

WISeNeT

CÂMARA DE REDE

Manual do usuário

PNM-9320VQP

SLA-2M2400P/2M2800P/2M3600P/2M6000P/
2M1200P/5M3700P/5M4600P/5M7000P



Câmara de rede

Manual do usuário

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Marca comercial

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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 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.
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 PoE , 1.5A. (PNM-9320VQP)
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.

Os motores Pan/Tilt /Zoom e o anel deslizante são garantidos por um ano sob operação contínua.

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.

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.

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) i7 3,4 GHz ou superior
 - SO suportado : MS Windows, Mac OS X
 - Navegadores suportados : Google Chrome, MS Edge, Mozilla Firefox(apenas Windows 64bit), Apple Safari (Apenas Mac OS X), MS Explore
- Consulte o anexo para obter informações detalhadas sobre o SO e navegadores verificados.
Algumas funções podem ser restritas mesmo nos navegadores suportados.

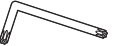
ESPECIFICAÇÕES DE CARTÃO DE MEMÓRIA MICRO SD/SDHC/SDXC

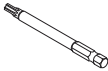
- Capacidade recomendada: 16GB a 256GB (tipo MLC)
- São recomendados para esta câmera os seguintes tipos de cartões de memória dos seguintes fabricantes.
 - Fabricante: SanDisk, Transcend
 - Família do Produto: Elevada resistência
- Se recomenda que use um cartão de memória de 16 GB ou mais, que esteja em conformidade com a especificação UHS-classe 3 (tipo MLC).

ITENS FORNECIDOS (PNM-9320VQP)

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	
	Cartão de garantia (Opcional)	1	
	Injetor de HPoE	1	Conexões de fonte de alimentação e rede
	Cabo do monitor de teste	1	Usado para testar a conexão da câmera a um dispositivo de exibição portátil
	Cabo de alimentação	1	Conexões para HPoE

Aparência	Nome do item	Quantidade	Descrição
	Bloco de terminal	1	Conexão de alarme E/S
	Chave hexadecimal	1	Usado para apertar as porcas depois de conectar a base instalada com o corpo da câmera
	Chave sextavada	1	Usado para montar/desmontar a tampa do domo e a porta do cartão SD
	Parafuso hexagonal	3	Usado para conectar a base instalada com o corpo da câmera
	Base instalada	1	Suporte para instalação do produto
	Acessórios impermeáveis	1	Usado para instalação em uma área úmida

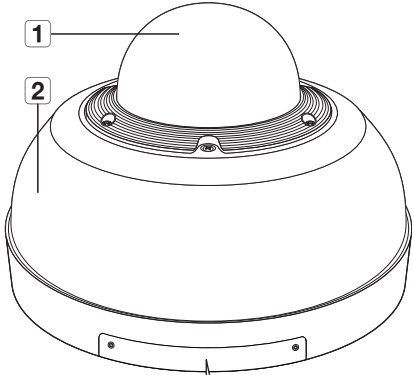
Aparência	Nome do item	Quantidade	Descrição
	Broca	1	Usado para montar/desmontar a tampa do domo e a porta do cartão SD (por ferramenta elétrica)
	Núcleo de ferrite	1	Usado para bloquear o(s) componente(s) de alta frequência contidos na fonte de alimentação e o fim de sinal de ser irradiado para o exterior Recomenda-se enrolar 2 vezes à volta do cabo de alimentação e do cabo LAN antes de usar.

ITENS FORNECIDOS (MÓDULO DE LENTES -OPCIONAL)

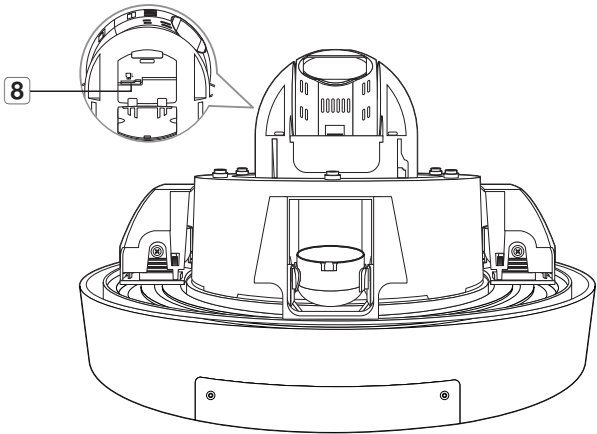
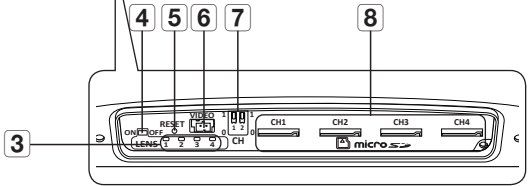
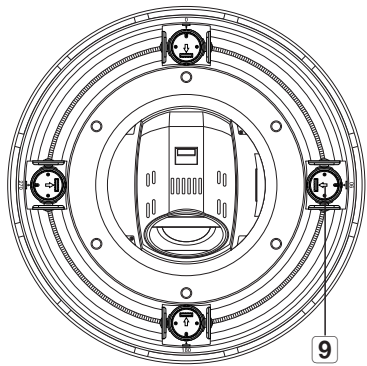
Aparência	Nome do item	Descrição	Nome do modelo
	Módulo de lentes	Montado para PNM-9320VQP	SLA-2M2400P
			SLA-2M2800P
			SLA-2M3600P
			SLA-2M6000P
			SLA-2M1200P
			SLA-5M3700P
			SLA-5M4600P
			SLA-5M7000P

INFORMAÇÕES RESUMIDAS (PNM-9320VQP)

Aparência

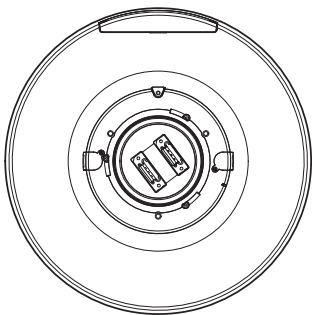


Componentes

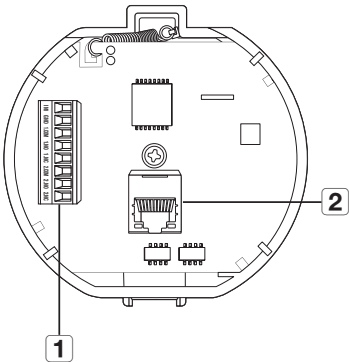


Item	Descrição
1 Tampa do Dome	Tampa da caixa usada para proteger a lente e a unidade principal.
2 Tampa da janela	
3 Luz de indicação do módulo da lente (normal: verde, anormal: vermelho)	Se o módulo da lente está fixado corretamente, o LED verde irá iluminar-se e depois desligar-se passados 40 segundos aproximadamente. (para evitar reflexos indesejados)
4 Interruptor de energia ligada/desligada	Um interruptor que liga e desliga a alimentação do módulo de lente do Canal 4. ■ A energia PTZ não pode ser desligada. ■ Use-o somente para substituir o módulo da sua lente.
5 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.
6 Teste da saída do monitor	Porta de saída para testar o monitoramento da saída de vídeo. Utilize o cabo de teste do monitor para se conectar a um visor móvel e verificar o vídeo de teste.
7 Interruptor DIP para mudar o canal	Mude os interruptores DIP para especificar o canal que você deseja usar para ver o vídeo de instalação.
8 Compartimento para cartões de memória Micro SD	Compartimento para cartões de memória Micro SD.
9 Porção de montagem do módulo de lentes	Este é o terminal onde montar o módulo de lentes.

Lado da instalação



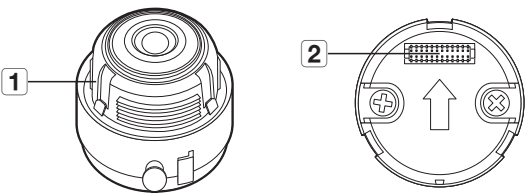
Interior da base instalada



Item	Descrição
1 Terminais de E/S de alarme	Cabos dos terminais de conexão E/S de alarme.
2 Terminais de conexão de rede/energia	Um terminal que conecta energia e rede através do cabo RJ45.

INFORMAÇÕES RESUMIDAS (MÓDULO DE LENTES)

Aparência



Item	Descrição
1 Módulo de lentes	Este é um módulo de lentes que grava vídeo.
2 Conector de câmera	Este é um terminal a conectar à câmera.

INSTALAÇÃO

- Esta câmara é impermeável e cumpre as especificações IP66, mas a ficha conectada ao cabo externo não cumpre. Se recomenda instalar este produto debaixo da borda das abas para evitar que o cabo seja exteriormente exposto.

Precauções antes da instalação

Certifique-se de ler as seguintes instruções antes de instalar a câmara:

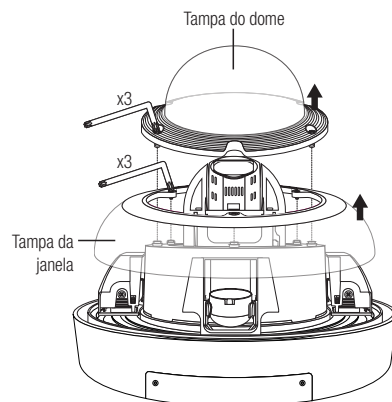
- Selecione um local de instalação que possa suportar pelo menos 5 vezes o peso da câmara.
- Cabos presos ou desencapados podem causar danos ao produto ou um incêndio.
- Por motivos de segurança, mantenha outras pessoas longe do local de instalação.
- E coloque os pertences pessoais longe do local, apenas por precaução.
- Se o produto for instalada com força excessiva, isso pode causar danos na câmara devido a avaria. Forçar a montagem usando ferramentas incompatíveis pode danificar o produto.
- Não instale ou remova o módulo da lente enquanto a energia estiver ligada.

Desmontando

Com a chave sextavada ou brocas, solte os parafusos de fixação no sentido anti-horário e remova o domo e a cobertura de janela.

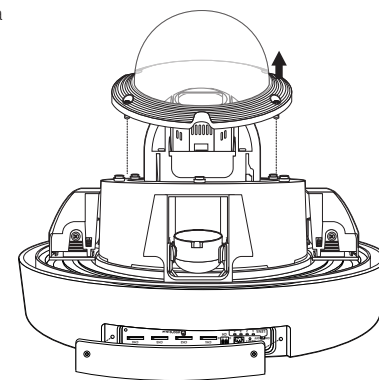
- Você não precisa remover completamente os parafusos das tampas.
- Remova a tampa do domo apenas quando instalar o cartão Micro SD para PTZ. Nos demais casos, não remova a tampa do domo.
- Remova a tampa da janela ao instalar o módulo da lente. Você não precisa remover a tampa do domo.

- Como as tampas do domo e da janela são transparentes, não há cabo de segurança. Por favor, tenha cuidado para não deixá-lo cair.



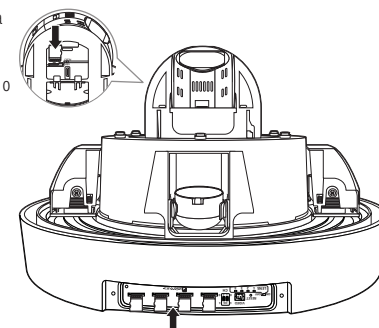
Insira o cartão de memória Micro SD

1. Usando a chave sextavada ou brocas, remova a tampa do domo e a porta do cartão SD.



2. Insira um cartão Micro SD na direção da seta mostrada na figura.

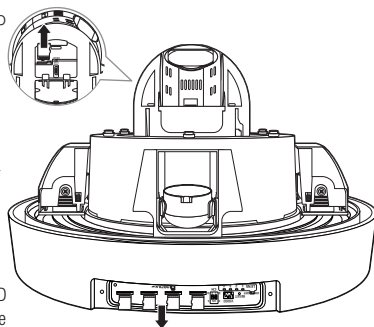
- Desconecte o cabo de alimentação da câmera antes de inserir o cartão de memória Micro SD.
- Não o insira com força na direção contrária. Pode danificar o seu cartão de memória Micro SD e o seu produto.
- Quando chove ou a umidade é alta, não é recomendada a inserção ou a ejeção de um cartão Micro SD.
- A desmontagem da tampa do produto fica terminada no prazo de 5 minutos, ou haverá o risco de condensação interna.
- Remova a tampa do domo ao instalar o cartão Micro SD para PTZ.



Remova o cartão de memória Micro SD

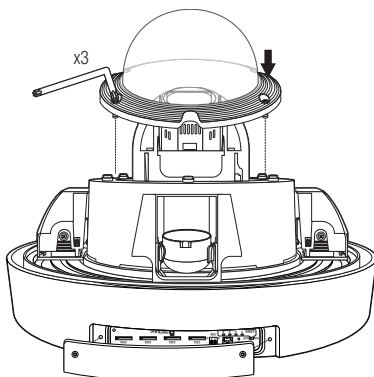
1. Pressione com cuidado a extremidade exposta do cartão de memória, conforme mostrado na figura, para ejetá-lo do slot.

- ! Você deve salvar um cartão SD para cada canal.
- Por favor, note que se você empurrar firmemente e libertar o cartão de memória Micro SD quando ele é ejetado, este poderá saltar.
- Antes de remover o cartão de memória SD, em <Armazenamento>, defina o dispositivo para <Desl.> e 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.



2. Usando a chave sextavada ou brocas, junte a tampa do domo e a porta do cartão SD.

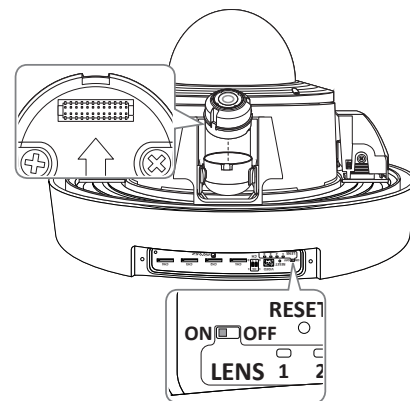
- ! Use a chave sextavada ou brocas para apertar firmemente os parafusos de fixação para que não haja problema de danos causados pela água.



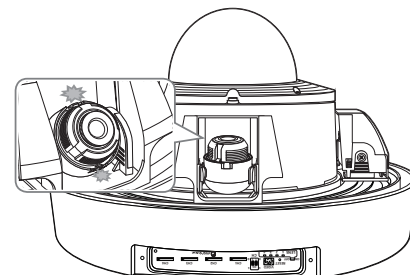
Montar o módulo de lentes

1. Alinhe a aperte o conector do módulo de lentes com o conector do corpo da câmera.

- ! Instale o módulo da lente quando a energia não estiver conectada (HPoE).
- Certifique-se de que o interruptor de energia esteja "OFF" antes de instalar o módulo da lente. Substituir o módulo da lentes enquanto estiver "ON" pode causar mau funcionamento.
- Recomenda-se que evite tocar nas lentes em separado, pois são enviadas da fábrica com o foco ajustado durante a inspeção de produção.



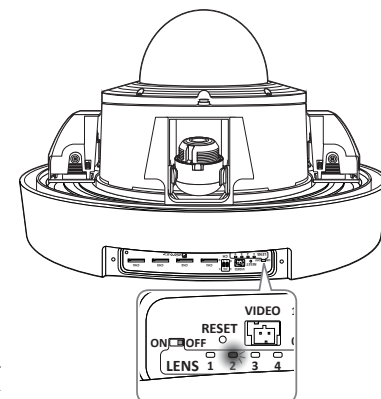
- Insira o módulo da lente até que os ganchos superior/inferior "cliquem".



2. Concluir o processo de montagem da lente.

3. Conecte o produto à energia (HPoE).

- ! Se o módulo da lente não estiver fixado corretamente, a luz de status do módulo da lente irá acender a vermelho, como mostra a figura. Se isso ocorrer desligue o interruptor de energia e volte a fixar o módulo da lente. Se estiver fixado corretamente, irá iluminar-se a verde e depois desligar-se passados 40 segundos aproximadamente.
- Se quiser substituir o módulo da lente ao conectar o produto à energia (HPoE), coloque o interruptor na posição "OFF", substitua o módulo da lente, e recolque o interruptor na posição "ON".
- Tenha cuidado para não utilizar nenhuma ferramenta de ponta afiada ao lidar com o interruptor, pois ele pode ser danificado.
- Tenha o cuidado de não forçar o interruptor, pois ele pode ser danificado.



Preparando e instalando o suporte da câmera

Para conhecer as diretrizes de instalação de suportes e gabinetes, consulte o manual de instalação fornecido com o suporte ou gabinete.

Modelos de suporte disponíveis

Modelo	Item
SBP-390WM2	Montagem em parede
SBP-300CM	Montagem no teto
SBP-300LM	Montagem no parapeito
SBP-300KM	Montagem no canto
SBP-300PM	Montagem em poste

■ Consulte “**Acessórios opcionais para instalação**” para conhecer a aparência de cada suporte (não fornecidos). (página 17)

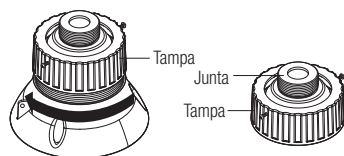
Conectando ao adaptador não fornecido

Escolha e compre um dos seguintes opcionais necessários (não fornecidos) adequado ao site de instalação ou para sua conveniência.

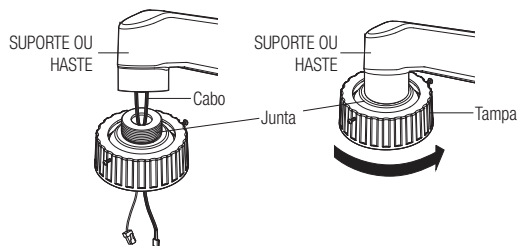
Consulte “**Acessórios opcionais para instalação**”. (página 17)

1. Gire a tampa na direção mostrada pela seta para separar a tampa da junta.

■ Se você não estiver usando o módulo SFP para instalação, poderá ignorar o procedimento de instalação da Etapa 1 a 6.

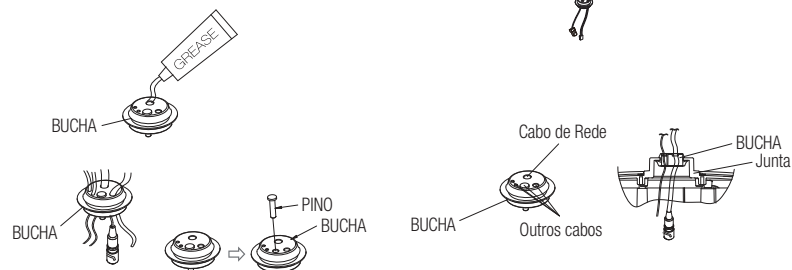


2. Passe o cabo exposto para fora do suporte ou haste através da junta.
3. Rode a junta na direção da seta para conectar os dois materiais.

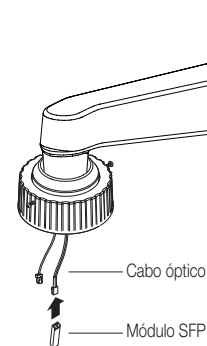


■ Se o produto estiver instalado em uma área onde a umidade externa possa penetrar através do suporte ou haste, use a bucha adicional para bloquear a entrada de umidade externa.

- Cubra a bucha com uma quantidade adequada de graxa e conecte o cabo ao orifício correto da bucha. Conecte os furos restantes não usados pelos cabos os pinos.
- Pressione com calma a bucha para apertar com precisão na “Junta” como mostrado na imagem da seção transversal.

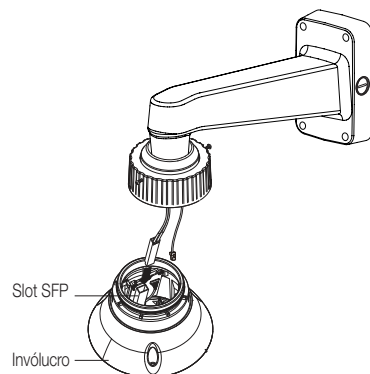


4. Prenda o cabo óptico ao módulo SFP.

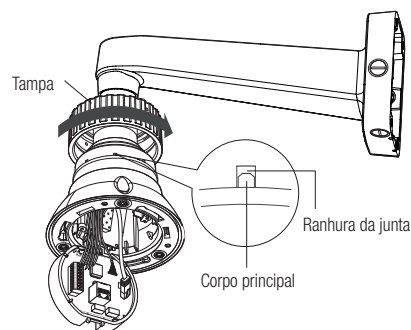


instalação e conexão

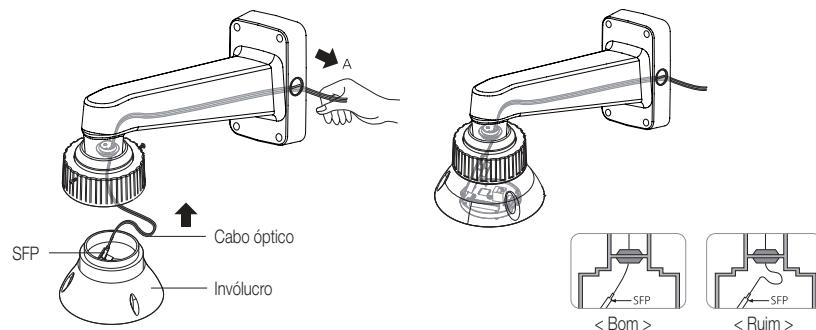
5. Fixe o módulo SFP na ranhura SFP no corpo principal.



6. Conecte o corpo principal e a ranhura da junta, combinando a forma e, em seguida, aperte-os girando a tampa na direção da seta.

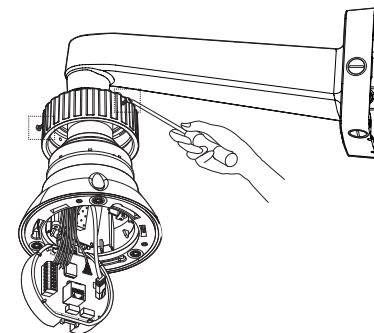


- ! ■ Fixe os dois materiais enquanto puxa o cabo óptico do lado de fora para que ele não seja dobrado para dentro.



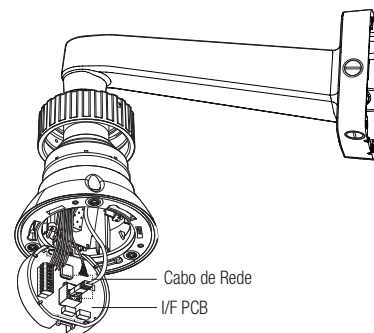
7. Gire os parafusos nos dois lados da tampa para evitar que a tampa se solte na direção oposta.
(Apenas parte dos parafusos vão para dentro até certo ponto.)

- ! ■ Mesmo se você não estiver conectando o módulo SFP, aperte firmemente a TAMPa para evitar vazamento.
Não é montada apertada de fábrica.

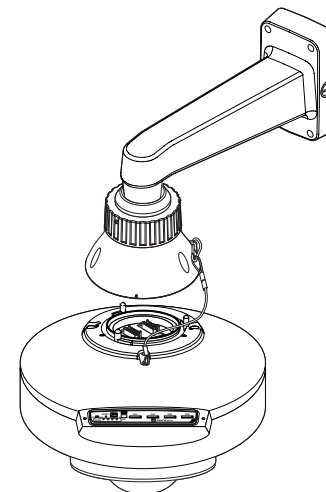


8. Conecte o cabo Ethernet ao I/F PCB.

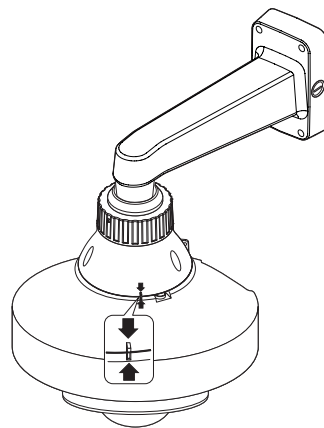
- ! ■ Para uma união suave com a câmera PTZ, tenha cuidado com a forma e o formato.
(Depois de unir a câmera, o cabo pode ficar entrelaçado à medida que o I/F PCB gira.)



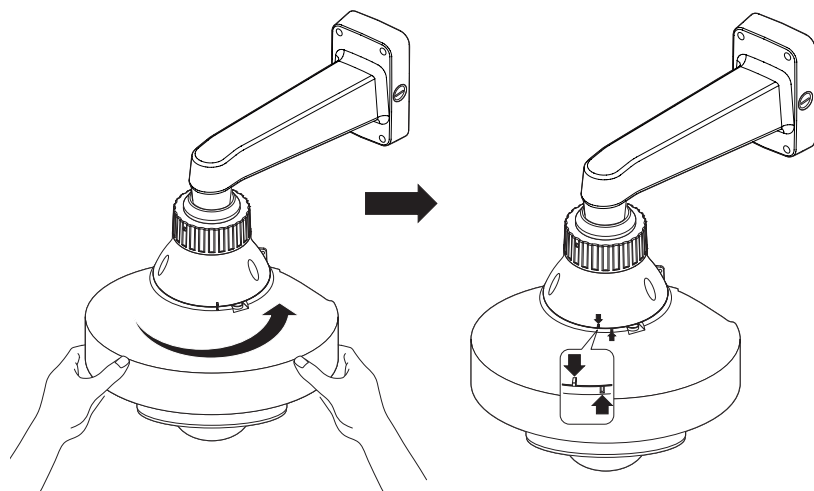
9. Depois de fixar a placa I/F PCB ao corpo, instale o cabo de segurança do corpo da câmera na base instalada.



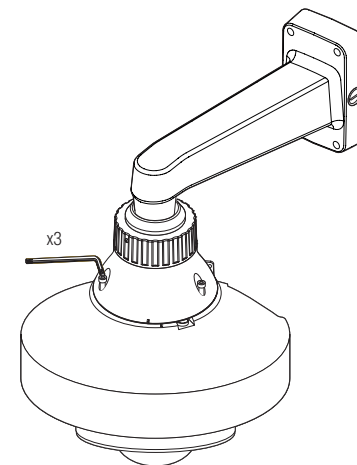
10. Junte a base instalada e ao corpo da câmera, combinando os indicadores de referência de direção.



11. Gire a câmera na direção da seta para que os indicadores de referência na parte superior e inferior sejam os mesmos da imagem à direita.



12. Use a chave hexagonal para fixar a base instalada e a câmera.



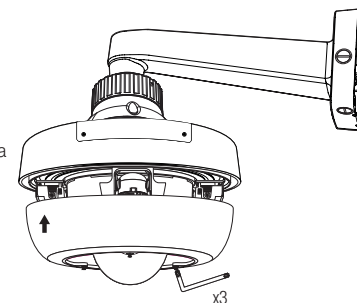
13. Ajuste a lente para a direção desejada consultando "Ajustando a direção de monitoramento da câmera". (Página 18)

- Se você inclinar a lente, pode precisar de ajustar a lente pois isso pode bloquear a tela.

14. Use a chave sextavada ou as brocas para unir a tampa da janela.



- Use a chave sextavada ou brocas para apertar firmemente os parafusos de fixação para que não haja problema de danos causados pela água.
- Como a tampa da janela é transparente, não há cabo de segurança. Por favor, tenha cuidado para não deixá-lo cair.

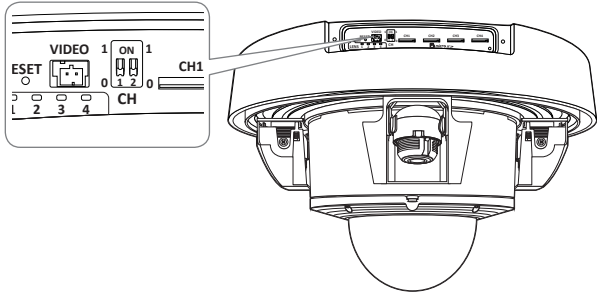


Como configurar canais a monitorar para instalação

O corpo da câmera tem um interruptor DIP de canal, como mostra a imagem. Você pode alterar o canal da câmera usando os interruptores DIP de canal.

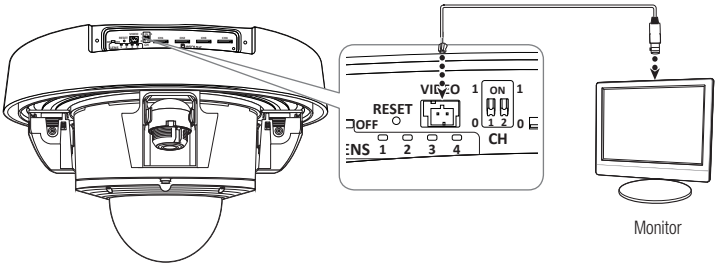
CH1	CH2	CH3	CH4
00	01	10	11

- Se um interruptor DIP não estiver totalmente On/Off, o produto pode avariar. Após a instalação, verifique os interruptores DIP na parte de trás.
- Tome cuidado, pois arriscará danificar um interruptor DIP se o manusear usando uma ferramenta afiada.
- Tome cuidado, pois um interruptor DIP pode ser danificado se você o operar com força excessiva, .



Conexão do monitor de instalação

Conecte o terminal de saída de vídeo deste produto ao terminal de entrada de vídeo do monitor para instalação.



- O cabeamento varia dependendo do tipo de monitor e dispositivos periféricos; consulte o manual do usuário para cada dispositivo
- Certifique-se de que o monitor e a câmera estejam desligados ao conectá-los.

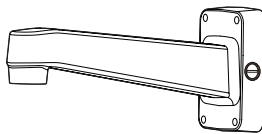
- Este produto é uma câmera de rede que transfere vídeo por uma rede; o terminal de saída de vídeo é usado para definir a amplitude da imagem da câmera na instalação.
- Usar o terminal para fins de monitoramento pode causar problemas, como degradação da qualidade de vídeo.
- Não é adequada para monitoramento de 24 horas usando monitores profissionais CRT ou monitores portáteis TFT/LCD.
- Usa a tela de transferência de rede para monitoramento e armazenamento de 24 horas.
- Você só pode verificar os vídeos do módulo da lente do Canal 4, não os vídeos do PTZ.

Acessórios opcionais para instalação

Para uma instalação fácil, você pode adquirir os acessórios opcionais apropriados disponíveis.

1. Se a instalação da câmera for na parede

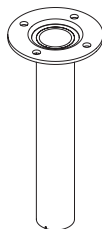
- Montagem em parede (SBP-390WM2)



2. Se a instalação da câmera for no teto

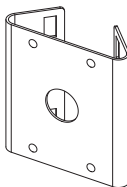
- Montagem no teto (SBP-300CM)

Ao instalar o suporte de teto, recomenda-se colocá-lo ao menos 30 cm de distância da parede lateral.



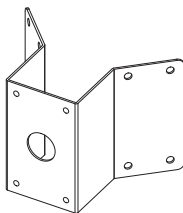
3. Se a instalação usar o suporte de parede (SBP-390WM2) em um cilindro com comprimento de, pelo menos, 80mm.

- Montagem em poste (SBP-300PM)



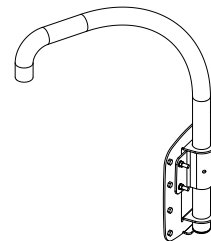
4. Se a instalação usar o suporte de parede (SBP-390WM2) em um canto da parede.

- Montagem no canto (SBP-300KM)

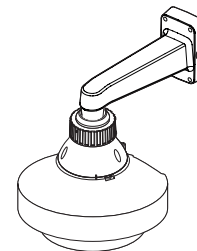


5. Se a instalação for no telhado de um edifício

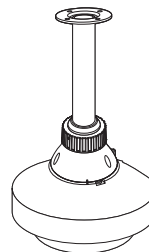
- Montagem no parapeito (SBP-300LM)



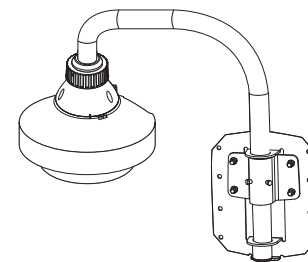
▪ Junta de Montagem



Montagem em parede (SBP-390WM2)

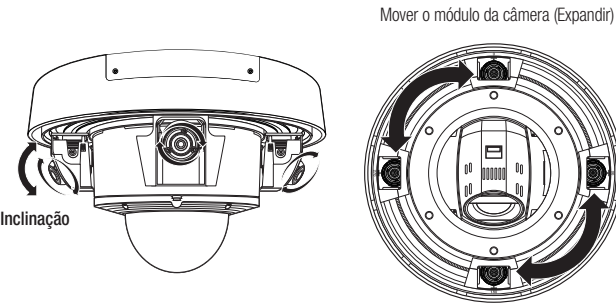


Montagem no teto (SBP-300CM)



Montagem no parapeito (SBP-300LM)

Ajustando a direção de monitoramento da câmera



Ajustando a direção de monitoramento

Você pode ajustar a direção da câmera apenas quando a câmera estiver fixada no teto. O ato de mover o módulo da câmera é chamado "Expandir"; ajustar seu ângulo: "Inclinar"; girar a lente ao longo do eixo: "Girar".

- O ângulo de rotação da Expansão é -90° a +90° para cada módulo.
- O ângulo de rotação da Rotação é -180° a +180°.
- O ângulo de rotação da Inclinação varia para cada lente. Veja a tabela abaixo.

-
- A imagem pode ser tapada pela carcaça da câmera dependendo do ângulo.
 - Não expanda além do ângulo de rotação especificado. Pode danificar o cabo, levando ao mau funcionamento do produto.

Métodos de ajuste

1. Após instalar a câmera em relação à direção para monitoramento, ajuste o ângulo de Expansão junto à grade inferior.
2. Ajuste o ângulo horizontal para que a imagem não pareça estar invertida durante a rotação.
3. Ajuste o ângulo de inclinação para que aponte na direção a ser monitorada.

Faixa do ângulo de inclinação para cada módulo da lente

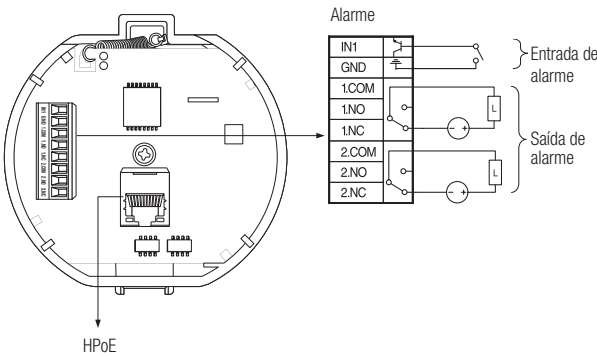
Nome do módulo da lente	SLA-2M2400P	SLA-2M2800P	SLA-2M3600P	SLA-2M6000P	SLA-2M1200P	SLA-5M3700P	SLA-5M4600P	SLA-5M7000P
Instalação normal	52°~56°	26°~80°	22°~84°	10°~95°	10°~97°	36°~73°	21°~85°	12°~93°
Para HallywayView	Not supported	37°~70°	33°~73°	17°~88°	12°~92°	45°~62°	38°~74°	21°~85°

-
- Um bloqueio parcial de visão em um canto do monitor pode ocorrer como resultado da instalação além da faixa do ângulo permitido.

CONECTANDO A OUTRO DISPOSITIVO

Placa de interface de cabeamento da câmera

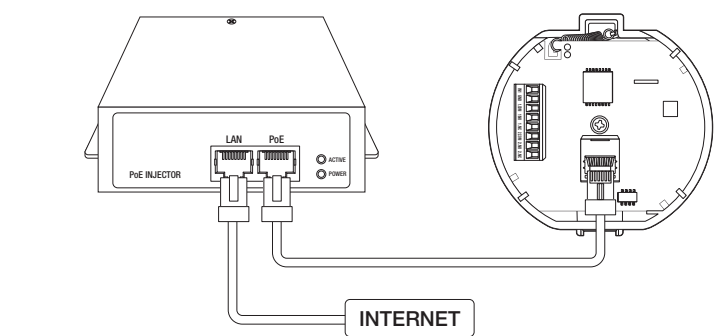
Para cabeamento da câmera, consulte a ilustração abaixo.



-
- Quando a saída de alarme estiver conectada como Normal Aberto:
 - a entrada do sensor opera quando é curto para o tipo de contato de ponto ou no nível "BAIXO" para o tipo ativo.
 - A capacidade máxima do terminal de saída de alarme é 30V DC/2A, 125V AC/0,5A e 250V AC/0,25A.
 - Ao conectar os cabos de entrada e saída do alarme, certifique-se de conectar um cabo a cada terminal respectivamente.
 - Para conectar produtos acima da capacidade da câmera, use um relé adicional.
 - A conexão incorreta do GND com a porta NC/NO e a porta COM pode causar incêndio ou danos ao produto.

Energia e rede

Conecte o dispositivo PoE ao terminal PoE da câmera.



■ Por favor, use um adaptador compatível apropriado para a energia do dispositivo.

Especificação do Cabo de Rede

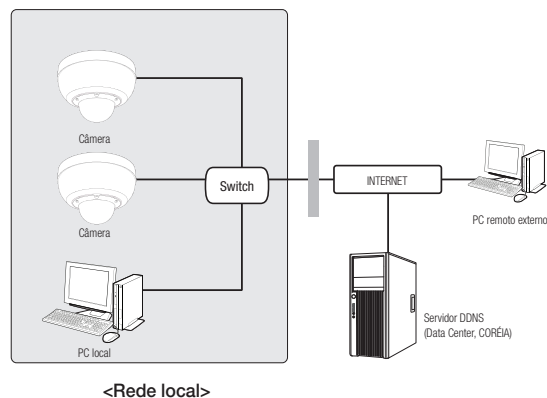
Item	Conteúdos	Comentário
Conector	RJ45 (10/100/1000BASE-T)	
Ethernet	10/100/1000BASE-T	Para operar com 1000BASE-T, deve ser usado um cabo de UTP-6 ou superior para a hub Giga.
Cabo	Categoria 6 UTP	
Distância Máxima	100M	Resistência DC ≤ 0.125 Ω/m
Suporte HPoE	HPoE	

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

CONECTANDO A CÂMERA DIRETAMENTE À REDE LOCAL

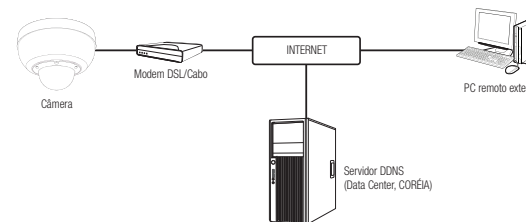
Conectando a câmera a partir de um PC local na LAN

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 21)

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 <Technical Guides> – <Online Tool> do site da Hanwha Techwin (<http://www.hanwha-security.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 23)

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

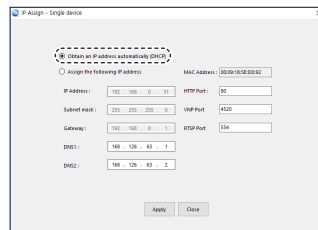
- Se a <HTTP Port> estiver configurada para um valor que não seja 80, você terá que fornecer o número de <Port> na barra de endereço do navegador de Internet antes que possa acessar a câmera.
Por ex) <http://IP address : HTTP Port>
<http://192.168.1.100:8080>
5. Clique no botão [Aplicar].
 6. Se aparecer a mensagem de êxito, clique em [OK].

Configurar o IP dinâmico

Obtenha o endereço IP no DHCP

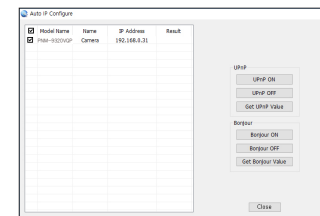
- Exemplo do ambiente de IP dinâmico
 - Se um Roteador de banda larga, com câmeras conectadas, estiver designado a um endereço IP pelo Servidor DHCP
 - Se estiver conectando a câmera diretamente ao modem usando os protocolos DHCP
 - Se os IPs estiverem designados ao servidor DHCP interno através da LAN

- 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

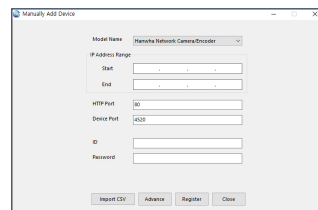
- Na lista, clique na câmera para a qual você deseja configurar automaticamente o IP.
- Clique em **< + >**, na página inicial do Device Manager.
 - O menu Configuração do equipamento é exibido.
- No menu, clique em **<Auto IP Configure (Configurar IP automático)>**.
- Clique no botão **[Close (Fechar)]**.



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.

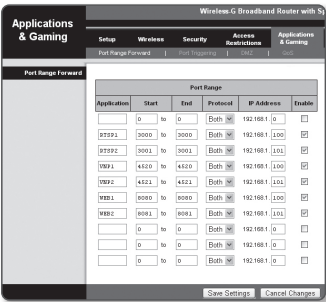


CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

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.

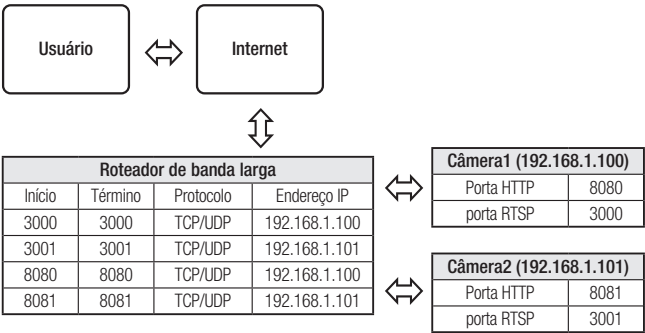


- A configuração de encaminhamento de porta é um exemplo de configuração do roteador de IP CISCO.
- As configurações podem ser diferentes dependendo do modelo do Roteador de banda larga conectado.
- Para obter mais informações, consulte o manual do usuário do roteador aplicável.

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 <Wisenet 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>

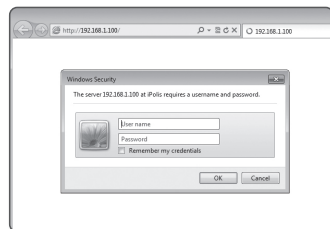


- Para usar o DDNS dinâmico Wisenet, cadastre-se na página do DDNS dinâmico Wisenet (<http://ddns.hanwha-security.com>) e registre o produto em **[Meu DDNS dinâmico]>[Registrar produto]**.

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] - 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 do produto
 - 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

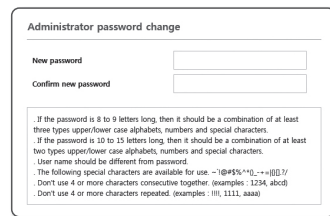
Se a câmera estiver conectada diretamente a um modem de cabo com base DHCP ou modem DSL, o endereço IP irá mudar de cada vez que tenta conectar ao ISP (a empresa à qual você aderiu). Se esse for o caso, você não será informado do endereço IP alterado por DDNS.

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 <Wisenet 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 login e senha.
Quando aparece a janela de “**Alteração de senha**”, digite a nova senha.

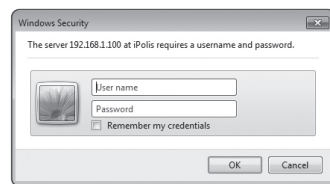
- Para uma nova senha com 8 a 9 dígitos, você deve usar pelo menos 3 dos seguintes: letras maiúsculas/minúsculas, números e caracteres especiais. Para uma senha com 10 a 15 dígitos, você deve usar pelo menos 2 tipos dos mencionados.
 - Caracteres especiais são permitidos: ~!@#\$%^&*()_+=|[]{}?/
- Para 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.



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.

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.

SOLUÇÃO DE PROBLEMAS

PROBLEMA	SOLUÇÃO
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. - Verifique se o módulo de lentes está funcionando normalmente.

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>.

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GPL SW

Component Name	License	URL
Base Kernel	GPL 2.0	
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	
zeroconf	GPL 2.0	

LGPL SW

Component Name	License	URL
glibc	LGPL 2.0	
inetutils	LGPL 3.0	
neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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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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established by T-Engine Forum
on January 23, 2004
revised on June 17, 2004
revised on December 21, 2006
revised on March 24, 2009

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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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