

CÂMARA DE REDE

Manual do usuário

XNP-6550RH



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 electricista para trocar a tomada inadequada.
10. O cabo de alimentação deve ser posicionado de maneira que não seja deformado nem comprimido, especialmente nos plugues, em tomadas elétricas e nos pontos de saída do leitor.
11. Utilize apenas conexões / acessórios especificados pelo fabricante.
12. Utilize apenas carrinhos, bases, tripés, suportes ou mesas especificados pelo fabricante ou vendidos com o leitor. Ao utilizar um carrinho, tenha cuidado ao deslocá-lo com o leitor, para evitar ferimentos caso tombem.
13. Desligue este leitor da tomada durante tempestades com raios ou quando não for utilizá-lo por um longo período.
14. Todos os serviços de manutenção devem ser executados por técnicos qualificados.
A manutenção será necessária quando o leitor for danificado de alguma forma, como danos ao cabo de alimentação ou plugue, derramamento de líquidos ou queda de objetos sobre o leitor, exposição à chuva ou umidade, mau funcionamento ou queda.
15. Esse produto tem o objetivo de ser fornecido com uma Unidade de fonte de alimentação marcada com "Classe 2" ou "LPS", e classificada de 24 Vac (50/60 Hz) min. 4,9 A ou PoE, 1,15 A.
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 ligação" no manual do usuário.
20. Instalar ou usar o produto na água pode causar danos sérios no produto.
21. Se o seu produto funciona normal, o grau de precisão predefinido é de 0,2. No caso de ser reiniciado por causa de falta de energia, atualização de firmware, etc., sua tolerância pode ter sido ajustada após a verificação por alterações na Configuração de predefinição.



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.

Arraste o mouse para selecionar uma área para ampliar o zoom.

Dispositivo de desconexão

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

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

CUIDADO

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

O terminal 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.

VISÃO GERAL

3

- 3 Instruções Importantes de Segurança
- 6 Especificações Recomendadas para PC
- 6 Especificações de Cartão de Memória Micro SD/SDHC/SDXC
- 6 Especificações recomendadas por NAS
- 7 Itens Fornecidos
- 8 Informações resumidas

INSTALAÇÃO E CONEXÃO

10

- 10 Instalação
- 14 Conectando a Outro Dispositivo

CONEXÃO E CONFIGURAÇÃO DE REDE

17

- 17 Conectando a Câmera Diretamente à Rede Local
- 17 Conectando a Câmera Diretamente a um DHCP com Base no Modem DSL/Cabo
- 18 Usar o Device Manager
- 18 Configurando projetos
- 18 Pesquisar a câmera automaticamente
- 18 Configurar o endereço IP
- 20 Registrar a câmera manualmente
- 20 Configurar IP automaticamente
- 20 Configuração do Avanço da Faixa da Porta (Mapeamento de Porta)
- 21 Conectando à Câmera a Partir de um PC Local Compartilhado
- 21 Conectando à Câmera a Partir de um PC Remoto Por Meio da Internet

VISUALIZADOR DA WEB

22

- 22 Conectando à Câmera
- 23 Configuração de senha
- 23 Login
- 23 Configuração da visualização on-line da câmera

APÊNDICE

24

- 24 Especificações
- 26 Exibição do Produto
- 27 Solução de Problemas
- 28 Open Source Announcement

ESPECIFICAÇÕES RECOMENDADAS PARA PC

- CPU : Intel(R) Core(TM) i7 3,4 GHz ou superior
- RAM : 8Gb ou superior
- SO suportado : MS Windows, Mac OS X
- Navegador recomendado: Google Chrome
Navegadores suportados: MS Explorer, MS Edge, Mozilla Firefox (apenas Windows 64bit), Apple Safari (apenas Mac OSX)

※ Consulte o apêndice para informações detalhadas sobre sistemas operativos e navegadores verificados.

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
NAS Netgear	Um máximo de 16 câmeras podem acessar simultaneamente.
NAS Synology	Um máximo de 16 câmeras podem acessar simultaneamente.



- Quando você usar o equipamento Netgear da NAS, não atribua a capacidade de uso.
- Se usar o equipamento da NAS para outros fins que não salvar vídeo, o número de câmeras acessíveis pode ser reduzido.

ITENS FORNECIDOS

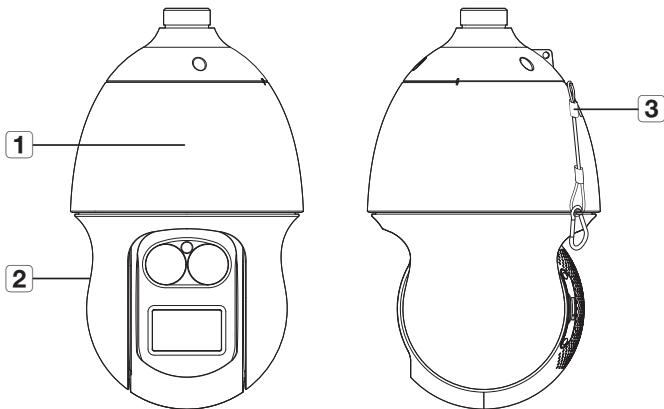
Verifique se sua câmera e os acessórios estão inclusos no pacote do produto.
(Dado que para cada país de vendas, os acessórios não são os mesmos.)

Aparência	Nome do item	Quantidade	Descrição
	Corpo Principal	1	
	Guia de consulta rápida (Opcional)	1	
	Cartão de garantia (Opcional)	1	
	Injetor de HPoE ※ Incluído apenas com o modelo XNP-6550RH/(*US, *EU, *JP)	1	Conexões de fonte de alimentação e rede
	Cabo de alimentação ※ Incluído apenas com o modelo XNP-6550RH/(*US, *EU, *JP)	1	Conexões para HPoE
	Cabo do monitor de teste	1	Usado para testar a conexão da câmera a um dispositivo de exibição portátil
	Conector áudio/RS-485	1	Usado para áudio e conexão RS-485
	Parafuso sextavado	3	Usado para unir a base de instalação à câmera.
	Chave inglesa L	1	Usado para fixar a base de instalação após anexá-la à câmera.

Aparência	Nome do item	Quantidade	Descrição
	Base de instalação	1	Suporte para instalação do produto
	Acessório de impermeabilização	1	Instale e use onde houver unidade elevada.

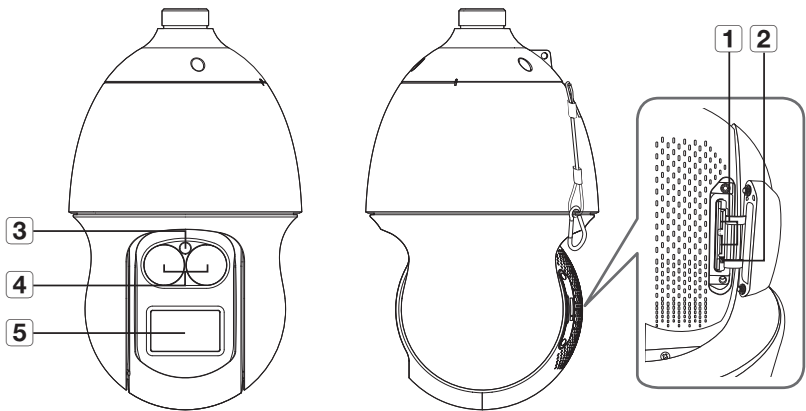
INFORMAÇÕES RESUMIDAS

Aparência



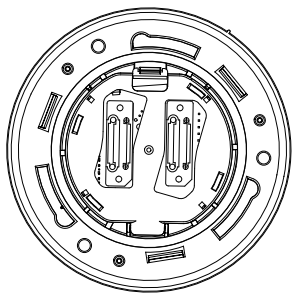
Item	Descrição
1 Unidade principal	Proteger o mecanismo PTZ interno da luz solar direta, chuva ou impacto externo.
2 Tampa de Proteção	Tampa de proteção para proteção da lente e da unidade.
3 Cabo de Segurança	O cabo evita que o produto caia durante a instalação.

Parte interior

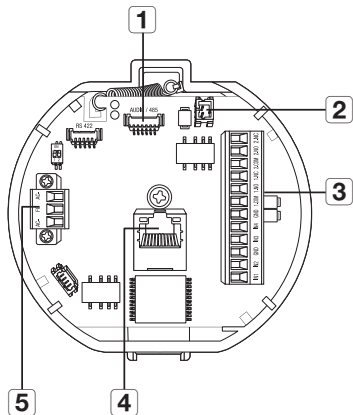


Item	Descrição
1 Compartimento para cartão de memória Micro SD	Compartimento para cartão de memória Micro SD. ☒ Consulte <Inserindo/removendo um cartão de memória Micro SD> para a posição de introdução do cartão de memória Micro SD. (página 10)
2 Botão Reset	O botão restaura todas as configurações da 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.
3 Sensor de iluminação	Detecta a luz de entrada para controlar o LED de IV.
4 LED de IV	Esses LEDs de infravermelho são controlados pelo sensor de iluminação.
5 Lente	Lentes da câmera.

Visão inferior da base de instalação



Visão interna da base de instalação



Item	Descrição
1 Conector áudio/RS-485	Esse é um terminal para conectar áudio e cabos RS-485.
2 Porta de saída de vídeo	Porta de saída de vídeo analógico. (para instalação)
3 Porta de E/S de alarme	Usada para conectar o cabo E/S do alarme.
4 Conexões de rede	Porta para conexão com a rede usando um cabo Ethernet.
5 Porta de alimentação	Usada para conectar a energia.

INSTALAÇÃO

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- Esta camara 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 câmera:

- Selecione um local de instalação que possa suportar pelo menos 5 vezes o peso da câmera.
- 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 câmera devido a avaria.
Forçar a montagem usando ferramentas incompatíveis pode danificar o produto.

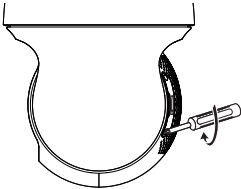
Insira o cartão de memória Micro SD

1.

Soltar dois parafusos do suporte da base SD virando-os no sentido anti-horário usando a chave.

- !

- Desconecte o cabo de alimentação da câmera antes de inserir 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.
 - Ao instalar/remover o cartão de memória Micro SD, verifique se você colocou o corpo do produto em uma superfície lisa antes de trabalhar com ele, para evitar acidentes devido à perda de peças que se soltam.
 - Não remover completamente os parafusos.



2.

Alcance o suporte da base SD e empurre o cartão de memória Micro SD na direção da seta, como exibido na imagem.

- !

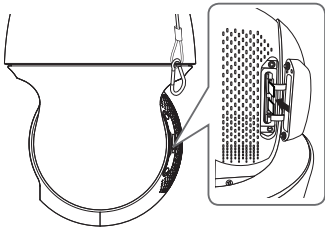
- Não force para inseri-lo no sentido inverso. Isso pode danificar seu cartão de memória Micro SD e o produto.

3.

Monte a câmera na ordem inversa da desmontagem após inserir o cartão de memória Micro SD.

- !

- Aperte os parafusos ao montar o corpo da câmera, a cobertura de proteção e o suporte da base SD para evitar que ocorra a penetração de mistura.

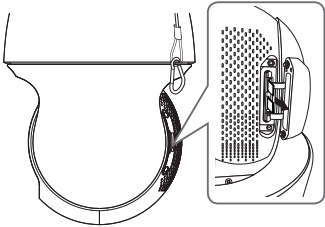


Remove o cartão de memória Micro SD

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

- !

- 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.



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

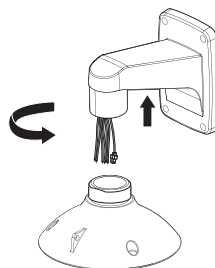
Modelo	Item
SBP-300WM1	Montagem em parede
SBP-300WM	
SBP-300CM	Montagem no teto
SBP-300LM	Montagem no parapeito
SBP-300KM	Montagem no canto
SBP-300PM	Montagem em poste

- Consulte "Acessórios opcionais para instalação" para conhecer a aparência de cada suporte (não fornecidos). (página 13)

Instalação em montagem na parede

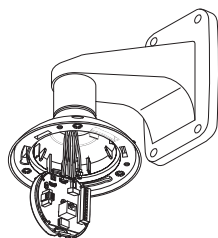
■ Fixe a base de instalação com o suporte

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



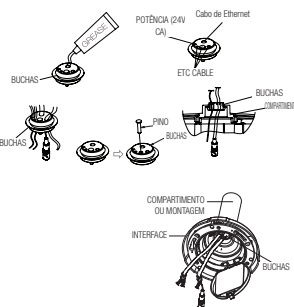
2. Conforme mostrado na ilustração abaixo, pressione gentilmente e levante a alça da porta articulada na parte inferior da base de instalação: Consulte o "Placa de interface de cabeamento da câmera" na página 14 conecte os cabos.

- ! ■ 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.

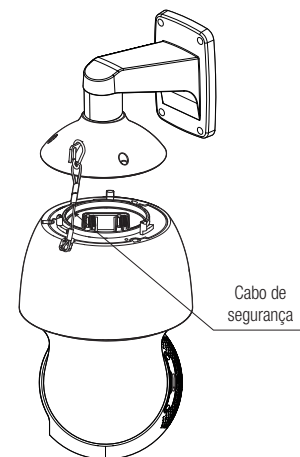


- ☑ Verificar o método de conexão do cabo e instalar.

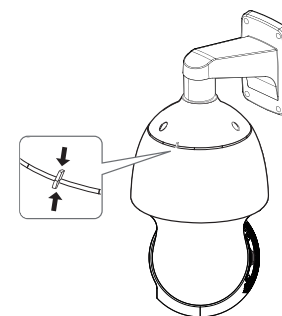
- Observe que **BUCHAS** são fornecidas para as instalações externas, em que há exposição à umidade pelo **TUBO** ou **MONTAGEM**. Instale o **COMPARTIMENTO** utilizando as **BUCHAS** para evitar a entrada de umidade.
- Aplique graxa em dose apropriada na **BUCHA** antes da montagem e passe os cabos 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 fi gura abaixo. No momento, aplique pressão uniforme às **BUCHAS** para fi xá-las bem no **COMPARTIMENTO**, conforme mostra a fi gura.



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

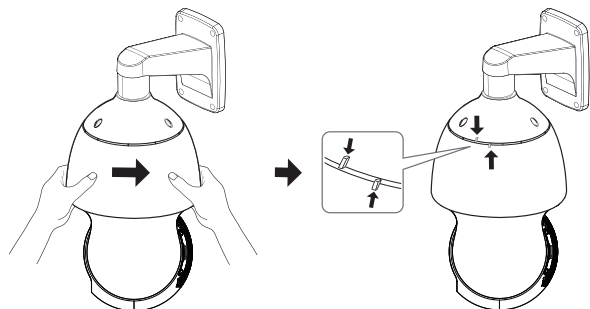


4. Monte a câmera e a base de instalação
Monte a câmera e a base de instalação seguindo os guias de direcionamento da instalação.



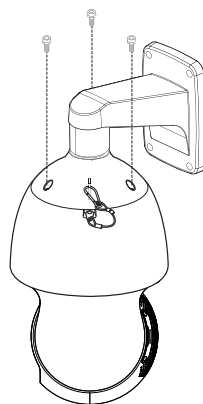
5. Acoplamento da câmera

Gire o corpo principal da câmera para a direita para posicionar a marca de referência na seção superior e na seção inferior, como é mostrado na figura.



6. Fixe a câmera e a base de instalação

Como mostrado na ilustração abaixo, fixe a base de instalação e a câmera usando 3 parafusos sextavados.



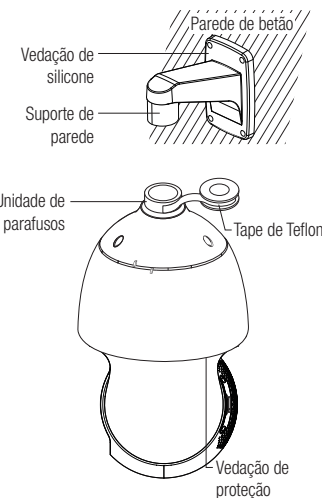
Notas para Impermeabilização

Este modelo é um produto integrado com carcaça para instalação em exteriores.

■ Ao combinar o corpo principal e suporte de parede para instalação na parede

1. Instale o suporte de parede em parede vertical. Se for instalada em parede inclinada, a umidade pode penetrar no interior do corpo principal através do cabo externo.
2. Envolver a parte dos parafusos da carcaça com uma quantidade suficiente de tape de Teflon para montagem.
3. Certifique-se que a vedação não é desmontada da tampa de proteção quando a tampa de proteção for separada e montada no corpo da carcaça.
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.

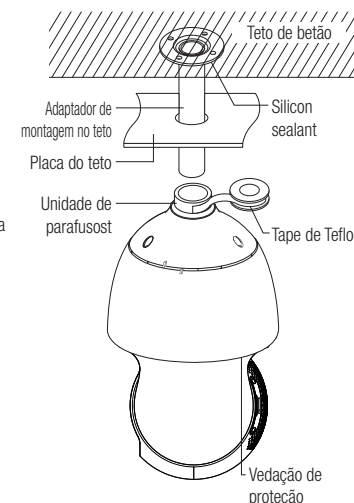
! Tome cuidado especial para garantir que existe vedação adequada se a superfície de instalação não for plana.



■ Ao combinar o corpo principal e adaptador de suporte de teto para instalação em parede

1. Envolver a parte dos parafusos da carcaça com uma quantidade suficiente de tape de Teflon para montagem.
2. Certifique-se que a vedação não é desmontada da tampa de proteção quando a tampa de proteção for separada e montada no corpo da carcaça.
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.

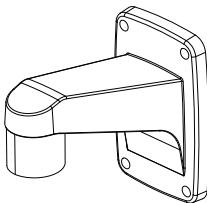


Acessórios opcionais para instalação

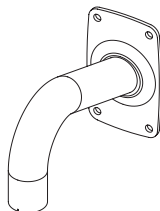
Para uma instalação fácil, você pode adquirir os acessórios opcionais apropriados disponíveis.

1. Se a instalação da câmera for na parede

- Montagem em parede (SBP-300WM1)

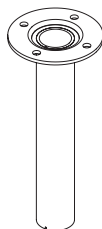


- Montagem em parede (SBP-300WM)



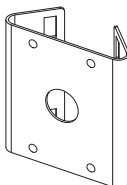
2. Se a instalação da câmera for no teto

- Montagem no teto (SBP-300CM)



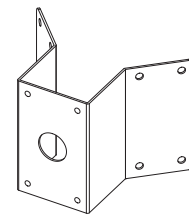
3. Se a instalação usar o suporte de parede (SBP-300WM/SBP-300WM1) em um cilindro com comprimento de, pelo menos, 80mm.

- Montagem em poste (SBP-300PM)



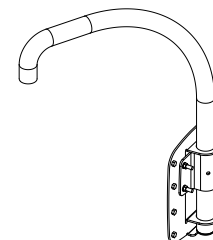
4. Se a instalação usar o suporte de parede (SBP-300WM /SBP-300WM1) em um canto da parede.

- Montagem no canto (SBP-300KM)

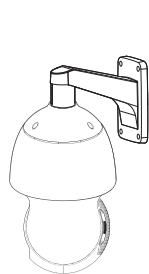


5. Se a instalação for no telhado de um edifício

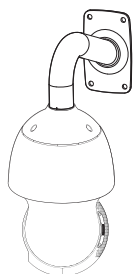
- Montagem no parapeito (SBP-300LM)



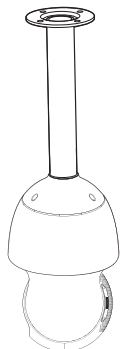
▪ Junta de Montagem



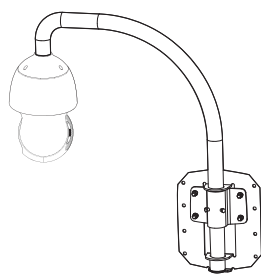
Wall mount (SBP-300WM1)



Wall mount (SBP-300WM)



Ceiling Mount (SBP-300CM)

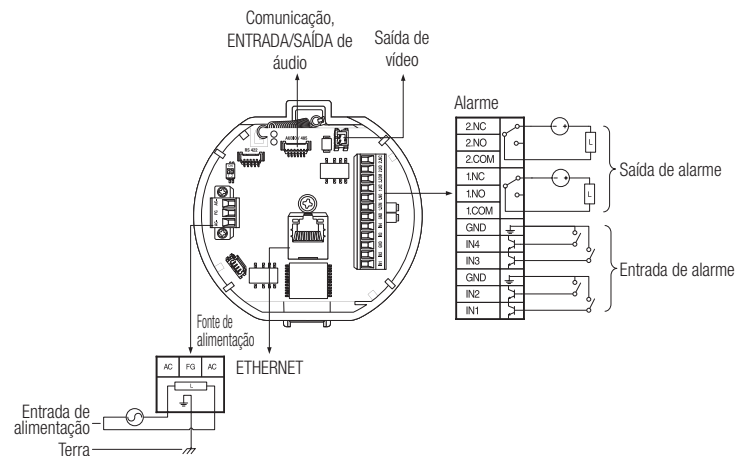


Parapet Mount (SBP-300LM)

CONECTANDO A OUTRO DISPOSITIVO

Placa de interface de cabeamento da câmera

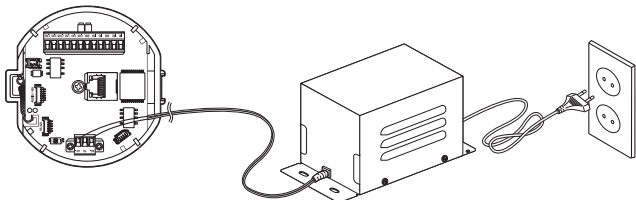
Para cabeamento da câmera, consulte a ilustração abaixo.



- 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.

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	Consumo de energia
24VCA	22VCA ~ 26VCA	6 A

- O produto não pode ser usado a temperatura ambiente de -50°C ou inferior.
- O produto pode não descongelar dependendo da área de instalação a -50°C.
- Após o produto ser deixado sozinho em um ambiente de baixa temperatura, demora até 2 horas para operar normalmente.
- A velocidade de zoom do graduador de luz IV pode retardar em temperatura ambiente de -40°C ou inferior.
- Se o produto for ligado após ter sido exposto a temperatura ambiente de -20°C ou inferior durante algum tempo, redefina a hora.
- Se você deseja conectar um dispositivo externo, você deve desligá-lo antes de continuar.

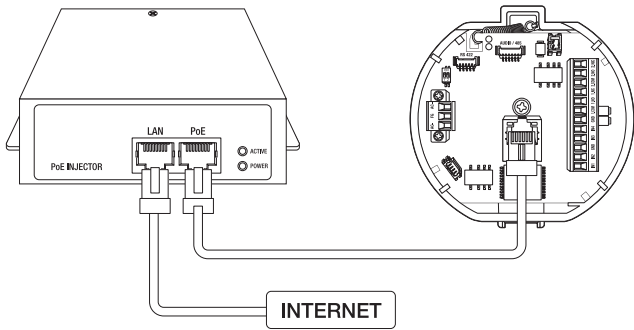
Especificação do cabo de alimentação

No caso de Entrada 24V CA:

Tipo de fio (AWG)	#16	#14
Comprimento do cabo (Máx.)	14m	23m

Conexão Ethernet

Conecte o cabo Ethernet à rede local ou à Internet.



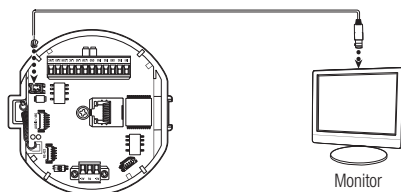
- Por favor, use um adaptador compatível apropriado para a energia do dispositivo.

Especificação do Cabo de Rede

Item	Conteúdos	Comentário
Conector	RJ45 (10/100BASE-T)	
Ethernet	10/100BASE-T	
Cabo	Categoria 5e UTP	
Distância Máxima	100M	Resistência DC ≤ 0.125 Ω/m
Suporte HPoE	HPoE	

Conexão do monitor de instalação

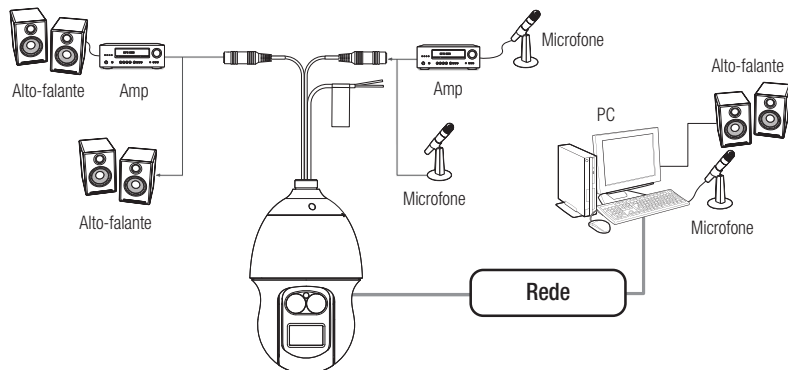
Conecte o cabo ao terminal de saída de vídeo traseiro da câmera ao terminal de entrada de vídeo do monitor.



- 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.

Conectando à entrada/saída de áudio



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

• Codec de áudio

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

• Áudio full duplex

- **Entrada de áudio** : Seleccionável (microfone/Linha de entrada), Tensão suportada: 2,5VCC (4mA), Impedância de entrada: 2K Ohm

- **Saída de áudio**: Linha de saída (3,5mm tomada mono), Saída máxima: 1Vms

- **Impedância de saída de linha** : 600Ω

Fiação da Câmera

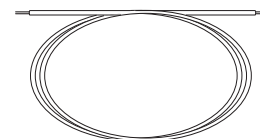
Conexão do sinal de controle

- Comunicação RS-485



Cabo de comunicação

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



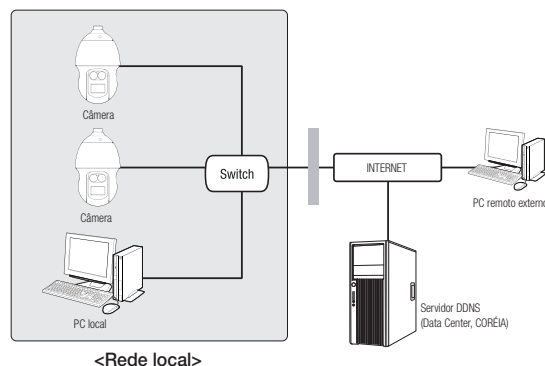
- !**
- Recomenda-se uma conexão de 30m ou menos.
 - O cabo de comunicação não é fornecido com a câmera.

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

CONECTANDO A CÂMERA DIRETAMENTE À REDE LOCAL

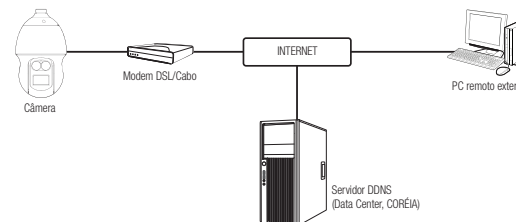
Conectando a câmera a partir de um PC local na LAN

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 18)

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



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

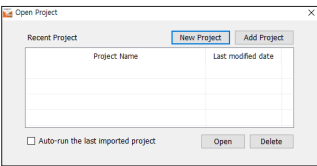
- Para informação sobre como definir o DDNS, consulte a ajuda online do Visualizador Web.
- Para informação sobre como definir o formato de IP, consulte a ajuda online do Visualizador Web.

USAR O DEVICE MANAGER

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

CONFIGURANDO PROJETOS

Você pode salvar e importar câmeras para cada projeto. Para criar um novo projeto, defina o nome do projeto e uma senha. Você precisa digitar uma senha para executar o projeto criado.



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>, 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

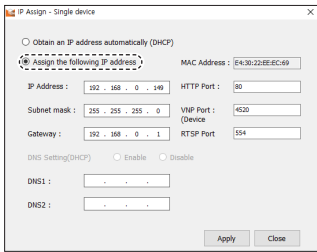
Se você quiser alterar as configurações de rede da câmera, o aviso <Login OK> deve ser exibido em <Status>. Clique em <Credential>, na página inicial, para fazer o login.

Configurar o IP estático

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

Ao configurar uma câmera

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



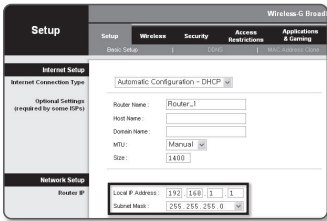
Se não estiver usando um Roteador de banda larga

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 20)

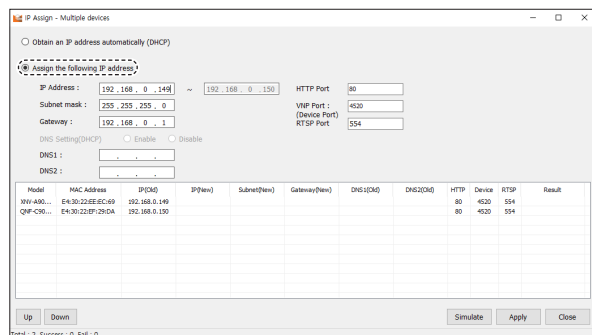
Se o Roteador de banda larga tiver mais de uma câmera conectada

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://192.168.1.100:8080>
5. Clique no botão [Apply].
 6. Se aparecer a mensagem de êxito, clique em [OK].

Ao configurar várias câmeras



1. Na lista, clique na câmera para a qual você deseja alterar a configuração de IP.
2. Clique em <IP Assign>, na página inicial do Device Manager.
3. Selecione <Assign the following IP address>.
4. Insira o endereço inicial do intervalo de endereços IP a ser atribuído.
5. Clique no botão [Simulate] para verificar o endereço IP a ser atribuído a cada equipamento.
 - Você pode alterar cada endereço ao clicar duas vezes no item do endereço IP.
6. Clique no botão [Apply] para iniciar a atribuição de IP.
7. Verifique o sucesso da atribuição de IP através do item <Result>.

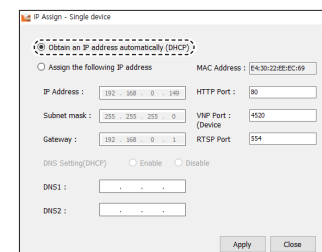
Configurar o IP dinâmico

Obtenha o endereço IP no DHCP

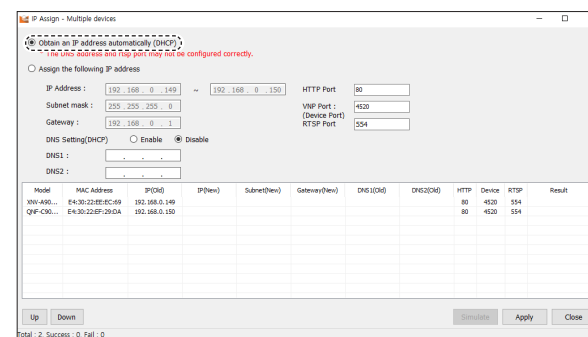
- Exemplo do ambiente de IP dinâmico
 - Se um Roteador de banda larga, com câmeras conectadas, estiver designado a um endereço IP pelo Servidor DHCP
 - Se estiver conectando a câmera diretamente ao modem usando os protocolos DHCP
 - Se os IPs estiverem designados ao servidor DHCP interno através da LAN

Ao configurar uma câmera

1. Na lista, clique na câmera para a qual você deseja alterar a configuração de IP.
2. Clique em <IP Assign>, na página inicial do Device Manager.
3. Selecione <Obtain an IP address automatically (DHCP)>.
4. Clique no botão [Apply].
5. Se aparecer a mensagem de êxito, clique em [OK].



Ao configurar várias câmeras

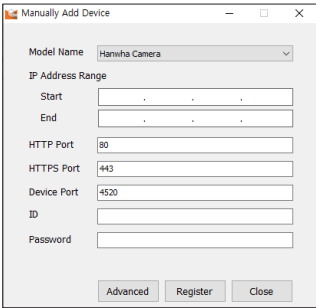


1. Na lista, clique na câmera para a qual você deseja alterar a configuração de IP.
2. Clique em <IP Assign>, na página inicial do Device Manager.
3. Selecione <Obtain an IP address automatically (DHCP)>.
4. Clique no botão [Apply] para iniciar a atribuição de IP.
5. Verifique o sucesso da atribuição de IP através do item <Result>.

REGISTRAR A CÂMERA MANUALMENTE

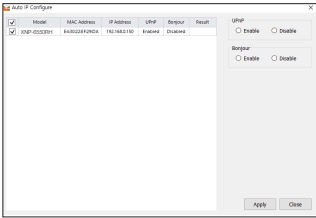
Se a câmera não for encontrada por meio da função de pesquisa, ela pode ser registrada remotamente, por meio do preenchimento manual das informações de IP, caso a câmera esteja conectada a uma rede externa.

- 1. Clique em <Add Devices> – <Manually Add Device>, na página inicial do Device Manager.
- 2. Defina o intervalo do endereço IP pesquisado.
- 3. Selecione o <Model Name> da câmera que deseja registrar, e preencha as informações de porta HTTP, de porta HTTPS, ID e senha.
- 4. Clique no botão [Register].
- 5. Confirme se a câmera está registrada.
 - Marque o endereço MAC no adesivo junto à câmera.



CONFIGURAR IP AUTOMATICAMENTE

- 1. Na lista, clique na câmera para a qual você deseja configurar automaticamente o IP.
- 2. Clique em < + >, na página inicial do Device Manager.
 - O menu Configuração do equipamento é exibido.
- 3. No menu, clique em <Auto IP Configure>.
- 4. Para usar os protocolos <UPnP> ou <Bonjour>, selecione <Enable> e clique no botão [Apply].

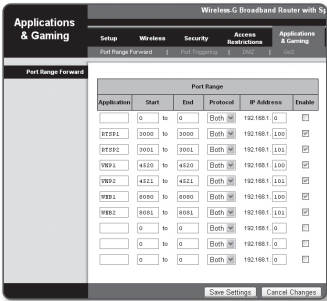


CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

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.

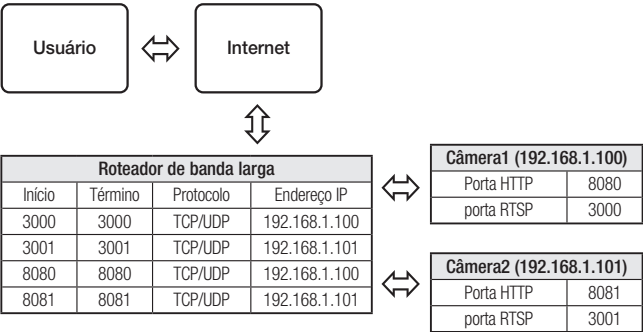


- A configuração de encaminhamento de porta é um exemplo de configuração do roteador de IP CISCO.
- As configurações podem ser diferentes dependendo do modelo do Roteador de banda larga conectado. Para obter mais informações, consulte o manual do usuário do roteador aplicável.

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. Selecione o projeto desejado, então clique no botão [Open].
3. Digitar a senha exibirá a lista de câmeras no projeto.
4. 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.

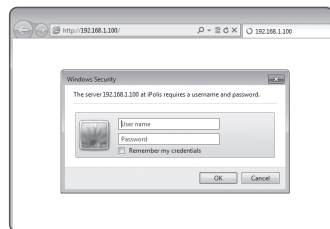
1. Antes de acessar uma câmera na rede do Roteador de banda larga, você deve ter configurado o avanço de faixa de porta para o Roteador de banda larga.
2. No PC remoto, ative o navegador da Internet e digite o endereço de URL DDNS da câmera ou o endereço IP do Roteador de banda larga na barra de endereço.
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 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 usar o protocolo UPnP ou Bonjour, consulte “Configurar IP automaticamente”.

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 <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.

ESPECIFICAÇÕES

Itens		Descrição
Video	Dispositivo de imagem	1/2.8" 2.16M CMOS
	Total de pixels	1945(H) X 1109(V), 2.16M pixels
	Pixels efetivos	1945(H) X 1097(V), 2.13M pixels
	Sistema de procura	Rastreamento Progressivo
	Iluminação mín.	Cor : 0.02 Lux (1/30seg, F1.6) Preto-e-branco : 0.002 Lux (1/30seg, F1.6) 0 Lux (LED de Infravermelhos ligado)
	Relação de S/R	50dB
	Saída de vídeo	CVBS : 1.0 Vp-p / 75Ω composto, 720x480(N), 720x576(P), para instalação
Lente	Distância focal (Taxa de zoom)	4.75mm ~ 261.4mm (55x)
	Taxa de abertura máx.	F1.6 (Grande angular) ~ F6.5 (Telefoco)
	Campo angular de visão	H : 58.6°(Grande angular) ~ 1.23°(Telefoco) / V : 34.8°(Grande angular) ~ 0.71°(Telefoco)
	Distância mínima do objeto	5m
	Controle de foco	AF / AF de Um Disparo / Manual
	Tipo de lente	Automática DC
	Tipo de montagem	Tipo integrado na placa
	Velocidade de movimento do zoom	Aproximadamente 5 seg (wide para tele)
Panorâmica/ inclinação/rotação	Faixa de panorâmica	360°sem fim
	Velocidade de panorâmica	Predefinição : 400°/s, Manual : 0,024°/s a 250°/s
	Faixa de inclinação	95°(-5° ~ 90°)
	Velocidade de inclinação	Predefinição : 250°/s, Manual : 0,024°/s a 250°/s
	Sequência	Predefinido (300ea), Oscilação, Grupo (6ea), Rastreamento, Percurso, Operação automática, Horário
	Precisão da predefinição	±0,2°
	Azimute	Sim (E/W/S/N/NE/NW/SE/SW OSD)
	Rastreamento automático	Desl. / Lig.

Itens		Descrição
Operacional	Comprimento visível	500m
	Título da câmara	Desl. / Lig. (85 caracteres exibidos) - W/W : Caracteres Ingleses/Numéricos/Especiais - Comum : Linhas Múltiplas (Máx. 5), Cor (Cinza/Verde/Vermelho/Azul/Preto/Branco), Transparência, Escala Automática por Resolução
	Dia/Noite	Automático (ICR)/colorido/preto-e-branco
	Compensação de luz de fundo	Desl. / BLC / HLC / WDR
	Faixa dinâmica ampla	120dB
	Aprimoramento de contraste	SSDR (Desl. / Lig.)
	Redução de ruído digital	SSNR5 (Filtro de ruído 2D+3D) (Desl. / Lig.)
	Estabilização de imagem digital	Desligado/Ligado (giroscópio embutido)
	Desembaciador (Optical)	Automático / Manual / Desl.
	Deteccção de movimento	Sim (Zonas polígono 8ea)
	Máscara de privacidade	Ligado / Desligado (24 zonas da zona de retângulo) - Cor: Cinza/Verde/Vermelho/Azul/Preto/Branco - Opção de taxa de zoom para o modo de máscara - Opção mosaico
	Controle de ganho	Desl. / Baixo / Médio / Alto
	Equilíbrio de branco	ATW / AWC / Manual / Interior / Exterior / Mercúrio / Sódio
	Velocidade do obturador eletrónico	Mínimo / Máximo / Anti cintilação (2 ~ 1/12,000seg)
	Zoom digital	32x, função de área de zoom, zoom de suporte digital 2x
	Rodar Imagem	Inverter / Espelho : Liga/Desliga
	Análise de vídeo inteligente	Adulteração, Passeantes, Deteção direcional, Linha virtual, Entrando/Saindo, Aparecer/Desaparecer, Deteção de áudio, Deteção de face, Deteção de neveiro, Classificação do som
	E/S de alarme	Entrada 4ea / Saída 2ea (Tipo de dispositivo de transmissão de sinais)
	Interface de controle remoto	RS-485
	Protocolo RS-485	Samsung-T, Pelco-D/P, Panasonic, Honeywell, AD, Vicon, GE, BOSCH
	Acionadores de alarme	Entrada de alarme, Deteccção de movimento, Análise de vídeo inteligente, Desconexão da rede

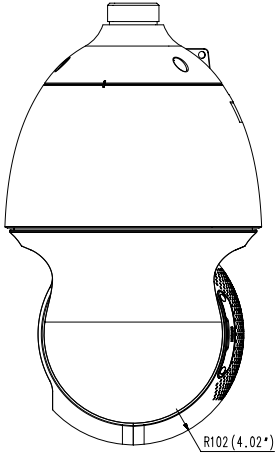
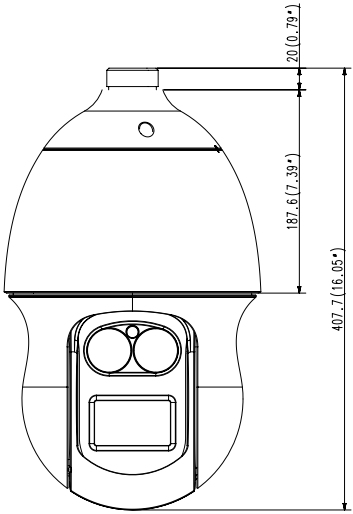
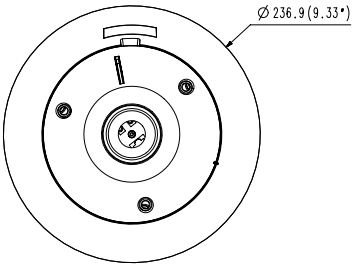
Itens		Descrição
Operacional	Eventos de alarme	• Upload de arquivos via FTP, E-Mail • Notificação via E-Mail • Armazenamento local (SD/SDHC/SDXC) ou gravação NAS em Evento (Acionadores de Alarme) • Saída externa • Predefinição PTZ
	Entrada de Áudio	Nível máximo de saída de (Microfone de entrada/ Linha de entrada) Tensão de alimentação: 2,5 VDC (4 mA), Impedância de entrada: aprox. 2K Ohm
	Saída de Áudio	Linha de saída (mini-ficha estéreo de 3,5mm), Nível máximo de saída: 1Vrms
	Contagem de pixels	Suporte
Rede	Ethernet	RJ-45 (10/100BASE-T) SFP (*somente usando SBP-303HF)
	Formato de compressão de vídeo	H.265/H.264 (MPEG-4 Parte 10/AVC) : Principal/Base/Alta, Movimento JPEG
	Resolução	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
	Taxa máxima de quadros	H.265/H.264 : Max. 60fps em todas as resoluções Movimento JPEG: Max. 30fps em todas as resoluções
	Smart Codec	Modo Manual (com base na área: 5EA)
	WiseStream II	Suporte
	Ajuste da qualidade de vídeo	H.264/H.265/MJPEG : Controle de nível de taxa de bits
	Método de controle de taxa de bits	H.264/H.265 : CBR ou VBR MJPEG : VBR
	Capacidade de fluxo	Fluxo múltiplo (até 10 perfis)
	Formato de compressão do áudio	G.711 u-law /G.726 Seleccionável G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC : 48Kbps a 16KHz
	Audio Communication	Bidirecional

Itens		Descrição
Rede	IP	IPv4, IPv6
	Protocolo	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
	Segurança	Autenticação de login HTTPS(SSL) Autenticação de login Digest Filtragem de endereço IP Registro de acesso do usuário Método de autenticação 802.1x (EAP-TLS, EAP-LEAP)
	Método de fluxo	Unicast / Multicast
	Acesso máx. de usuários	20 usuários no modo Unicast
	Armazenamento local em cartão	Micro SD/SDHC/SDXC 2 slot (até 512 GB) - Gravação contínua (1º slot para 2º slot) - Imagens em movimento gravadas no cartão de memória Micro SD/SDHC/SDXC para serem baixadas NAS (Network Attached Storage - Armazenamento de Rede Anexado) PC Local para Gravação Instantânea
	Interface de Programação do Aplicativo	ONVIF Profile S/G SUNAPI 2.0(HTTP API) Plataforma aberta WiseNet
	Idioma da página da Web	Inglês, Francês, Alemão, Espanhol, Italiano, Chinês, Coreano, Russo, Japonês, Sueco, Português, Tcheco, Polonês, Turco, Holandês, Húngaro, Grego
	Visualizador da Web	SO suportado : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 Navegador recomendado: Google Chrome Navegador compatível : IE11, MS Edge, Mozilla Firefox (apenas Windows 64bit), Apple Safari 10 (Apenas Mac OS X)
	Software de gerenciamento central	SmartViewer

Itens	Descrição
Condições ambientais	Temperatura / umidade operacional 24V CA : -50°C ~ +55°C (-58°F ~ +131°F) / Menos de 90% UR HPoE : -40°C ~ +55°C (-40°F ~ +131°F) / Menos de 90% UR * No arranque deve ser feito acima de -30°C (HPoE Mode)
	Temperatura / Umidade de armazenamento -50°C ~ +60°C (-58°F ~ +140°F) / Menos de 90% UR
	Proteção de ingresso IP66
	Resistência a vandalismo IK10
Elétrica	Tensão/corrente de entrada 24V CA / HPoE
	Consumo de energia 24V CA : 92W HPoE : 60W
Mecânica	Cor/material Preto(cabeça) + Marfim(corpo) / alumínio, plástico
	Dimensões (Ø x A) Ø236,9 x A407.7 mm
	Peso 7.2kg

EXIBIÇÃO DO PRODUTO

Unidade: mm (polegadas)



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

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If you want to obtain the complete Corresponding Source code in the physical medium such as CD-ROM, the cost of physically performing source distribution might be charged.

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	
mtdev-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdev-utlis
mtdev-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	
zerocool	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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Version 2, June 1991

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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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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.

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Julian Seward, jseward@bzip.org

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iperf performance test

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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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