

CÂMARA DE REDE

Manual do usuário

QNP-6230/QNP-6230H



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 se destina a ser fornecido com a Fonte de Alimentação marcada como "Classe 2" ou "LPS" e classificada como 24 Vac (50 ou 60 Hz), min. 1,6 A ou PoE(42,5V ~ 57V), min 0,7 A. (QNP-6230)
16. Este produto se destina a ser fornecido com a Fonte de Alimentação marcada como "Classe 2" ou "LPS" e classificada como 24 Vac (50 ou 60 Hz), min. 2,9 A ou PoE(42,5V ~ 57V), min 0,9 A. (QNP-6230H)
17. Não instale a câmera verticalmente em uma parede. Isso irá causar anulação da Inclinação.
18. 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.
19. 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.



20. 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.
21. 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.
22. 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
- RAM : 8Gb ou superior
- SO suportado : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12
- **Visualizador da web com plug-in gratuito**
Navegadores suportados : Google Chrome 63, MS Edge 41, Mozilla Firefox 57 (Apenas suportado em Window 64bit) , Apple Safari 11 (Apenas suportado em Mac OS X)
- **Visualizador da web com plug-in**
Navegadores suportados : MS Explore 11, Apple Safari 11 (Apenas suportado em Mac OS X)

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

ESPECIFICAÇÕES RECOMENDADAS POR NAS

- Capacidade recomendada : É recomendado 200 GB ou superior.
- Acesso simultâneo : Uma unidade de NAS pode aceitar o máximo de dezesseis acessos de câmeras.
- Para esta câmera, é recomendado o uso de um NAS com as seguintes especificações do fabricante.

Produtos recomendados	Tamanhos disponíveis
QNAP NAS	Um máximo de 16 câmeras podem acessar simultaneamente.
NAS Synology	Um máximo de 16 câmeras podem acessar simultaneamente.



▪ Se usar o equipamento da NAS para outros fins que não salvar vídeo, o número de câmeras acessíveis pode ser reduzido.

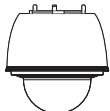
ITENS FORNECIDOS (QNP-6230)

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	
	Cabo do monitor de teste	1	Usado para testar a conexão da câmera a um dispositivo de exibição portátil
	Base de instalação	1	Se a instalação for interna em um compartimento no teto
	Macho de tarracha	4	Usado para instalação no teto
	Gabarito	1	Guia de instalação do produto
	Folha de isolamento	1	Use quando instalar a câmera em local muito úmido

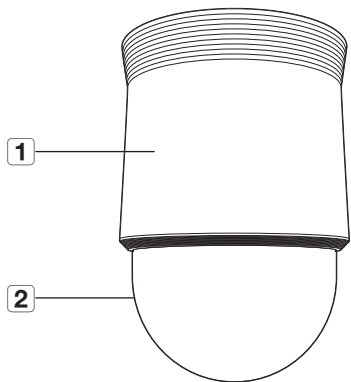
ITENS FORNECIDOS (QNP-6230H)

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.)

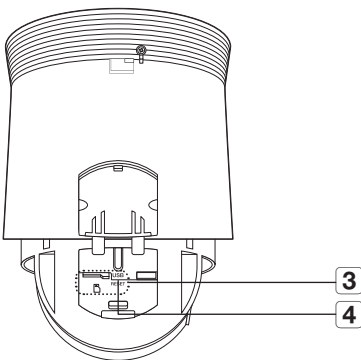
Aparência	Nome do item	Quantidade	Descrição
	Câmera	1	
	Guia de consulta rápida (Opcional)	1	
	Cartão de garantia (Opcional)	1	
	Cabo do monitor de teste	1	Usado para testar a conexão da câmera a um dispositivo de exibição portátil
	Chave sextavada	1	Usado para fixar a base de instalação após anexá-la à câmera.
	Parafuso sextavado	3	Usado para unir a base de instalação à câmera.
	Base de instalação	1	Suporte para montagem no exterior
	Acessório de impermeabilização	1	Instale e use onde houver unidade elevada.

INFORMAÇÕES RESUMIDAS (QNP-6230)

Aparência

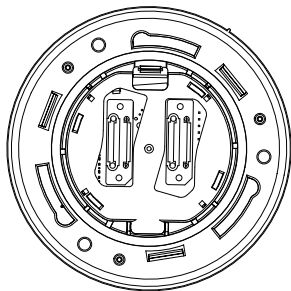


Parte interior

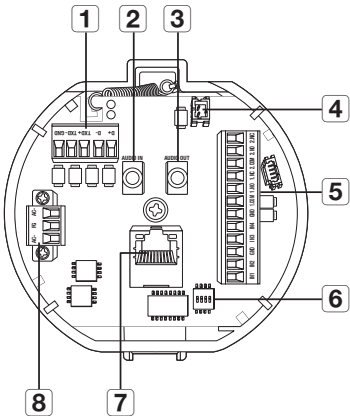


Item	Descrição
1 Unidade principal	Protege o mecanismo PTZ interno da luz solar direta ou de impacto externo.
2 Tampa da dome	Tampa da dome para proteção da lente e da unidade.
3 Compartimento para cartão de memória Micro SD	Compartimento para cartão de memória Micro SD.
4 Botão Redefinir	Pressionar e segurar este botão por aproximadamente 5 segundos redefinirá todas as configurações da câmera ao padrão de fábrica.

Visão inferior da base de instalação



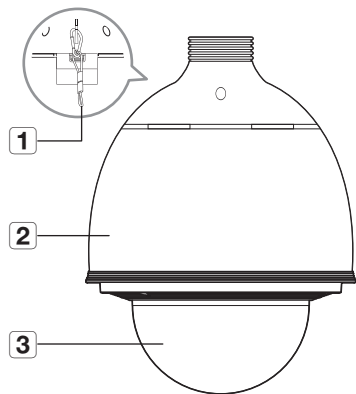
Visão interna da base de instalação



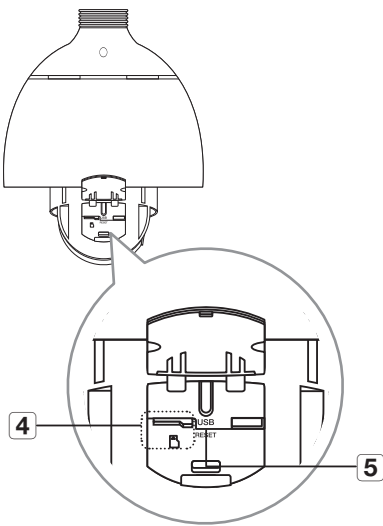
Item	Descrição
1 Portas de Comunicações	Usadas para comunicação RS-485.
2 Porta de entrada de áudio	Usada para conectar o cabo de entrada de áudio.
3 Porta de saída de áudio	Usada para conectar o cabo de saída de áudio.
4 Porta de saída de vídeo	Porta de saída de vídeo analógico. (para instalação)
5 Porta de E/S de alarme	Usada para conectar o cabo E/S do alarme.
6 Chave de configuração de comunicação	Definir o protocolo de comunicação (RS-485) e indicar se deseja encerrar.
7 Conexões de rede	Porta para conexão com a rede usando um cabo Ethernet.
8 Porta de alimentação	Usada para conectar a energia.

INFORMAÇÕES RESUMIDAS (QNP-6230H)

Aparência

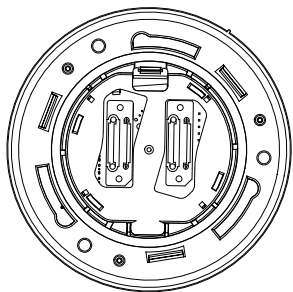


Parte interior

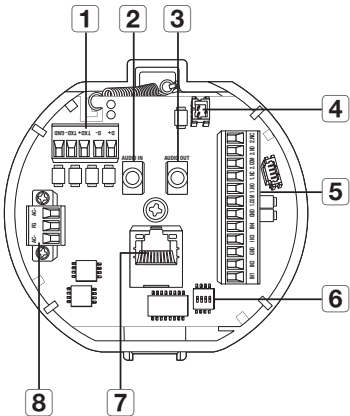


Item	Descrição
1 Cabo de Segurança	O cabo evita que o produto caia durante a instalação.
2 Invólucro	Proteger o mecanismo PTZ interno da luz solar direta, chuva ou impacto externo.
3 Tampa da dome	Tampa da dome para proteção da lente e da unidade.
4 Compartimento para cartão de memória Micro SD	Compartimento para cartão de memória Micro SD.
5 Botão Redefinir	Pressionar e segurar este botão por aproximadamente 5 segundos redefinirá todas as configurações da câmera ao padrão de fábrica.

Visão inferior da base de instalação



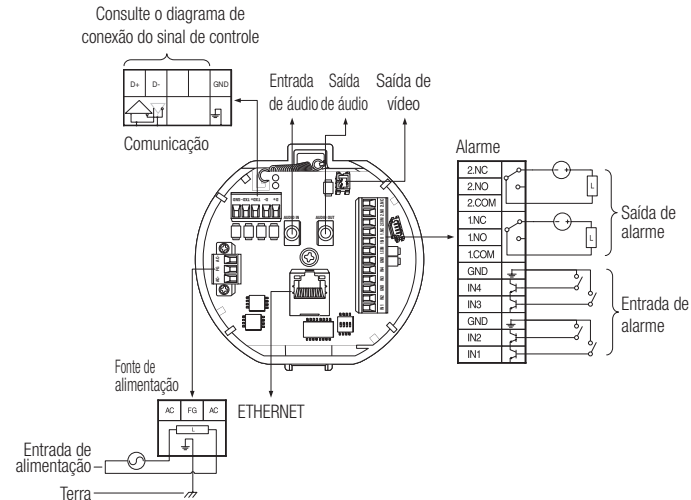
Visão interna da base de instalação



Item	Descrição
1 Portas de Comunicações	Usadas para comunicação RS-485.
2 Porta de entrada de áudio	Usada para conectar o cabo de entrada de áudio.
3 Porta de saída de áudio	Usada para conectar o cabo de saída de áudio.
4 Porta de saída de vídeo	Porta de saída de vídeo analógico. (para instalação)
5 Porta de E/S de alarme	Usada para conectar o cabo E/S do alarme.
6 Chave de configuração de comunicação	Definir o protocolo de comunicação (RS-485) e indicar se deseja encerrar.
7 Conexões de rede	Porta para conexão com a rede usando um cabo Ethernet.
8 Porta de alimentação	Usada para conectar a energia.

Placa de interface de cabeamento da câmera

Para cabeamento da câmera, consulte a ilustração abaixo.



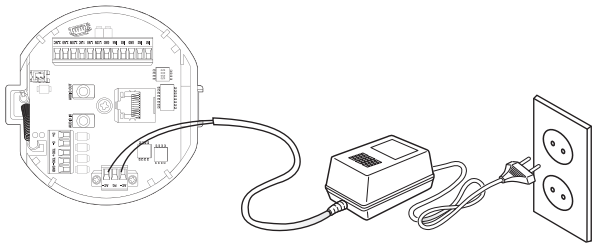
- Selecione Abertura Normal no menu de instalação.
 - A entrada do sensor é ativada durante a procura de tipo de contato, ou quando se encontra em nível "Baixo" do modo ativo.
- Selecione Fecho Normal no menu de instalação.
 - A entrada do sensor é ativada quando aberta para tipo de contato, ou quando em estado de alta impedância (coletor aberto) para o modo ativo tipo.
- 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.
- Se os cabos de alimentação e o fio terra (GND) estiverem conectados de forma inadequada na porta COM ou NF/NA, um incêndio ou avaria do equipamento pode ocorrer.

CONECTANDO A OUTRO DISPOSITIVO

Preparando o adaptador e o cabo



- Conecte a câmera ao adaptador de alimentação. Em seguida, conecte o cabo de alimentação do adaptador à tomada da parede.



Verifique a tensão nominal e a corrente antes de fazer as conexões.

Alimentação nominal	Tensão de entrada aceitável
AC 24V	AC22V~26V
PoE+	42.5Vdc~57Vdc



- Se utilizado com as duas fontes de alimentação PoE+ e 24VCA, o dispositivo é energizado pela fonte de alimentação ativada primeiro.
 - De preferência deve-se usar uma fonte de alimentação, ou PoE+, ou 24VCA.
- No caso de conexão a um dispositivo de comutação que tem energia PoE+, não é preciso aplicar uma fonte de alimentação 24VCA.
- Verifique se o dispositivo PoE satisfaz as especificações PoE+ (IEEE 802.3af).
 - Se o seu dispositivo estiver conectado ao comutador com o padrão de PoE (IEEE 802.3af), acesse o menu de configuração do comutador para "desativar PoE". Para obter mais informações sobre o dispositivo de comutação, consulte o manual do fabricante.
 - Recomenda-se a utilização de um cabo que esteja em conformidade com a especificação PoE+.
- Se usar PoE+ como alimentação, o tempo de arranque pode variar dependendo do modelo de comutador (por canal) ou marcador (pois o tempo de conexão PoE+ encontra-se incluído.).
- O aquecedor não funciona com a fonte de alimentação PoE+. (QNP-6230H)

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

QNP-6230

Diâmetro do fio de cobre (AWG)	#20	#19	#18	#17
Resistência (Ω/m)	0.0333	0.0264	0.021	0.0166
Distância recomendada (m)	Inferior a 20	Inferior a 25	Inferior a 30	Inferior a 30

QNP-6230H

Diâmetro do fio de cobre (AWG)	#18	#17	#16	#15
Resistência (Ω/m)	0.021	0.0166	0.0132	0.0104
Distância recomendada (m)	Inferior a 15	Inferior a 20	Inferior a 25	Inferior a 30

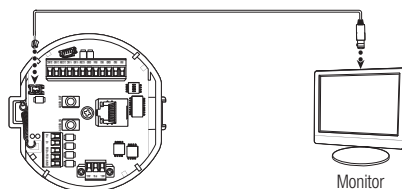
- Conforme mostrado na tabela acima, você pode encontrar um afundamento de tensão, dependendo do comprimento do fio. Se você usar um fio excessivamente comprido para conexão da câmera, ela pode não funcionar apropriadamente.
 - Tensão de operação da câmera: 24VCA±10%
 - As medidas de queda de tensão no gráfico acima podem variar dependendo do tipo e fabricante do fio de cobre.

Conexão Ethernet

Conecte o cabo Ethernet à rede local ou à Internet.

Conexão do monitor de instalação

Conecte o cabo ao terminal de saída de vídeo traseiro da câmera ao terminal de entrada de vídeo do monitor.



- 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.

INSTALAÇÃO

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	QNP-6230	QNP-6230H
SHP-3701H	Gabinete externo	Sim	-
SHP-3701F	Compartimento de montagem no teto		
SBP-301HM3	Montagem suspensa		
SBP-300WM1	Montagem em parede		Sim
SBP-300WM			
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 15)

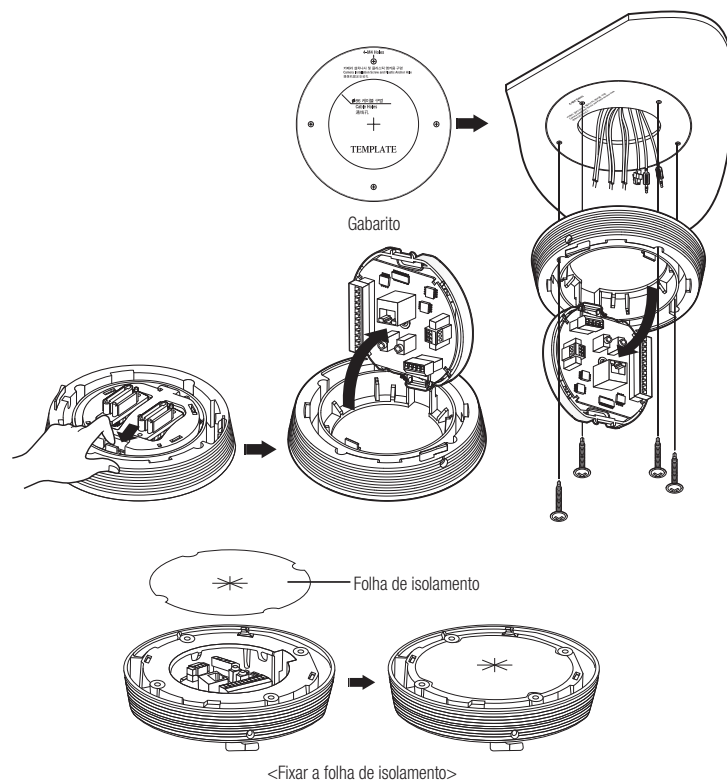
Instalação por acoplamento de superfície (QNP-6230)

- O QNP-6230H não pode ser instalado na superfície de uma parede ou teto.

■ Anexando o gabarito e instalando a base de instalação

1. Acople o modelo fornecido ao teto. Com base no modelo, faça um furo de 86mm no teto e passe os fios pelo furo.
2. Instale a base de instalação conforme mostra a figura.
3. Antes de instalar o suporte exposto, abra a porta articulada na parte inferior do suporte conforme mostrado na ilustração. Segure o botão na porta articulada para abri-la.

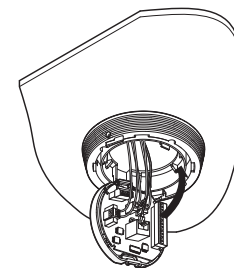
- No caso de instalar a câmera em local muito úmido, instale-a no teto depois de fixar a folha de isolamento incluída na parte traseira da base de instalação.



■ Conexão dos fios do terminal

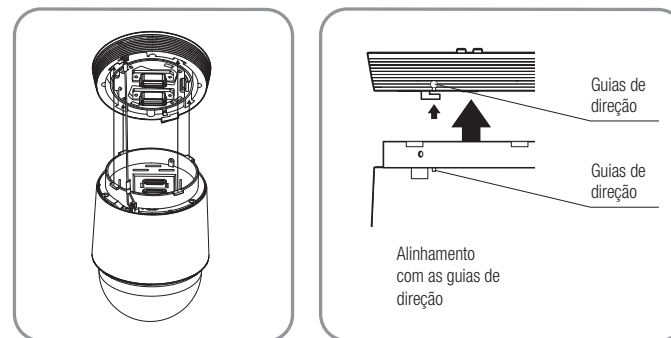
1. Conecte os cabos ao bloco do terminal na porta articulada. Consulte o "Placa de interface de cabeamento da câmera". (página 10)
2. Após a finalização do cabeamento, feche a porta articulada.

- Não conecte a câmera à tomada de energia até que a instalação esteja concluída. Fornecer energia enquanto a instalação está em progresso pode causar fogo ou danos ao produto.



■ Conectando o cabo de segurança da câmera e acoplando a câmera

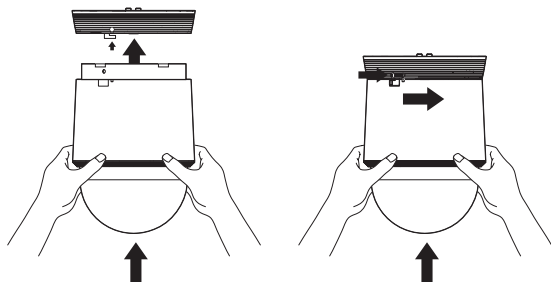
1. Em primeiro lugar, como exibido na imagem do lado esquerdo, retire o cabo de segurança da base e, em seguida, engate o cabo no suporte. O cabo de segurança é enrolado dentro da base.
 - Para acoplar a câmera à montagem, consulte as marcas de alinhamento conforme mostra a ilustração.
2. Acople cuidadosamente a câmera à montagem seguindo as marcas de alinhamento conforme mostrado na ilustração.



- Certifique-se de conectar o cabo de segurança da câmera à montagem antes de prosseguir. Caso contrário você pode ser exposto a graves ferimentos causados pela queda da câmera.

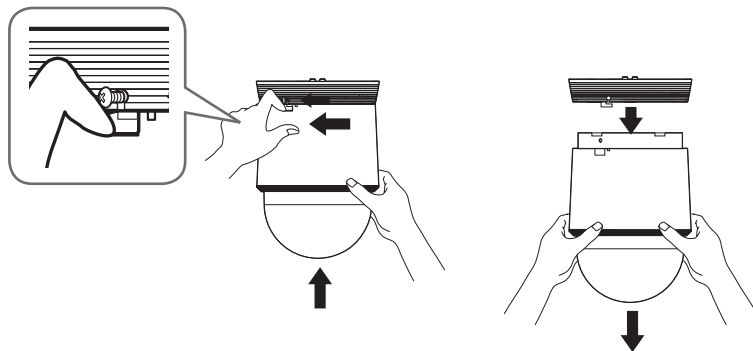
▪ Para acoplar ou desacoplar a câmera, consulte a ilustração.

- Acoplando a câmera : Levante a câmera e rode no sentido horário até não poder mais rodar, como se exibe na figura. Após a rotação, aperte os parafusos montados na base de instalação.



< Para acoplar a câmera >

- Desacoplando a câmera : Desaperte os parafusos como exibido na figura, pressione contra o gancho e rode para a esquerda. (Os parafusos não estão totalmente desmontados.) Quando o gancho não poder mais rodar, retire a unidade da câmera e a separe.

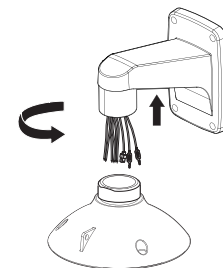


< Para desacoplar a câmera >

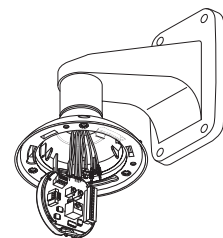
Instalação em montagem na parede (QNP-6230H)

▪ Fixe a base de instalação com o suporte

1. Fixe a base com o suporte girando-a no sentido horário.



2. Conforme mostrado na ilustração abaixo, pressione gentilmente e levante a alça da porta articulada na parte inferior da base de instalação. Consulte o "Placa de interface de cabeamento da câmera" na página 10, conecte os cabos.

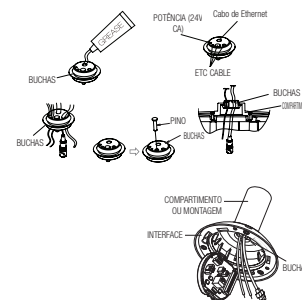


- ! Não conecte a câmera à tomada de energia até que a instalação esteja concluída. Fornecer energia enquanto a instalação está em progresso pode causar fogo ou danos ao produto.

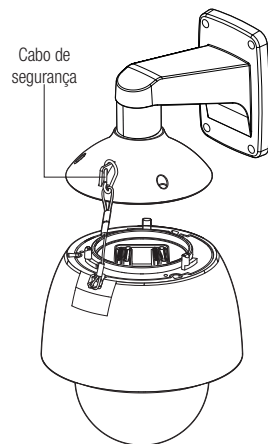
- ☑ Verificar o método de conexão do cabo e instalar.

- Observe que **BUCHAS** são fornecidas para as instalações externas, em que há exposição à umidade pelo **TUBO** ou **MONTAGEM**. Instale o **COMPARTIMENTO** utilizando as **BUCHAS** para evitar a entrada de umidade.

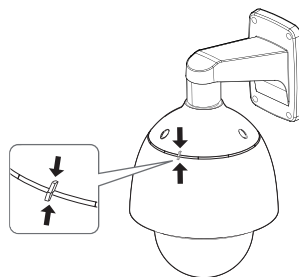
- Aplique graxa em dose apropriada na **BUCHA** antes da montagem e passe os cabos em cada orifício das buchas. Utilize **PINOS** para fechar os orifícios vazios sem cabos.
- Instale as **BUCHAS** na parte superior interna do **COMPARTIMENTO**, conforme mostra a fita gura abaixo. No momento, aplique pressão uniforme às **BUCHAS** para fixá-las bem no **COMPARTIMENTO**, conforme mostra a fita gura.



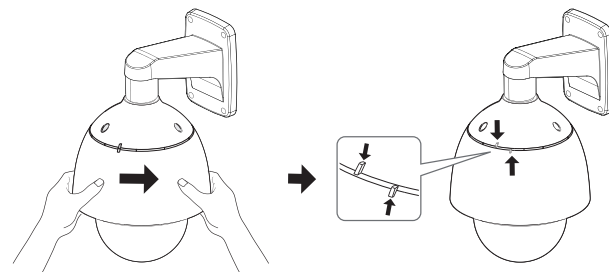
3. Conecte o cabo de segurança da câmera à base de instalação.



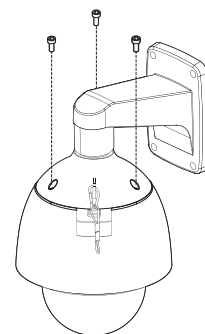
4. Monte a câmera e a base de instalação
Monte a câmera e a base de instalação seguindo os guias de direcionamento da instalação.



5. Acoplamento da câmera
Rode a unidade da câmera montada no sentido do relógio (direita) para que os indicadores de referência de topo e fundo sejam exibidos na imagem à direita.



6. Fixe a câmera e a base de instalação
Como mostra a imagem abaixo, fixe a base de instalação e a câmera usando o parafuso hexagonal.

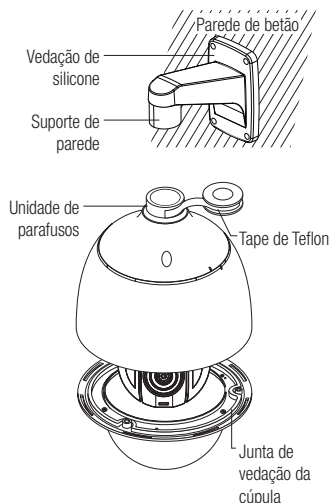


Notas para Impermeabilização

■ Instalar a unidade na parede combinando a carcaça exterior e o suporte de parede.

1. Instale o suporte de parede em parede vertical. Se o suporte for instalado em uma parede inclinada, a unidade pode penetrar dentro da carcaça exterior através do cabo externo.
2. Envolver a parte dos parafusos da carcaça com uma quantidade suficiente de tape de Teflon para montagem.
3. Ao separar a tampa da cúpula e fixando-a na estrutura da carcaça, certifique-se de que a junta de vedação não esteja solta para se separar da tampa da cúpula.
4. Instale o adaptador de montagem de parede para impermeabilidade, e aplique a vedação de silicone entre e em volta da parede e do suporte de parede para vedar.

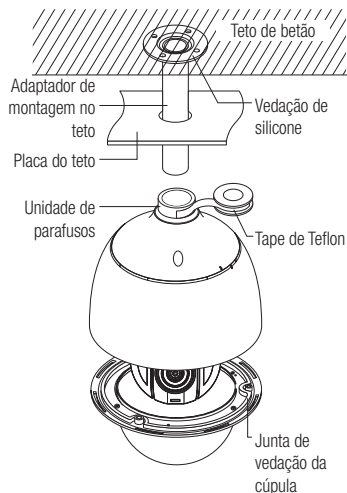
! ■ Tome cuidado especial para garantir que existe vedação adequada se a superfície de instalação não for plana.



■ Instalar em parede combinando a carcaça exterior e o adaptador do suporte de teto

1. Envolver a parte dos parafusos da carcaça com uma quantidade suficiente de tape de Teflon para montagem.
2. Ao separar a tampa da cúpula e fixando-a na estrutura da carcaça, certifique-se de que a junta de vedação não esteja solta para se separar da tampa da cúpula.
3. Instale o adaptador de montagem do teto para impermeabilidade, e aplique a vedação de silicone entre e em volta da parede e do suporte de teto para vedar.

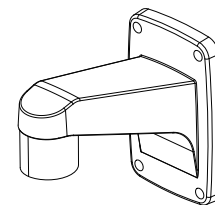
! ■ Tome cuidado especial para garantir que existe vedação adequada se a superfície de instalação não for plana.



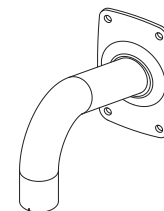
Acessórios opcionais para instalação

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

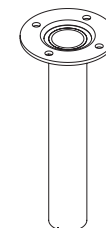
1. Se a instalação da câmera for na parede
 - Montagem em parede (SBP-300WM1)



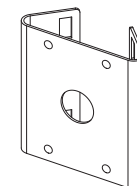
- Montagem em parede (SBP-300WM)



2. Se a instalação da câmera for no teto
 - Montagem no teto (SBP-300CM)



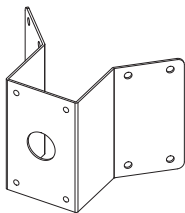
3. Se a instalação usar o suporte de parede (SBP-300WM/SBP-300WM1) em um cilindro com comprimento de, pelo menos, 80mm.
 - Montagem em poste (SBP-300PM)



instalação e conexão

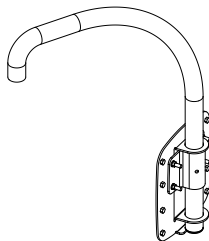
4. Se a instalação usar o suporte de parede (SBP-300WM /SBP-300WM1) em um canto da parede.

- Montagem no canto (SBP-300KM)



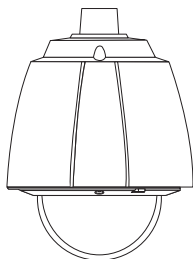
5. Se a instalação for no telhado de um edifício

- Montagem no parapeito (SBP-300LM)



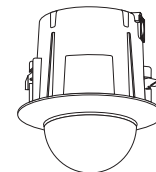
6. Se a instalação for externa QNP-6230

- Gabinete externo (SHP-3701H)



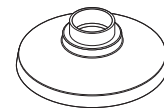
7. Se a instalação da QNP-6230 for no teto como componente incorporado

- Compartimento para montagem interna próxima do teto da câmera PTZ dome (SHP-3701F)



8. Se a instalação da QNP-6230 for em suporte na parede ou teto

- Montagem suspensa (SBP-301HM3)

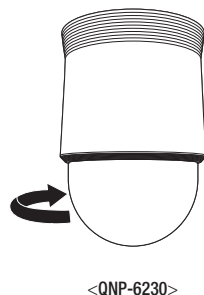


INSERINDO/REMOVENDO UM CARTÃO DE MEMÓRIA MICRO SD

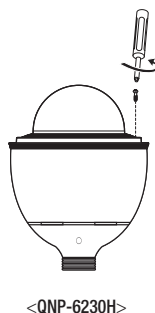
- ❗ Desconecte o cabo de alimentação da câmera antes de inserir o cartão de memória Micro SD.
- ❗ Não insira o cartão de memória Micro SD enquanto estiver virado para baixo com força. Caso contrário, isso pode danificar o cartão de memória Micro SD.
- ❗ Quando chove ou a umidade é alta, não é recomendada 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.

Inserindo um cartão de memória Micro SD

1. Abra a tampa na parte posterior da câmera. (QNP-6230)

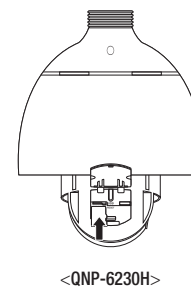
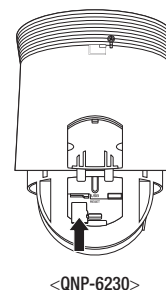


Usando a chave de fendas, desaperte o parafuso rodando-o no sentido anti-horário e separe a cobertura da cúpula. (QNP-6230H)



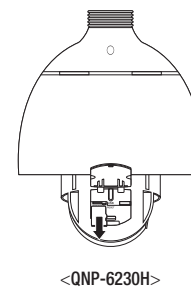
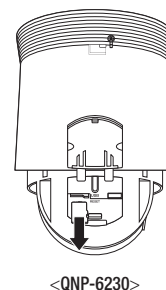
2. Insira o cartão de memória Micro SD na direção da seta, conforme mostra a figura.

- ❗ 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.



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 cartão de memória Micro SD com muita força pode fazer com que ele seja lançado para fora do slot de maneira incontrolável.
- ❗ Antes de remover o cartão de memória micro SD, desligue a câmera ou configure o dispositivo para <Desligado> em <Salvar> e pressione o botão [Aplicar].
- ❗ Se desligar a câmera ou remover o cartão de memória Micro SD que contém dados do produto, os dados podem se perder ou se danificar.

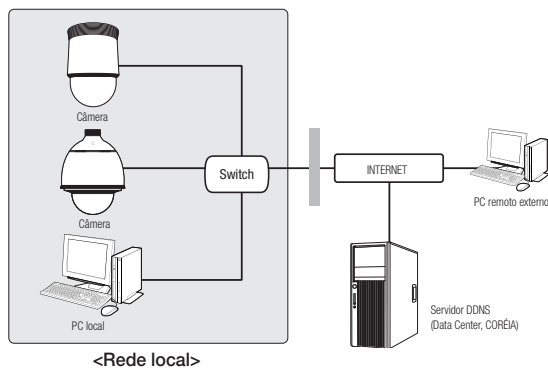
conexão e configuração de rede

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

CONECTANDO A CÂMERA DIRETAMENTE À REDE LOCAL

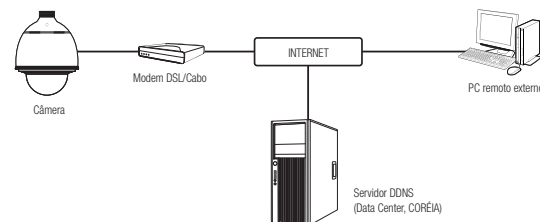
Conectando a câmera a partir de um PC local na LAN

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



- 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.
- No Device Manager, você pode usar a senha inicial "4321" para configurar o endereço IP, a máscara de sub-rede, o gateway, a porta HTTP, a porta VNP e o tipo de IP. Depois de mudar o interface de rede, para uma melhor segurança, acesse o visualizador web e mude a senha.
- 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 20)

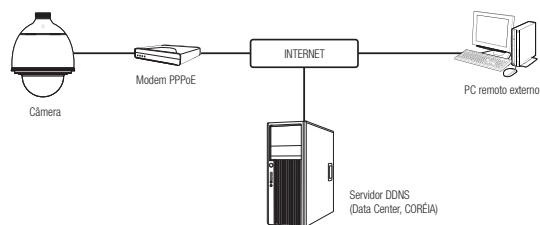
CONECTANDO A CÂMERA DIRETAMENTE A UM DHCP COM BASE NO MODEM DSL/CABO



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.

CONECTANDO A CÂMERA DIRETAMENTE A UM MODEM PPPoE

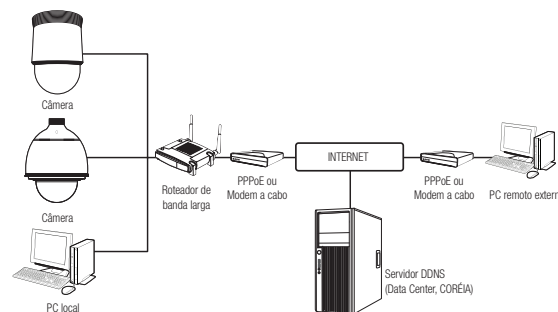


1. Conecte o PC do usuário diretamente à câmera de rede.
2. Execute o Device Manager e altere o endereço IP da câmera, para que você possa usar o navegador de rede em sua área de trabalho para se conectar à internet.
3. Use o navegador da Internet para conectar-se ao visualizador da web.
4. Vá para a 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 **[PPPoE]** e digite o ID e a senha do serviço de rede.
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.

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

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



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

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

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

- Para o endereço do Roteador de banda larga, consulte a documentação do produto.
- Para obter mais informações sobre o encaminhamento de porta do roteador de banda larga, consulte "Configuração do Avanço da Faixa da Porta (Mapeamento de Porta)". (Página 22)

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.
- VNP Port : Usada para controlar a transferência de sinal, definida, por padrão, como 4520.
- 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 22)

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
	VNP Port	4520	4521
	RTSP Port	554	555

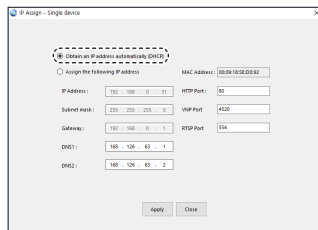
- Se a <HTTP Port> estiver configurada para um valor que não seja 80, você terá que fornecer o número de <Port> na barra de endereço do navegador de Internet antes que possa acessar a câmera.
Por ex) http://IP address : HTTP Port
http://192.168.1.100:8080
5. Clique no botão [Aplicar].
 6. Se aparecer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

Configurar o IP dinâmico

Obtenha o endereço IP no DHCP

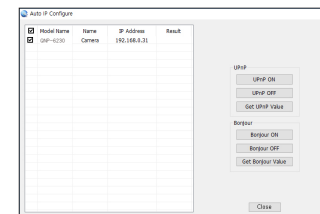
- Exemplo do ambiente de IP dinâmico
 - Se um Roteador de banda larga, com câmeras conectadas, estiver designado a um endereço IP pelo Servidor DHCP
 - Se estiver conectando a câmera diretamente ao modem usando os protocolos DHCP
 - Se os IPs estiverem designados ao servidor DHCP interno através da LAN

- 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

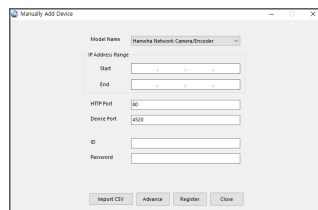
- Na lista, clique na câmera para a qual você deseja configurar automaticamente o IP.
- Clique em **< + >**, na página inicial do Device Manager.
 - O menu Configuração do equipamento é exibido.
- No menu, clique em **<Auto IP Configure (Configurar IP automático)>**.
- Clique no botão **[Close (Fechar)]**.



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, porta VNP, ID e senha.
- Clique no botão **[Register (Registrar)]**.
- Confirme se a câmera está registrada.
 - Marque o endereço MAC no adesivo junto à câmera.

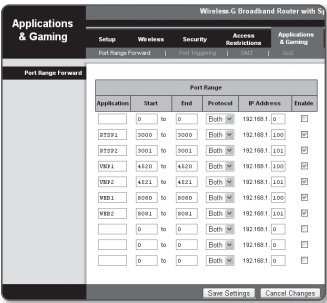


CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

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.

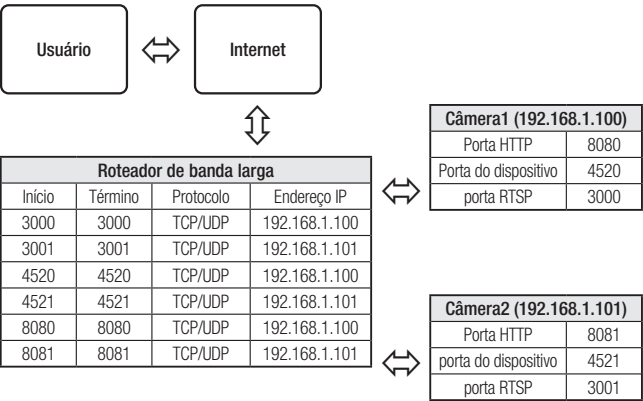


- A configuração de encaminhamento de porta é um exemplo de configuração do roteador de IP CISCO.
- As configurações podem ser diferentes dependendo do modelo do Roteador de banda larga conectado.
Para obter mais informações, consulte o manual do usuário do roteador aplicável.

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>

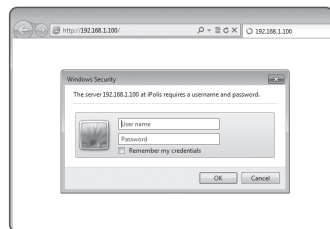


- Para usar o DDNS, cadastre-se na página do DDNS (<http://ddns.hanwha-security.com>) e registre o produto em **[Meu DDNS dinâmico]** > **[Registrar produto]**.

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] - 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 ou modem PPPoE, o endereço IP de sua rede será alterado sempre que você tentar se conectar ao servidor ISP (Provedor de serviço de Internet).

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

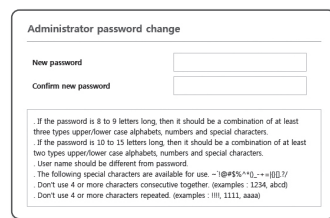
Uma vez que você registrar um dispositivo baseado em IP dinâmico com o servidor DDNS, poderá facilmente verificar o IP alterado quando tentar acessar o dispositivo.

Para registrar o seu dispositivo no servidor <DDNS>, visite <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 login e senha.
Quando aparece a janela de “**Alteração de senha**”, digite a nova senha.

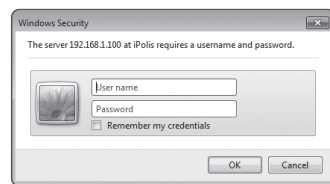
- Para uma nova senha com 8 a 9 dígitos, você deve usar pelo menos 3 dos seguintes: letras maiúsculas/minúsculas, números e caracteres especiais. Para uma senha com 10 a 15 dígitos, você deve usar pelo menos 2 tipos dos mencionados.
 - Caracteres especiais são permitidos: : ~!@#\$%^&*()_+=[]{}.,?/
-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

ESPECIFICAÇÕES DO PLUG-IN DE SUPORTE PARA CADA NAVEGADOR

O plug-in existente do visualizador da web e um visualizador da web com plug-in gratuito estão incorporados juntos.

Isso permite que você use o visualizador web em ambientes de navegador mais recentes que não suportam plug-ins, tais como o Chrome, EDGE e FireFox (apenas Windows 64-bit). Para navegadores que permitem a instalação de plug-ins, tais como IE e Safari, recomenda-se que instale o plug-in.

De acordo com o ambiente do navegador, podem ser observadas as seguinte diferenças.

- **Navegadores Chrome, FireFox(apenas Windows 64-bit), EDGE** : Apesar de não suportarem plug-ins, você pode usar um visualizador da web pois está incorporado um visualizador da web com plug-in gratuito.
- Como o visualizador da web gratuito com plug-in tem um desempenho mais baixo que o plug-in do visualizador da web, ele tem um limite no monitoramento de perfil de alta qualidade e reprodução de vídeos salvos.
Para monitorizar perfil de alta qualidade e reproduzir vídeos salvos, use um visualizador da web com plug-in ou um SmartViewer.
 - Condições de criação do visualizador da web sem plug-in: O perfil selecionado excede MJPEG Full HD 10fps H.265 FullHD 10fps 2Mbps ou superior
 - A característica sem plug-in foi otimizada para o navegador Chrome.
 - Suporta Streaming Adaptável
 - Esta é a característica que reduz automaticamente o perfil se houver um atraso superior a 5 segundos. Foi concebida para prevenir problemas como a latência aumentada e nenhuma resposta do navegador ao reproduzir um vídeo em um sistema com especificações de hardware inferiores ao recomendado.
A sequência de redução de vídeo é a seguinte: 1920*1080(20fps) -> 1280*720(20fps) -> 640*480(20fps).
- **Navegador IE, Safari** : Você pode usar um visualizador da web mesmo se não instalar o visualizador da web com plug-in existente.

- Para monitorizar/reproduzir um vídeo salvo sem problemas, é necessário instalar um plug-in.

INSTALANDO O PLUGIN DO WebViewer

Para acessar o visualizador web com plug-in e reproduzir um vídeo em direto (H.264/H.265) ou um vídeo gravado, será exibida uma mensagem de instalação. Nesse momento você precisa instalar o visualizador web com plug-in para usar a função corretamente.

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



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

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



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

4. Quando é instalada a versão antiga de Web Viewer Plug-in, é exibida uma janela de aviso que diz que a versão antiga será excluída.
Clique em **[Yes]** quando é exibida a janela de aviso.
5. Clique em **[OK]**.
A versão antiga de Web Viewer Plug-in está excluída.
6. Clique em **[Install]** para iniciar a instalação do Web Viewer Plug-in.
7. Clique em **[Finish]**.
A instalação do Plug-in Web Viewer está concluída.

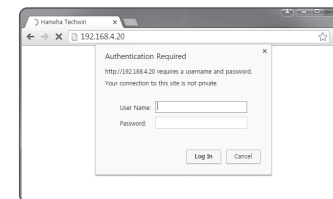


- No seu Internet Explorer, se você precisar passar para a tela de instalação depois de instalar o Plug-in do visualizador Web, verifique se o `webviewer_activeplugin_lib.control` no menu "Ferramenta → Gerenciamento adicional de função" está "ativado". Se não, e se houver um problema persistente, selecione "Ferramentas → Opções de Internet → Geral" e exclua todos os registros de pesquisa.
Se o problema persistir, por favor, registre o IP ou Domínio da sua câmera em "Ferramentas → Opções de Internet → Segurança → Sites confiáveis".

USANDO UM VISUALIZADOR WEB COM PLUG-IN GRATUITO

Apesar de não ser possível instalar plug-ins separadamente, se você acessar à câmera a partir do navegador Google Chrome, Mozilla Firefox ou MS Edge, você pode visualizar e controlar o vídeo da câmera sem instalar plug-ins.

1. Insira o seu nome de usuário e senha para se conectar.
2. Quando estiver conectado aparece uma tela de vista de câmera em direto.



Para definir a câmera

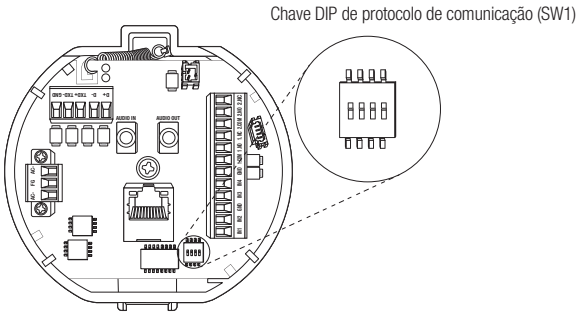
1. Clique no ícone **[Configuração (⚙️)]**.
2. A janela de Configurações é exibida.
3. É possível gerenciar as configurações da informação básica da câmera, PTZ, vídeo e áudio, rede, evento, análise, sistema e abrir plataforma através da rede.
4. Clique em **<Ajuda (❓)>** para visualizar as descrições detalhadas de cada função.

CONFIGURAÇÃO DA CHAVE DIP

Como configurar os protocolos e chaves DIP ID

Você pode controlar várias configurações do sistema da câmera usando as chaves de comunicação e DIP ID. Antes de instalar o produto, configure as chaves DIP de acordo com o ambiente de instalação.

- 1. Configure as chaves de acordo com o ambiente de instalação. Para obter mais informações de configuração mais detalhadas, consulte o quadro na próxima página.
- 2. A câmera pode apresentar problemas de funcionamento se as chaves não estiverem totalmente ligadas/desligadas, clique duas vezes nas chaves antes de finalizar a configuração.
- 3. Tenha cuidado com o interruptor pois pode ser danificado quando operado com ferramenta afiada.
- 4. Tenha cuidado com o interruptor pois pode ser danificado quando operado com força excessiva.



Configurações da chave DIP de protocolo de comunicação (SW1)



Nº PIN SW1	Finalidade
1	Definir o protocolo de transmissão (RS-485)
2	Terminando a configuração 1
3	Terminando a configuração 2
4	Reservado

• Configurações do método de comunicação

Selecione um método de comunicação para a câmera.

	Função	ON	OFF
SW1-#1	Chave do modo de transferência	-	RS-485 (2Wire)

• Configurações de terminal

Para evitar a atenuação dos sinais de comunicação entre a câmera e o controlador, os itens no fim da linha devem ser configurados com as opções do terminal.

Posição de entrada da câmera	SW1-#2	SW1-#3
Terminal do caminho mais longo	ON	ON
No caminho	OFF	OFF

- O valor padrão é sombreado em cada tabela de configuração.
- Para usar um controlador de terceiros com este produto, entre em contato com o serviço pós-venda ou departamento de tecnologia.

FIAÇÃO DA CÂMERA

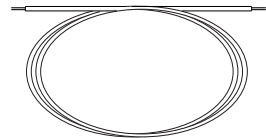
Conexão do sinal de controle

- Comunicação RS-485



Cabo de comunicação

Para que a câmera se comunique com o controlador, é necessário uma linha de comunicação RS-485.



- ! ■ Recomenda-se uma conexão de 30m ou menos.
- O cabo de comunicação não é fornecido com a câmera.

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. - Se a câmera estiver conectada por uma rede PPPoE, o visualizador poderá ser desconectado sob condições precárias 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.

PROBLEMA	SOLUÇÃO
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>.
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.
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2. "Source Code" means a source program, including related comments and documentations, for the T-Kernel and the Ported Source Code defined in Article 2.8 which is registered with T-Engine Forum.
3. "Hardware-dependent Part" means the part of the Source Code which depends on hardware and needs to be changed when the Source Code is ported and operated on the target hardware, and is designated and separated as such part.
4. "Compiler-dependent Part" means the part of the Source Code which depends on compiler and needs to be changed when the Source Code is ported and operated on the target hardware, and is designated and separated as such part.
5. "Header File" means the part of the Source Code which contains definitions necessary to develop application programs.
6. "T-Engine Hardware" means the hardware which is manufactured in accordance with the T-Engine Hardware specifications or the μ T-Engine Hardware specifications issued by T-Engine Forum, and registered with T-Engine Forum.
7. "Similar Hardware to T-Engine Hardware" means any hardware (including software which emulates hardware) other than that defined in Article 2.6 above, on which the T-Kernel can be operated.
8. "Ported Source Code" means a source program produced from the Source Code by modifying only its Hardwaredependent Part and/or Compiler-dependent Part to enable it to be operated on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware. The Ported Source Code which is registered with T-Engine Forum shall be included in the Source Code.
9. "Modified Source Code" means a source program modified from the Source Code for the purpose of improving its performance, increasing or decreasing its function, and the like. The Ported Source Code shall not be included in the Modified Source Code.
10. "Binary Code" means an executable code form which is created by compiling programs, which include all or part of the Source Code or the Modified Source Code.
11. "Derivative Work" means the Modified Source Code or the Binary Code.
12. "Embedded Product" means any product which operates with executable code form of the Source Code, the Modified Source Code or the Binary Code loaded on its hardware.
13. "End User" means a consumer who uses the Embedded Product.
14. "System Developer" means any person who develops the Embedded Product by itself or has a third party develop the same, and provides, whether with or without payment, the End User with the Embedded Product.
15. "Distributor of Modification" means any person who produces the Modified Source Code and, whether with or without payment, distributes the same to any third party.

16. "Patch for Modification" means a difference, program, system, or the like in order to create the Modified Source Code from the Source Code or the Binary Code thereof.

17. "Vicarious Execution of Patch Processing" means vicarious execution service to create the Modified Source Code applying the Patch for Modification to the Source Code or the Binary Code thereof.

18. "Source Code User" means a person who uses the Source Code.

19. "Distribution" means any of the following acts:

1. to transmit a work to a large number of specific persons through the Internet communication, broadcasting, and the like;
2. to transmit a work to the general public through the Internet communication, broadcasting, and the like automatically in response to a request from the public; and
3. to distribute a copy of a work to the general public or a large number of specific persons.

Article 3. Copyright

1. The copyrights of the Source Code shall be owned by Ken Sakamura.

Article 4. License of Source Code

1. As provided for in this Article, T-Engine Forum shall provide, and grant a license to use, the Source Code free of charge to any person who has taken the necessary procedure for registration as prescribed by T-Engine Forum and agreed to the T-License.
2. The Source Code shall be distributed exclusively by T-Engine Forum. Any person who obtains the Source Code under Article 4.1 above shall not make any re-Distribution of the Source Code.
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 2. to run the Source Code provided by T-Engine Forum hereunder for its own research, development and the like.
 3. to run the Source Code modified in accordance with the provision of Article 4.3 (1) above for its own research, development and the like.
 4. to distribute the Binary Code created from the Source Code provided by T-Engine Forum hereunder or from the Source Code modified in accordance with the provision of Article 4.3 (1) above.
4. In accordance with the license granted under Article 4.1 above, the System Developer may perform the following acts:
 1. to perform any and all acts set forth in the Article 4.3 above.
 2. to develop and manufacture the Embedded Product containing the Binary Code, and, whether with or without payment, provide the End User with the same and make the Binary Code available to the End User on the Embedded Product.
5. The Source Code User and the System Developer shall be obligated to give a notice that the Source Code is used, in such a way as separately specified by T-Engine Forum, when they use the Source Code or the Binary Code, or make the Binary Code available for the End User on the Embedded Product.

Article 5. Distribution of Modified Source Code

1. Any of A- members of T-Engine Forum may become the Distributor of Modification by obtaining the approval of T-Engine Forum through the registration procedure as prescribed by the Forum provided that only the department of the A- member which has taken the registration procedure may distribute the Modified Source Code in such a way as provided for in this Article as long as it holds the Amembership.
2. The Distributor of Modification may create the Modified Source Code based on the Source Code provided by T-Engine Forum and the Patch for Modification to be applied to create such Modified Source Code from the Source Code.
3. The Distributor of Modification shall, prior to the distribution, inform T-Engine Forum of and register a name and description of the Modified Source Code in such a way as specified by T-Engine Forum.
4. The Distributor of Modification shall determine the name of the Modified Source Code subject to the rules separately established by T-Engine Forum and publish an appropriate notice as required by the rules on the Patch for Modification and the Modified Source Code.
5. The Distributor of Modification may distribute the Modified Source Code to a third party, whether with or without payment, provided that the Distributor of Modification shall take the necessary measures to prohibit the third party from making the re-Distribution of the Modified Source Code.
6. Developer with the Patch for Modification. Provided, however, that the Distributor of Modification shall be obligated to confirm that the System Developer is the Source Code User duly licensed under Article 4.1.
7. The Distributor of Modification may perform the Vicarious Execution of Patch Processing for the System Developer.
8. The System Developer shall not distribute the Modified Source Code in further modified form to any third party as a stand-alone software product.
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Article 6. Distribution and Registration of the Ported Source Code

1. The Source Code User and the System Developer may, whether with or without charge, distribute to any third party only the following parts of the Ported

Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware:

1. The Hardware-dependent Part and/or Compiler-dependent Part; provided that the Source Code User and the System Developer shall inform T-Engine Forum of, and T-Engine Forum may publish, a method for distributing said Part(s) to third parties.
2. The Header File; provided that the Header File shall be distributed together with the Binary Code of the Ported Source Code.
2. Any member of T-Engine Forum may request T-Engine Forum to register and distribute, as an original source code for T-Kernel, the Ported Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.
3. Any member of T-Engine Forum who requests the distribution mentioned in the preceding paragraph shall accede to the following conditions:
 1. The member shall confirm that the object hardware is the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.
 2. The member shall provide T-Engine Forum with a complete set of operational environment for the object hardware and T-Kernel free of charge when requesting the distribution.
 3. The member shall submit test results of the Ported Source Code to T-Engine Forum when requesting the distribution.
4. In the event that T-Engine Forum accepts the request mentioned in Article 6.2, T-Engine Forum shall register and distribute the Ported Source Code as the Source Code for T-Kernel. Provided, however, that the Ported Source Code may be treated in the same way as the Modified Source Code until the time of registration hereunder.
5. The provision set forth in Article 3 shall apply to the Ported Source Code registered in accordance with this Article.

Article 7. Use for Other Purpose

1. Any use of the Source Code, the Modified Source Code or the Ported Source Code other than those stipulated in Articles 4, 5 and 6 shall be subject to the prior approval of T-Engine Forum.

Article 8. Limited Warranty

1. T-Engine Forum and the copyright holder of the Source Code warrant that the Source Code does not infringe third party's copyrights. Provided, however, that T-Engine Forum and the copyright holder of the Source Code make no warranty as to the Hardware-dependent Part and/or Compiler- dependent Part set forth in Article 6.2 in the Ported Source Code by any third party.
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3. Any legal dispute which may arise in relation to any breach of this License Agreement shall be subject to the exclusive jurisdiction of the Tokyo District Court.

Article 11. Governing Law and Language

1. This License Agreement shall be governed by and interpreted under the laws of Japan.
2. This License Agreement is executed in both Japanese text and English text provided that the Japanese text shall govern the interpretation and performance of this License Agreement.

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Julian Seward, jseward@bzip.org

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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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