelo mau gerenciamento de senhas é da 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 a área contaminada na superfície do produto com um pano macio e seco ou úmido. (Não use detergentes ou produtos cosméticos que contenham álcool, solventes, tensoativos ou componentes de óleo pois eles podem deformar ou causar danos no produto.)
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 eletricitista 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.
15. Este produto é concebido para ser fornecido por uma Unidade de Fonte de Energia Listada marcada como "Classe 2" ou "LPS" e classificado de 12 Vdc, 2,2 A ou PoE(55 Vdc), 0,55 A.
16. Este produto tem o objetivo de ser fornecido com energia de isolamento.
17. Se você usar força excessiva ao instalar o produto, a câmera pode ficar danificada e avariada. Você pode danificar o produtos ao instalá-lo à força, usando ferramentas incompatíveis.
18. Não instale o produto em um local onde existem ou podem ser geradas substâncias químicas ou névoa de óleo. Como os óleos comestíveis como óleo de soja podem danificar ou deformar o produto, não instale o produto na cozinha ou perto da mesa da cozinha. Isso pode danificar o produto.
19. Ao instalar o produto, tenha cuidado para não permitir que a superfície do produto seja manchada com alguma substância química. Alguns solventes químicos tais como purificadores ou adesivos podem causar danos na superfície do produto.
20. Se você instalar/desmontar o produto de uma forma que não a recomendada, as funções de produção/desempenho não podem ser garantidas. Instale o produto consultando "Instalação e conexão" no manual do usuário.
21. Instalar ou usar o produto na água pode causar danos sérios no produto.



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 equilátero destina-se a alertar o usuário sobre a presença de "tensão perigosa" dentro da caixa do produto, cuja grandeza talvez seja suficiente para constituir risco de choque elétrico nas pessoas.



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

Construção de Classe I

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

Bateria

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

A bateria não pode ser substituída.

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

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

Estas instruções de manutenção devem ser praticadas apenas pela equipe técnica qualificada. Para reduzir o risco de choque elétrico, não execute qualquer outra manutenção que não seja a contida nas instruções de operação, a menos que você seja qualificado para executá-la.

O terminal CVBS de saída do produto é fornecido para instalação mais fácil e não é recomendado para finalidades de monitoramento.

Use a energia de entrada apenas com uma câmera e outros dispositivos não devem estar conectados.

O ITE deve ser conectado apenas para redes PoE sem roteamento para a planta exterior.

Leia as seguintes precauções recomendadas de segurança com atenção.

- Não coloque este aparelho em uma superfície irregular.
- Não o instale em uma superfície onde ficará exposto à luz direta do sol, perto de equipamentos que emitem calor ou áreas extremamente frias.
- Não coloque este aparelho próximo de materiais condutores.
- Não tente reparar pessoalmente este aparelho.
- Não coloque um copo de água sobre o produto.
- Não o instale perto de fontes magnéticas.
- Não bloqueie as aberturas de ventilação.
- Não coloque objetos pesados sobre o produto.
- Por favor, use luvas protetoras ao instalar/remover a câmera.
A alta temperatura da superfície do produto pode causar queimaduras.

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.

Não garantimos a qualidade de produtos de terceiros (ex.: lentes, acessórios) comprados separadamente.

Em ambientes de instalação específicos, pode haver interferência em comunicações de rádio. Quando ocorrer interferência de ondas eletromagnéticas entre o produto e o dispositivo de comunicação de rádio, recomenda-se manter uma certa distância entre os dois ou alterar a direção da antena de recebimento.

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ESPECIFICAÇÕES RECOMENDADAS PARA PC

- CPU : Intel(R) Core(TM) i9-7920X 2,9 GHz ou superior
 - RAM : 64Gb ou superior
 - SO suportado : Windows 8.1, 10, Mac OS X 10.12, 10.13, 10.14
 - Navegador recomendado : Google Chrome
 - Navegadores suportados : MS Explore11, MS Edge, Mozilla Firefox (Apenas Windows 64-bit), Apple Safari (Apenas Mac OS X)
 - VGA : Placa de vídeo GTX 1080, 11 GB ou superior
- ✂ Consulte o anexo para obter informações detalhadas sobre o SO e navegadores verificados.

ESPECIFICAÇÕES DE CARTÃO DE MEMÓRIA MICRO SD/SDHC/SDXC

- Capacidade recomendada: 16GB a 256GB (tipo MLC)
- Fabricantes recomendados: SanDisk, Transcend
- Tipo de produto: Alta resistência
- A compatibilidade varia de acordo com os fabricantes e tipos de cartões.
- Para a gravação de MJPEG SD, recomendamos a resolução de gravação MJPEG de 4K ou menos.
- Sobre as especificações para vários perfis, o TNB-9000 oferece suporte para um total de três perfis. O CH1 oferece suporte para dois perfis e o DPTZ CH2 para um. Dessa forma, se estiver usando todos os três perfis, não é possível adicionalmente definir e usar um perfil de gravação, como um cartão SD. Nesse caso, para continuar usando a função de gravação, configure o perfil de gravação exatamente como um perfil atualmente usado.

ESPECIFICAÇÕES RECOMENDADAS POR NAS

- Capacidade recomendada : É recomendado 200 GB ou superior.
 - Para esta câmera, é recomendado o uso de um NAS com as seguintes especificações do fabricante. Produtos recomendados : QNAP NAS, NAS Synology
-  ■ Ao usar a gravação automática NAS, se você reiniciar sua câmera, a conexão N/W pode ser adiada e o comportamento da gravação automática NAS pode falhar a depender dos atributos dos seus dispositivos N/W externos.

ITENS FORNECIDOS

Verifique se sua câmera e os acessórios estão inclusos no pacote do produto.
(Dado que para cada país de vendas, os acessórios não são os mesmos.)

Aparência	Nome do item	Quantidade	Descrição
	Câmera	1	
	Guia de consulta rápida (Opcional)	1	
	Injetor de HPoE	1	Conexões de fonte de alimentação e rede
	Cabo de alimentação	1	Conexões para HPoE
	Bloco de terminal de 6 posições	1	Utilizado para terminais de entrada/saída de alarme
	Bloco Terminal de Alimentação	1	Conectado no cabo de alimentação

 ■ Módulos SFP e conversores de fibra óptica são vendidos separadamente. Por favor, selecione e compre um SFP de 100/1000 Base-FX e um conversor de fibra óptica.

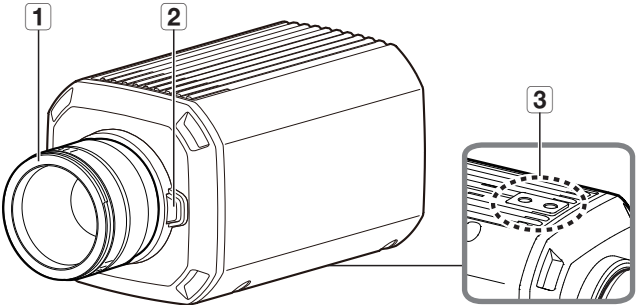
LENTE DE MONTAGEM — OPCIONAL

Aparência	Nome do item	Descrição	Nome do modelo
	lente de montagem	Lentes opcionais a serem inseridas em uma câmera	Canon 24 mm f1.4L, Íris automática (EF 24 mm f/1.4L II USM) Canon 35 mm f1.4L, Íris automática (EF 35 mm f/1.4L II USM) Canon 50 mm f1.4, Íris automática (EF 50 mm f/1.4 USM) Canon 85 mm f1.2L, Íris automática (EF 85 mm f/1.2L II USM) Canon 100 mm f2.0, Íris automática (EF 100 mm f/2 USM) Canon 70–200 mm f2.8L, Íris automática, Vari Focal (EF 70–200 mm f/2.8L USM)

- 
- A imagem do produto é diferente para cada modelo de lente.
 - Ao usar a lente de montagem Canon 70–200 mm f2.8L, Íris automática, Vari Focal (EF 70–200 mm f/2.8L USM), os componentes acessórios do invólucro devem ser usados.

INFORMAÇÕES RESUMIDAS

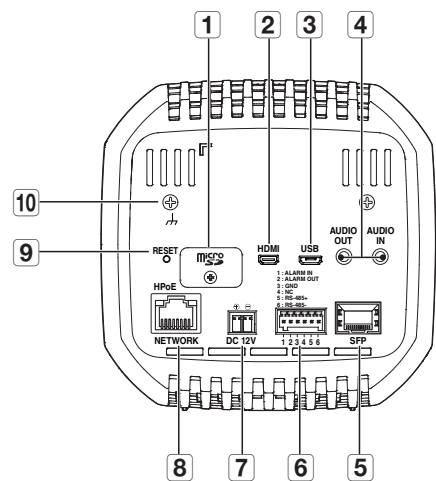
Parte frontal



Item	Descrição
1 Lente de montagem	Esta lente deve ser instalada em uma câmera. É vendida separadamente.
2 Botão de liberação da lente	Usado para soltar uma lente encaixada.
3 Furo de parafuso para instalação	Usado para fixar a câmera em um invólucro. ■ Tamanho do parafuso: É a especificação dos parafusos usados para fixar a câmera ao suporte.
	1/4" - 20 UNC L: 4,5 mm±0,2 mm (Padrão ISO) ou 0,197" (Padrão ASA) 

- 
- Invólucro não incluído. Para mais informações sobre o uso do invólucro, consulte a documentação do produto.

Parte traseira



Item	Descrição	
1	Compartimento para cartões de memória Micro SD	Compartimento para o cartão de memória Micro SD.
2	Porta micro HDMI	Conecte a um monitor com um cabo HDMI para ver a transmissão da câmera.
3	Porta MICRO USB	Porta para conectar o dongle Wi-Fi. Você pode assistir ao vídeo de instalação através dos aplicativos instalados no smartphone. Consulte "Ligação ao dongle Wi-Fi" na página 11. ■ O dongle Wi-Fi e o adaptador OTG são vendidos separadamente.
4	Terminal de áudio	AUDIO OUT Usado para conectar-se aos alto-falantes.
		AUDIO IN Usado para conectar-se a um microfone.
5	Slot do módulo SFP	O terminal que faz a conexão de fibra óptica através do módulo SFP (tipo LC). (100/1000Base-FX)
6	Porta de E/S de alarme	ALARM IN Usado para conectar o sensor de entrada do alarme ou o sensor externo de dia/noite.
		ALARM OUT Usada para conectar o sinal de saída de alarme.
		GND Usado para o fio-terra.
		RS-485+ Linha de dados RS-485
		RS-485- Linha de dados RS-485

Item	Descrição
7	Porta de alimentação Usada para conectar o cabo de alimentação.
8	Porta de conexão HPoE Este terminal conecta energia e rede via injetor HPoE ou se conecta à rede via cabo ethernet.
9	Botão Reset O botão restaura todas as configurações da câmera com os valores padrão de fábrica. 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 servidor DHCP na rede, você deve executar o programa Device Manager para alterar as configurações básicas da rede, como o endereço IP, a máscara de sub-rede, o gateway etc., antes que possa se conectar à rede.
10	Porta de aterramento de proteção contra raios Usada para absorver a corrente de descarga atmosférica de forma segura, protegendo a câmera.

! ■ A porta RS-485 suporta conexão direta com driver de expansão/inclinação e as condições externas do controlador RS-485 não são suportadas.

MONTANDO A LENTE

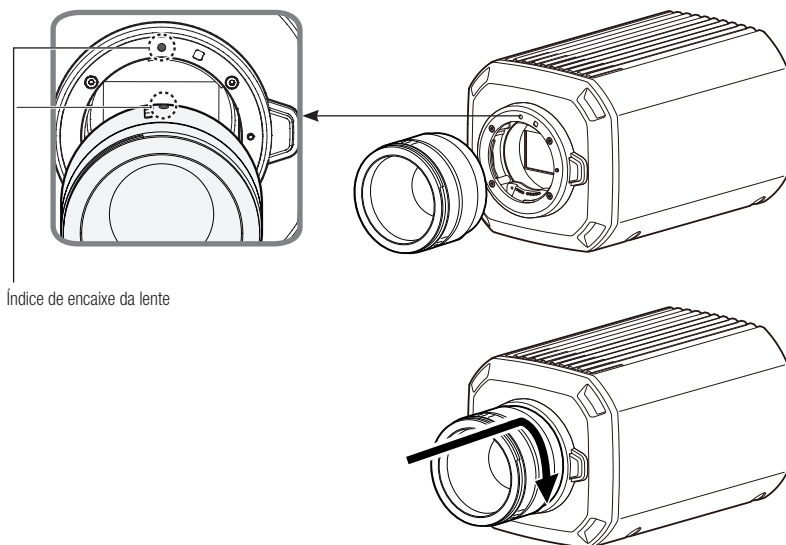
Desconecte a energia antes de continuar.



- Lentes de montagem vendidas separadamente. Para uma lista de lentes compatíveis, consulte a página 7.
- A câmera deve estar desligada ao instalar/remover uma lente compatível.

Montar a lente na câmera

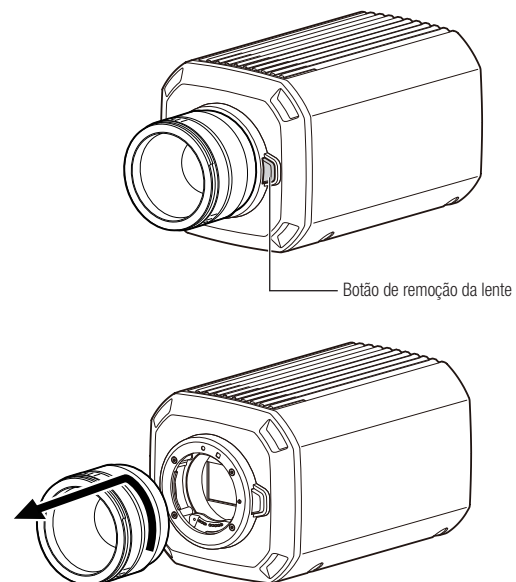
Após alinhar e inserir o índice de encaixe da lente, gire-o no sentido horário para encaixá-lo.



- A cor do índice de encaixe da lente varia de acordo com o modelo da lente de montagem.
- Para mais informações sobre a lente encaixável, consulte o respectivo manual do usuário.

Liberação da lente

Pressione e segure o botão de liberação da lente na câmera e gire a lente no sentido horário, para soltá-la da câmera.

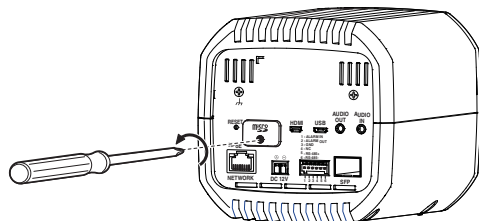


INSERINDO/REMOVENDO UM CARTÃO DE MEMÓRIA MICRO SD

- ❗ ■ Desconecte o cabo de alimentação da câmera antes de inserir o cartão de memória Micro SD.
- Não insira o cartão de memória Micro SD enquanto estiver virado para baixo com força. Caso contrário, isso pode danificar o cartão de memória Micro SD.

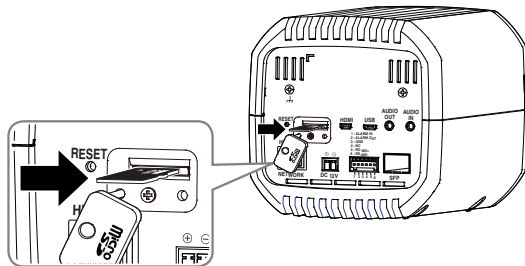
Retirar a tampa do compartimento de memória

Com uma chave de fenda, retire os parafusos que prendem a tampa anti-poeira ao compartimento de memória e, então, retire a tampa, para inserir o cartão de memória.



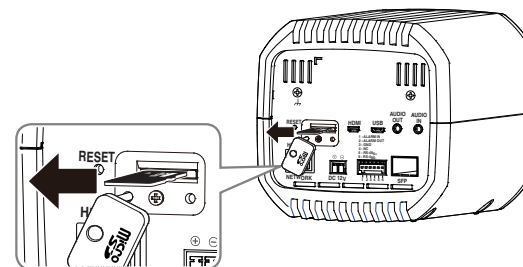
Inserindo um cartão de memória Micro SD

Empurre o cartão de memória Micro SD na direção da seta como mostrado no diagrama.



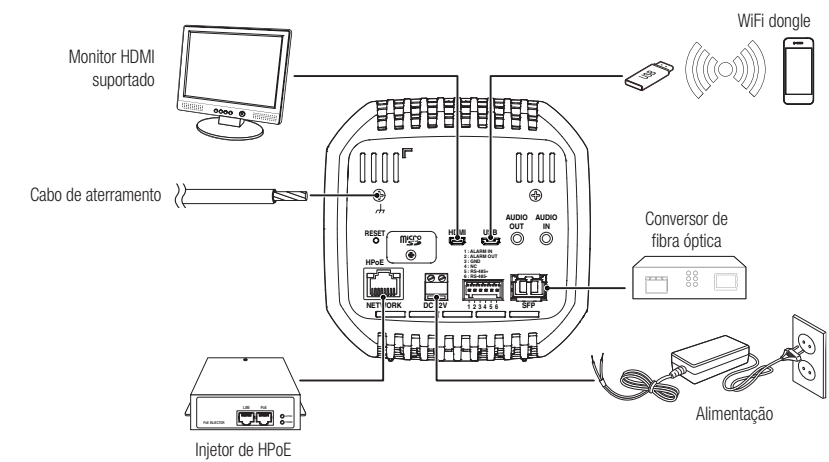
Removendo um cartão de memória Micro SD

Pressione com cuidado a extremidade exposta do cartão de memória, conforme mostrado na figura, para ejetá-lo do slot.



- ❗ ■ Pressionar o micro cartão de memória SD com muita força e soltar de repente pode fazer com que ele seja lançado para fora do slot de maneira incontrolável.
- Antes de remover o cartão de memória micro SD, em <Configurar (⚙️)>><Evento>><Armazenamento>, coloque o dispositivo em <Desl.>, pressione o botão [Aplicar] e desligue a câmera.
- Se desligar a câmera ou remover o micro cartão de memória SD que contém dados do produto, os dados podem se perder ou se danificar.

CONECTANDO A OUTRO DISPOSITIVO



- Conecte e use o roteador habilitado para HPoE.
- O terminal Micro USB de saída do produto é fornecido para instalação mais fácil e não é recomendado para finalidades de monitoramento.

Ligando a Wi-Fi

Configuração da Câmera

1. Ligue o adaptador OTG (5-pinos) e o dongle Wi-Fi ao terminal Micro USB.

Configuração de Smartphone

1. Instale o aplicativo Instalação Wisenet.
2. Selecione o SSID da câmera após ligar o Wi-Fi.
3. Execute o aplicativo Instalação Wisenet.
4. Quando você acessa à câmera, o vídeo será ligado.
 - O vídeo será reproduzido sem estar logado durante a ligação inicial.
5. Você pode ajustar o ângulo de visualização vendo o vídeo através de seu smartphone.

Fabricante de dongle recomendado

Fabricante	Modelo
NETIS	WF2123 n300
EDIMAX	EW-7811Un
IP Time	N100mini
TP-LINK	TL-WN823N V1
ASUS	USB-N13
NETGEAR	WNA3100M

Conectando o módulo SFP

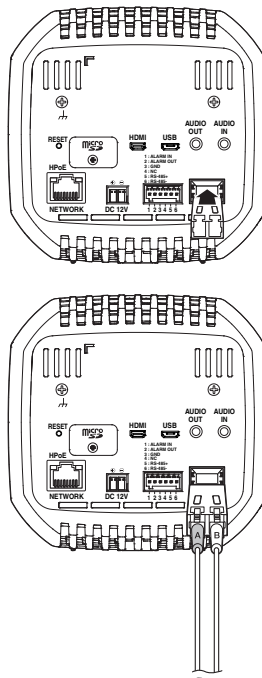
1. Insira o módulo SFP.

2. Conecte o cabo óptico (AB) do tipo LC ao módulo SFP.

3. Conecte a outra ponta ao cabo óptico (BA) ao conversor de fibra óptica que está emparelhado com o módulo SFP.

- Módulos SFP e conversores de fibra óptica são vendidos separadamente.
- Recomendamos módulos SFP dos seguintes fabricantes :
 - Comnet, IFS, Skylane, AVAGO, CISCO
- Conecte o módulo SFP e o conversor de fibra óptica conectando o cabo óptico (AB/BA) transversalmente.

- ! ■ A conexão do módulo SFP deve ser feita depois que a câmera conectada esteja desligada.
- Não instale ou remova o módulo SFP enquanto a câmera estiver ligada.
- Uma dobra no cabo óptico pode interromper a conexão de comunicação.
- Não olhe diretamente para o cabo óptico. Isso pode danificar seus olhos.



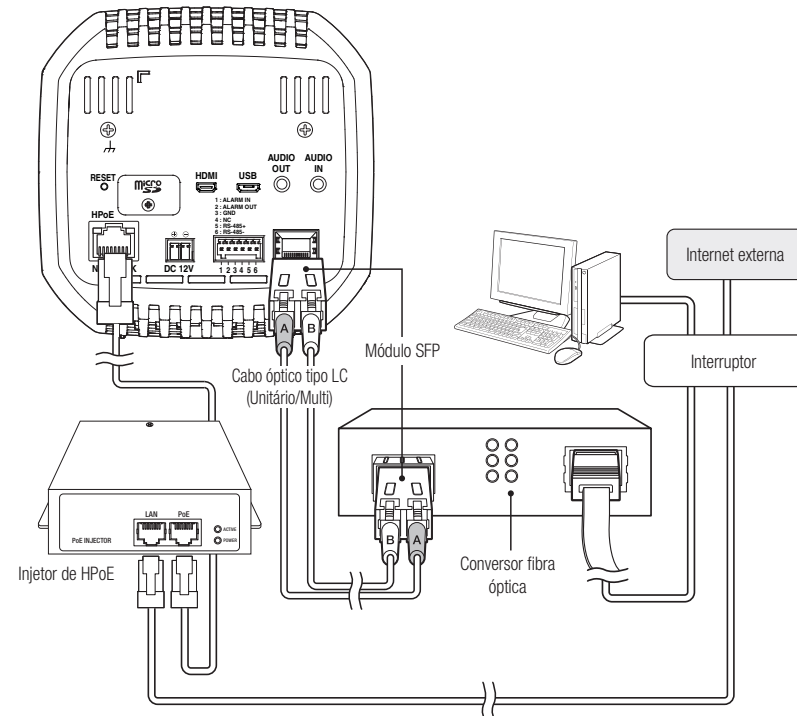
Conexão Ethernet

Conecte-se à sua rede local ou internet conectando seu cabo ethernet ou link óptico SFP.

O link ethernet neste produto suporta link redundante entre RJ-45 e SFP, e o SFP tem prioridade.

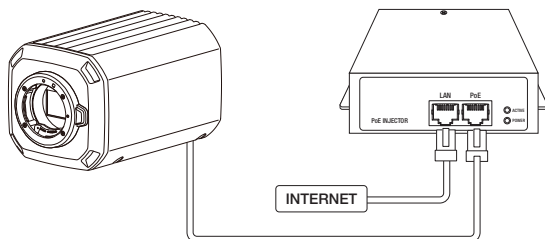
Exemplo de comportamento :

- Se a porta SFP for ligada durante o uso do RJ-45, o SFP é ativado para o link ethernet enquanto o RJ-45 estiver desativado.
- Se o link SFP for desligado repentinamente durante o uso do SFP, o link RJ-45 será ativado automaticamente.



Energia e rede

Conecte o dispositivo HPoE ao terminal HPoE da câmera.



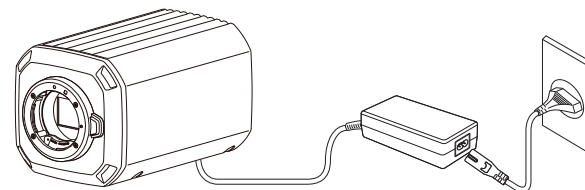
- ❗ ■ Conecte e use o roteador habilitado para HPoE.
- Use um dispositivo HPoE que siga a norma IEEE802.3bt (PSE TIPO 3 ou 4).
- Se você se conectar usando um roteador habilitado para HPoE, não precisará de um cabo de alimentação separado para ligá-lo.

Especificação do Cabo de Rede

Item	Conteúdos	Comentário
Conector	RJ45 (10/100/1000BASE-T)	
Ethernet	10/100/1000BASE-T	Para operar com o 1000BASE-T, um cabo de SSTP-Categoria 7 ou maior deve ser usado para o hub Giga.
Cabo	SSTP-Categoria 7	
Distância Máxima	100M	Resistência DC $\leq 0.188 \Omega/\text{m}$
HPoE	HPoE	

Fonte de alimentação

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



- ❗ ■ Se as fontes de alimentação para PoE e 12VCC estiverem ligadas simultaneamente, a alimentação do dispositivo será fornecida por PoE e 12VCC.
- É recomendado usar uma única fonte para ligar o equipamento para PoE, 12VCC.
- Recomenda-se adaptador com DC 12V 3A ou superior.
- Recomendamos a utilização de injetores HPoE para alimentar a unidade.
- Tenha cuidado para não inverter a polaridade quando conectar o cabo de alimentação.
- Se você quiser conectar um dispositivo externo, precisará desativar o dispositivo externo antes de continuar.
- O produto deve ser conectado usando um cabo de rede blindado (STP) corretamente aterrado.

Especificação do Cabo de Alimentação para Cada Modelo

Entrada CC 12V :

Tipo de fio (AWG)	#14	#16
Comprimento do cabo (Máx.)	24m	15m

Padrão ethernet de comunicação óptica

Item	Conteúdos
Ethernet: Comunicação óptica	SFP (Tipo LC)
Comunicação óptica: Camada física ethernet	10/100/1000 BASE-T
Comunicação óptica: velocidade padrão	100/1000 Mbps
Comunicação óptica: Padrão ethernet	IEEE 802.3ab, IEEE 802.3z

Aterramento do produto

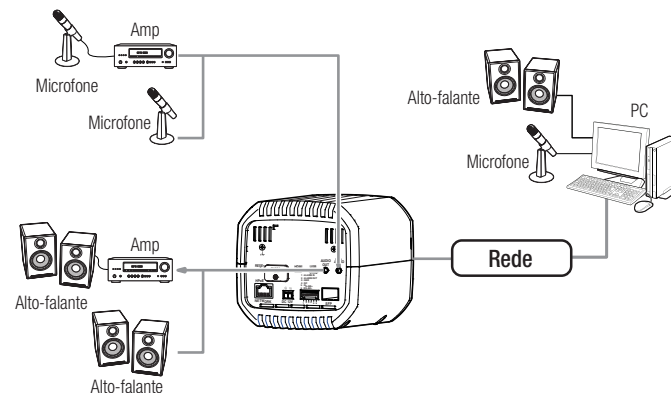
Conecte o cabo de aterramento ao terminal de aterramento (localizado acima do terminal de entrada de energia) usando uma chave de fenda.

- ! O aterramento protege o produto contra surto elétrico ou raios.
- Ao realizar o aterramento, não se esqueça de desligar o produto.

Cabo de aterramento recomendado

- Comprimento: Menos de 3 metros
- Bitola: 18 AWG ou mais
Ex.) UL1007 AWG 18/16, UL1015 AWG18/16/14/12, UL2468 AWG18/16/14

Conectando à entrada/saída de áudio



1. Conecte a porta AUDIO IN da câmera no microfone ou a porta LINE OUT do amplificador ao qual o microfone está conectado.
2. Conecte a porta AUDIO OUT da câmera nos alto-falantes ou a porta LINE IN do amplificador ao qual os alto-falantes estão conectados.
3. Verifique as especificações para a entrada de áudio.

• Codec de áudio

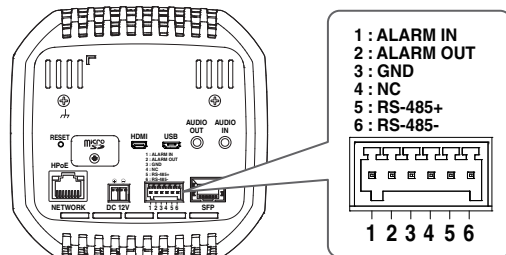
- Entrada de Áudio : G.711 PCM (Taxa de Bits: 64kbps / Frequência de Amostragem: 8kHz), G.726 ADPCM (Taxa de Bits: 16Kbps, 24Kbps, 32Kbps, 40Kbps / Frequência de Amostragem: 8kHz), AAC (Taxa de Bits: 48Kbps / Frequência de Amostragem: 16kHz)
- Saída de Áudio : G.711 PCM (Taxa de Bits: 64kbps / Frequência de Amostragem: 8kHz)

• Áudio full duplex

- **Entrada de áudio** : Entrada de linha de sinal mono (Máx.2.4 Vpp)
- **Saída de áudio** : Saída de linha de sinal mono (Máx.2.4 Vpp)
- **Impedância de saída de linha** : 600Ω

Conectando à caixa da porta de E/S

Conecte o sinal de E/S do alarme à porta correspondente da caixa da porta traseira.



- ALARM IN : Usado para conectar o sensor de entrada do alarme ou o sensor externo de dia/noite.
- ALARM OUT : Usada para conectar o sinal de saída de alarme.
- GND : Usado para o fio-terra.
- RS-485+ : Porta de comunicação para receptor RS-485 (+).
- RS-485- : Porta de comunicação para receptor RS-485 (-).

Conexão com um dispositivo RS-485 externo

Conecte a câmera a um dispositivo externo usando as portas [RS-485 +, -].

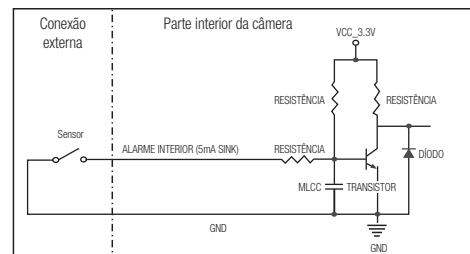
Você pode controlar as operações de panorâmica/inclinação da câmera através das comunicações RS-485.

- A conexão GND é recomendada para comunicação RS-485. Se você encontrar uma falha de comunicação, conecte o pino GND conforme apropriado para corrigir o nível de GND entre a câmera e o dispositivo externo.

Para conectar o sensor externo

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

Diagrama Elétrico de Alarme Ligado

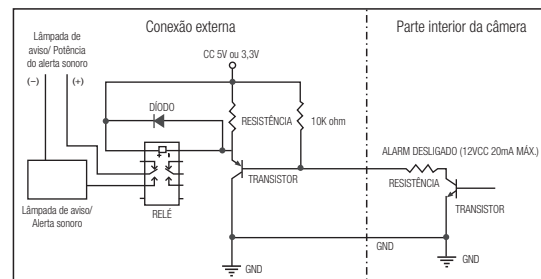


Para conectar o alarme no exterior

Se existirem dispositivos (por exemplo, luz intermitente e sirene) que excedem a tensão e as especificações de corrente conectados usando o método de coletor aberto, pode provocar uma avaria.

Consulte o diagrama de conexão do alarme abaixo quando conectar dispositivos que excedem as especificações de tensão e corrente.

Diagrama Elétrico de Alarme Desligado

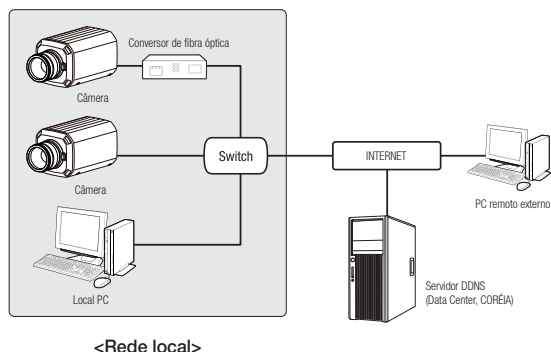


É possível ajustar as definições da rede de acordo com suas configurações de rede.

CONECTANDO A CÂMERA DIRETAMENTE À REDE LOCAL

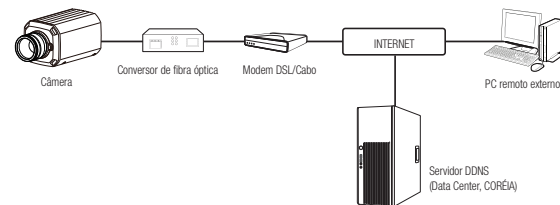
Conectando a câmera a partir de um PC local na LAN

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



- 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 Device Manager. Para mais detalhes sobre o uso do Device Manager, consulte "Usar o Device Manager". (Página 17)

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



1. Conecte o PC do usuário diretamente à câmera de rede.
2. Execute o Device Manager e altere o endereço IP da câmera, para que você possa usar o navegador de rede em sua área de trabalho para se conectar à internet.
3. Use o navegador da Internet para conectar-se ao visualizador da web.
4. Vá para a página [Configurar].
5. Vá para [Rede] – [DDNS] e defina as configurações do DDNS.
6. Mova-se para [Basic] – [IP & Porta] e defina o tipo de IP como [DHCP].
7. Conecte a câmera, que foi removida do PC, diretamente para o modem.
8. Reinicie a câmera.

- Para informação sobre como definir o DDNS, consulte a ajuda online do Visualizador Web.
- Para informação sobre como definir o formato de IP, consulte a ajuda online do Visualizador Web.

USAR O DEVICE MANAGER

- O programa Device Manager pode ser baixado no menu <Support> – <Online Tool> do site da Hanwha Vision (<https://www.HanwhaVision.com>).
- Mais informações sobre o Device Manager podem ser encontradas no menu <Ajuda> da página inicial.

PESQUISAR A CÂMERA AUTOMATICAMENTE

Se uma câmera estiver conectada à mesma rede do computador em que o Device Manager estiver instalado, você pode encontrar a câmera da rede usando a função de pesquisa.

1. Clique em <Search (Pesquisar)>, na página inicial do Device Manager.
2. Encontre a câmera na lista.
 - Marque o endereço MAC no adesivo junto à câmera.

CONFIGURAR O ENDEREÇO IP

Se você quiser alterar as configurações de rede da câmera, o aviso <Login OK> deve ser exibido em <Status>. Clique em <Authentication (Autenticação)>, na página inicial, para fazer o login.

Configurar o IP estático

Insira e configure manualmente o endereço IP e as informações da porta.

1. Na lista, clique na câmera para a qual você deseja alterar a configuração de IP.
2. Clique em <IP Assign (Atribuição de IP)>, na página inicial do Device Manager.
3. Selecione <Assign the following IP address (Atribuir o seguinte endereço IP)>.
 - As informações do IP da câmera serão exibidas conforme definido anteriormente.
4. Preencha as categorias relativas a IP e porta.

Se não estiver usando um Roteador de banda larga

Peça o valor definido pelo gerenciador de rede para <IP Address (endereço IP)>, <Subnet Mask (máscara de sub-rede)> e <gateway>.

- HTTP Port : Usada para acessar a câmera usando o navegador da Internet, definida, por padrão, como 80.
- RTSP Port : Uma porta que controla o streaming em tempo real. O valor inicial é 554.

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 19)

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	192.168.1.100	192.168.1.101
	Subnet Mask	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
Configurações relacionadas à porta	HTTP Port	8080	8081
	RTSP Port	554	555

- 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>

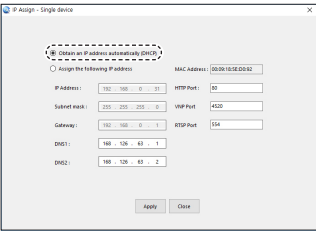
5. Clique no botão [Aplicar].
6. Se aparecer a mensagem de êxito, clique em [OK].

Configurar o IP dinâmico

Obtenha o endereço IP no DHCP

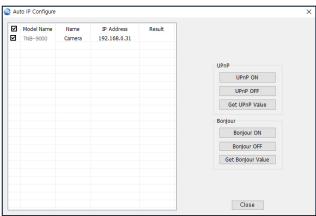
- Exemplo do ambiente de IP dinâmico
 - Se um Roteador de banda larga, com câmeras conectadas, estiver designado a um endereço IP pelo Servidor DHCP
 - Se estiver conectando a câmera diretamente ao modem usando os protocolos DHCP
 - Se os IPs estiverem designados ao servidor DHCP interno através da LAN

- Na lista, clique na câmera para a qual você deseja alterar a configuração de IP.
- Clique em <IP Assign (Atribuição de IP)>, na página inicial do Device Manager.
- Selecione <Obtain an IP address automatically (DHCP) (Obter um endereço IP automaticamente (DHCP))>.
- Clique no botão [Apply (Aplicar)].
- Se aparecer a mensagem de êxito, clique em [OK].



CONFIGURAR IP AUTOMATICAMENTE

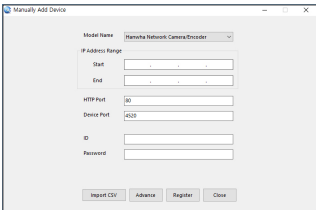
- Na lista, clique na câmera para a qual você deseja configurar automaticamente o IP.
- Clique em < + >, na página inicial do Device Manager.
 - O menu Configuração do equipamento é exibido.
- No menu, clique em <Auto IP Configure (Configurar IP automático)>.
- Clique no botão [Close (Fechar)].



REGISTRAR A CÂMERA MANUALMENTE

Se a câmera não for encontrada por meio da função de pesquisa, ela pode ser registrada remotamente, por meio do preenchimento manual das informações de IP, caso a câmera esteja conectada a uma rede externa.

- Clique em <Add Devices (Adicionar dispositivos)> – <Manually Add Device (Adicionar dispositivos manualmente)>, na página inicial do Device Manager.
- Defina o intervalo do endereço IP pesquisado.
- Selecione o <Model Name (nome do modelo)> da câmera que deseja registrar, e preencha as informações de porta HTTP, ID e senha.
- Clique no botão [Register (Registrar)].
- Confirme se a câmera está registrada.
 - Marque o endereço MAC no adesivo junto à câmera.

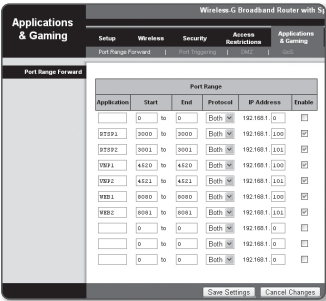


CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

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.
O número de cada porta a ser configurada ao router de IP deve ser definida de acordo com o número de porta designado em <Configurar> - <Basic> - <IP & Porta> no visualizador da web da câmera.
- 3. Quando concluído, clique em [Save Settings].
Suas configurações serão salvas.

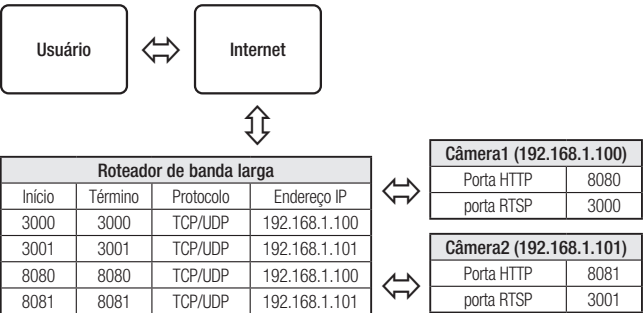


- A configuração de encaminhamento de porta é um exemplo de configuração do roteador de IP CISCO.
- As configurações podem ser diferentes dependendo do modelo do Roteador de banda larga conectado.
Para obter mais informações, consulte o manual do usuário do roteador aplicável.

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

- Você pode definir uma regra de encaminhamento de porta no Roteador de banda larga por meio da página de configuração do mesmo na Web.
- Um usuário pode alterar cada porta usando a tela de configuração da câmera.

Quando a Câmera1 e Câmera2 estiverem conectadas a um roteador :



- O encaminhamento de porta pode ser feito sem configuração adicional do roteador caso o roteador ofereça suporte à função UPnP (Universal Plug and Play).
Após ligar a rede da câmera, selecione a caixa de seleção do menu <Conexão rápida> em <DDNS> em "Configurações -> Rede -> DDNS".

CONECTANDO À CÂMERA A PARTIR DE UM PC LOCAL COMPARTILHADO

1. Execute o Device Manager.
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

Em um computador remoto fora do cluster de rede do roteador de banda larga, os usuários podem acessar câmeras com a rede do roteador de banda larga, por meio da URL de DDNS dinâmico 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://ddns.hanwha-security.com/ID>

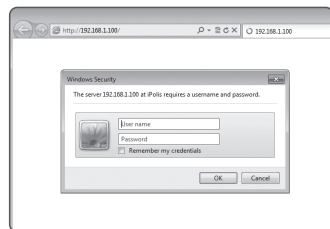


- Para usar o DDNS, cadastre-se na página do DDNS (<http://ddns.hanwha-security.com>) e registre o produto em **[Meu DDNS dinâmico]** > **[Registrar produto]**.

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://\[2001:230:abcd:ffff:0000:0000:ffff:1111\]](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://ddns.hanwha-security.com/ID>
- A caixa de diálogo Login deverá aparecer.



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

Conectar via UPnP

1. Execute o cliente ou sistema operativo no suporte do protocolo UPnP.
2. Clique no nome da câmera para pesquisa.
No sistema operativo Windows, clique no nome da câmera pesquisado a partir do menu de rede.
- É exibida a janela de login.

Conectar via Bonjour

1. Execute o cliente ou sistema operativo no suporte do protocolo Bonjour.
2. Clique no nome da câmera para pesquisa.
No sistema operativo Mac, clique no nome da câmera pesquisado a partir da aba Bonjour de Safari.
- É exibida a janela de login.

Para verificar o endereço DDNS

Se a câmera estiver conectada diretamente ao modem a cabo DHCP, modem DSL, 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.

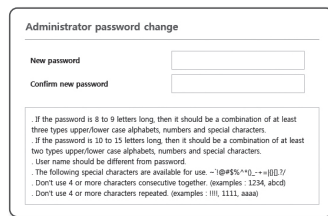
Uma vez que você registrar um dispositivo baseado em IP dinâmico com o servidor DDNS, poderá facilmente verificar o IP alterado quando tentar acessar o dispositivo.

Para registrar o seu dispositivo no servidor <DDNS>, visite <http://ddns.hanwha-security.com> e registre o dispositivo primeiro; em seguida, configure <Rede> - <DDNS> do Visualizador da Web para <DDNS> e forneça o <ID do produto> usado no registro do DDNS.

CONFIGURAÇÃO DE SENHA

Quando você acessar o produto pela primeira vez, você deve registrar o logon e senha.

- Para uma nova senha com 8 a 9 dígitos, você deve usar pelo menos 3 dos seguintes: letras maiúsculas/minúsculas, números e caracteres especiais. Para uma senha com 10 a 15 dígitos, você deve usar pelo menos 2 tipos dos mencionados.
 - Caracteres especiais são permitidos: ~!@#\$%^&*()_+=|{}[]?/
- Para maior segurança, não recomendamos repetir nas suas senhas os mesmos caracteres ou entradas consecutivas no teclado.
- Se perdeu a sua senha, pode pressionar o botão **[RESET]** para reinicializar o produto. Por isso, não perca sua senha, usando o um bloco notas ou memorizando-a.



Administrator password change

New password

Confirm new password

. If the password is 8 to 9 letters long, then it should be a combination of at least three types: upper/lower case alphabets, numbers and special characters.
. If the password is 10 to 15 letters long, then it should be a combination of at least two types: upper/lower case alphabets, numbers and special characters.
. User name should be different from password.
. The following special characters are available for use: ~!@#\$%^&*()_+=|{}[]?/
. Don't use 4 or more characters consecutive together. (examples: 1234, abcd)
. Don't use 4 or more characters repeated. (examples: 1111, aaaa)

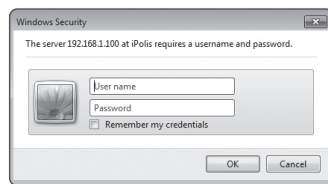
LOGIN

Sempre que você acessar a câmera, a janela de login 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 a senha no campo de entrada **<Password>**.
3. Clique em **[OK]**.
Se você efetuou login com sucesso, verá a tela do Visualizador ao vivo.

- Quando você acessa o visualizador da câmera web, preste atenção especial à segurança, verificando se os dados de imagem estão criptografados.

- Ao marcar a opção **"Remember my credentials"** 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.



Windows Security

The server 192.168.1.100 at iPolis requires a username and password.

User name

Password

☐ Remember my credentials

OK Cancel

CONFIGURAÇÃO DA VISUALIZAÇÃO ON-LINE DA CÂMERA

1. Clique no ícone **[Configuração (⚙)]**.
2. A janela de Configurações é exibida.
3. Você pode configurar as definições das informações básicas, vídeo, áudio, rede, evento, análise e sistema da câmera através da rede.
4. Clique em **<Ajuda (?)>** para visualizar as descrições detalhadas de cada função.

- Devido a problemas de desempenho do computador, um vídeo em alta resolução (acima de 4K) será alterado para um perfil grátis de plug-in no visualizador Web.
Para o melhor monitoramento em tempo real, use um serviço de monitoramento de alto desempenho, como SSM.

SOLUÇÃO DE PROBLEMAS

PROBLEMA	SOLUÇÃO
Quando um usuário do Windows 10 acessa o visualizador web através do Chrome ou Firefox, o volume do som do microfone se altera periodicamente.	Isso é o que acontece quando o driver do microfone é configurado para o driver Realtek. Instale o dispositivo Áudio de Alta Definição (Driver Padrão do Windows) ou o driver de terceiros como o driver do microfone.
Não é exibido nenhum vídeo ao acessar o visualizador web com plug-in gratuito no navegador Safari via HTTPS.	- Na janela pop-up de autenticação exibida quando acessa inicialmente a https, clique em "Ver Certificado de Autenticação" e selecione a caixa de seleção "Confiar sempre ao ligar ao IP do visualizador da web escolhido". - Se o visualizador web continuar falhando ao exibir um vídeo depois de você selecionar "Seguinte" na janela de mensagem em baixo, pressione a tecla Command + Q para sair do navegador Safari, acesse de novo e siga os procedimentos referidos acima.
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 de banda larga, verifique se o encaminhamento da porta está corretamente configurado.
O visualizador foi desconectado durante o monitoramento.	- Os visualizadores conectados são desconectados após qualquer alteração na câmera ou nas configurações de rede. - Verifique todas as conexões da rede.
A câmera conectada à rede não é detectada no programa Device Manager.	Desative as configurações de firewall em seu PC e pesquise a câmera novamente.
Sobreposição de imagens.	Verifique se duas ou mais câmeras estão configuradas para um único endereço de multicast em vez de diferentes endereços. Se um único endereço for usado para várias câmeras, as imagens poderão ficar sobrepostas.
Nenhuma imagem é exibida.	Se o método de transmissão estiver configurado para multicast, verifique se há um roteador que ofereça suporte para multicast na rede local à qual a câmera está conectada.
A voz não é gravada mesmo que as configurações de entrada de áudio estejam definidas.	Você deve ativar a caixa de seleção <Entrada áudio> em <Basic> - <Perfil de vídeo>.

PROBLEMA	SOLUÇÃO
O <Detecção de movim.> do <Análises> é definido como <Ativar>, mas não me chega nenhuma notificação por e-mail, mesmo quando ocorreu um evento de análise.	- Verifique as configurações na seguinte sequência: 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 evento> está marcada como Usar.
Nenhum sinal é encontrado na porta de saída de alarme mesmo quando um evento de análise inteligente de vídeo é gerado.	Verifique as configurações da porta de saída de alarme.
Não é possível gravar no cartão de memória Micro SD.	Verifique se o cartão de memória está defeituoso.
O cartão de memória Micro SD está inserido, mas a câmera não está funcionando corretamente.	- Verifique se o cartão de memória está inserido na direção correta. A operação do cartão de memória formatado por outros dispositivos não é garantida com esta câmera. - Formate o cartão de memória novamente pelo menu <Configurar> → <Evento> → <Armazenamento>.
Uma ID registrada com o NAS.	Confirma se as informações registradas em NAS estão corretas.
Faz o relatório da falha de configuração de NAS.	- Confirme que o endereço IP de NAS é válido. - Confirme que o ID/senha do NAS é válido. - Confirme que pode acessar à pasta designada como pasta básica usando a ID do dispositivo NAS. - Confirme que os itens SMB/CIFS ide NAS não estão marcados. - Confirme que o endereço IP de NAS e o endereço IP da câmera estão no mesmo formato. Exemplo) o valor inicial de NAS e da máscara de subrede da câmera é 255.255.255.0. Se o endereço IP for 192.168.20.32 então o endereço IP de NAS deve estar no intervalo entre 192.168.20.1~192.168.20.255. - Verifique se tentou acessar como outros usuário sem formatar a pasta básica salva ou usada. - Confirme que usou o equipamento NAS recomendado.

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Busybox	GPL 2.0	http://www.busybox.net/downloads/snapshots
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtdd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdd-utils
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
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Component Name	License	URL
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neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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Jean-loup Gailly Mark Adler

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

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Este equipamento foi testado e constatado como atendendo os limites para um dispositivo digital Classe A, de acordo com a seção 15 das Regras FCC. Estes limites se destinam a fornecer uma proteção razoável contra interferência prejudicial quando o equipamento for operado em uma ambiente comercial. Este equipamento gera, utiliza e pode irradiar energia de radiofrequência e, se não instalado e utilizado de acordo com o manual de instruções poderá causar interferência prejudicial às comunicações de rádio. A operação deste equipamento em uma área residencial irá provavelmente causar interferência prejudicial e neste caso o usuário será solicitado a corrigir a interferência às suas próprias expensas.



A Hanwha Vision respeita e preserva o meio ambiente em todos os estágios de produção e toma várias medidas para oferecer aos clientes aparelhos mais ecológicos.

A marca Eco representa a determinação da Hanwha Vision em criar aparelhos ecológicos e indica que o aparelho satisfaz a diretiz RoHS da União Europeia.



Eliminação correta deste produto (Lixo de equipamentos elétricos e eletrônicos)

(Aplicável na União Europeia e em outros países europeus com sistemas de coleta seletiva.)

A presença desta marca no produto ou na respectiva literatura indica que ele não deve ser eliminado com outros resíduos domésticos no fim da sua vida útil. Para evitar possíveis danos ao ambiente ou à saúde causados pela eliminação não controlada de lixo, separe-o de outros tipos de lixo e recicle-o de forma adequada para promover a reutilização sustentável de recursos materiais.

Os usuários domésticos devem entrar em contato com o comerciante do qual adquiriram este produto, ou com o órgão governamental local, para obter detalhes e explicações sobre como garantir que este produto seja reciclado de modo seguro.

Os usuários comerciais devem entrar em contato com os respectivos fornecedores e verificar os termos e condições do contrato de compra. O produto não pode ser misturado a outros lixos comerciais para eliminação.



Eliminação correcta das baterias existentes neste produto

(Aplicável na União Europeia e noutros países europeus com sistemas de recolha de baterias separados.)

Esta marca, apresentada na bateria, manual ou embalagem, indica que as baterias existentes neste produto não devem ser eliminadas juntamente com os resíduos domésticos indiferenciados no final do seu período de vida útil. Onde existentes, os símbolos químicos Hg, Cd ou Pb indicam que a bateria contém mercúrio, cádmio ou chumbo acima dos níveis de referência indicados na Directiva CE 2006/66. Se as baterias não forem correctamente eliminadas, estas substâncias poderão ser prejudiciais para a saúde humana ou para o meio ambiente. Para proteger os recursos naturais e promover a reutilização dos materiais, separe as baterias dos outros tipos de resíduos e recicle-as através do sistema gratuito de recolha local de baterias.

