

CÂMARA DE REDE

Manual do usuário

QNV-6023R/QNV-6024RM



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. Esse produto tem o objetivo de ser fornecido com uma unidade de fonte de alimentação marcada com "Classe 2" ou "LPS" e classificada de PoE(48V), 0,14A.
16. Este produto tem o objetivo de ser fornecido com energia de isolamento.
17. Se você usar força excessiva ao instalar o produto, a câmera pode ficar danificada e avariada.
Você pode danificar o produtos ao instalá-lo à força, usando ferramentas incompatíveis.
18. Não instale o produto em um local onde existem ou podem ser geradas substâncias químicas ou névoa de óleo. Como os óleos comestíveis como óleo de soja podem danificar ou deformar o produto, não instale o produto na cozinha ou perto da mesa da cozinha.
Isso pode danificar o produto.
19. Ao instalar o produto, tenha cuidado para não permitir que a superfície do produto seja manchada com alguma substância química.
Alguns solventes químicos tais como purificadores ou adesivos podem causar danos na superfície do produto.
20. Se você instalar/desmontar o produto de uma forma que não a recomendada, as funções de produção/desempenho não podem ser garantidas.
Instale o produto consultando "Instalação e conexão" no manual do usuário.
21. Instalar ou usar o produto na água pode causar danos sérios no produto.



AVISO

PARA REDUZIR O RISCO DE INCÊNDIO OU CHOQUE ELÉTRICO, NÃO EXPONHA ESTE PRODUTO À CHUVA OU UMIDADE.
NÃO INSIRA OBJETOS METÁLICOS PELAS GRADES DE VENTILAÇÃO OU POR OUTROS ORIFÍCIOS NO EQUIPAMENTO.

O aparelho não deve ser exposto a goteiras ou respingos e não deve servir de base para recipientes com líquido, como vasos.

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

CUIDADO

	CUIDADO RISCO DE CHOQUE ELÉTRICO NÃO ABRA	
CUIDADO : PARA REDUZIR O RISCO DE CHOQUE ELÉTRICO, NÃO REMOVA A TAMPA (OU PARTE TRASEIRA). NÃO EXISTEM PEÇAS INTERNAS QUE POSSAM SER REPARADAS PELO USUÁRIO. OS SERVIÇOS DE MANUTENÇÃO DEVEEM SER EXECUTADOS POR TÉCNICOS QUALIFICADOS.		

EXPLICAÇÃO DOS SÍMBOLOS GRÁFICOS



O raio com uma seta na ponta dentro de um triângulo equilátero destina-se a alertar o usuário sobre a presença de "tensão perigosa" dentro da caixa do produto, cuja grandeza talvez seja suficiente para constituir risco de choque elétrico nas pessoas.



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

Construção de Classe I

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

Bateria

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

A bateria não pode ser substituída.

Dispositivo de desconexão

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

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

CUIDADO

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

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

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 10.12, 10.13, 10.14
 - Navegador recomendado : Google Chrome
 - Navegadores suportados : MS Explorer11, MS Edge, Mozilla Firefox (apenas Windows 64bit), Apple Safari (apenas Mac OS X)
 - VGA : Placa gráfica de vídeo PCIe 256MB GDDR3 ou superior
- ※ 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 128GB (tipo MLC)
- Fabricantes recomendados: SanDisk, Transcend
- Tipo de produto: Alta resistência
- A compatibilidade varia de acordo com os fabricantes e tipos de cartões.

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.

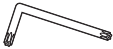
Produtos recomendados	Tamanhos disponíveis
QNAP NAS	Um máximo de 16 câmeras podem acessar simultaneamente.
NAS Synology	Um máximo de 16 câmeras podem acessar simultaneamente.



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

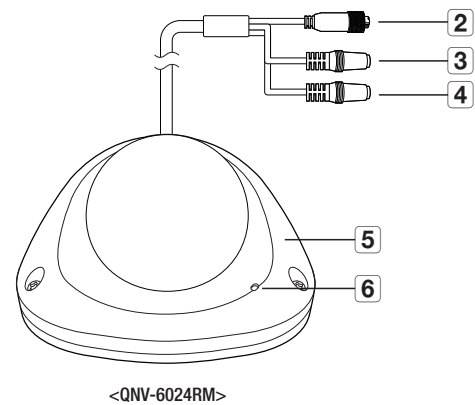
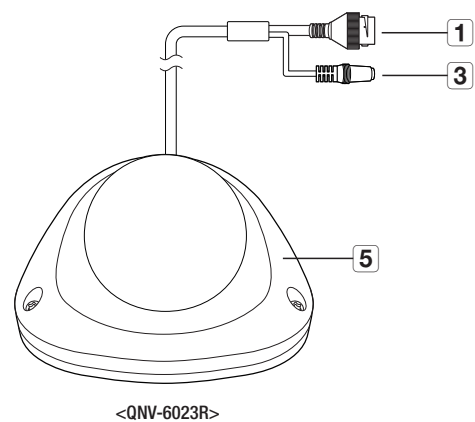
ITENS FORNECIDOS

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	Nome do modelo
	Câmera	1		QNV-6023R/ QNV-6024RM
	Guia de consulta rápida (Opcional)	1		
	Chave em forma de estrela	1	Usada para remover/fixar a tampa em forma de cúpula	
	Cabo do monitor de teste	1	Usado para testar a conexão da câmera a um dispositivo de exibição portátil	
	Modelo	1	Usado ao instalar a câmera	
	Suporte de instalação	1	Usado ao instalar a câmera na parede ou em uma caixa de distribuição (única)	QNV-6023R
	Parafuso M4 para suporte de instalação	2	Usado ao fixar a câmera no suporte de instalação	
	Acessório impermeável RJ45	1	Usado para garantir a impermeabilidade do cabo do conector RJ45	

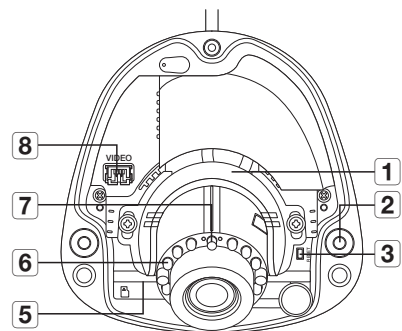
INFORMAÇÕES RESUMIDAS

Aparência

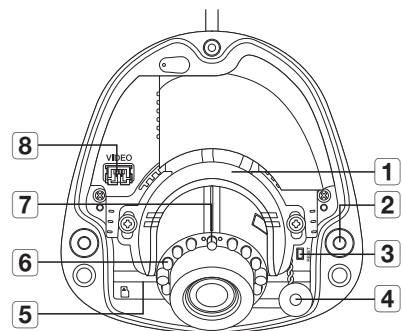


Item	Descrição
1	Conector de PoE Conecta à rede e fornece energia através de cabo Ethernet.
2	Cabo conector fêmea M12 Conectar ao cabo conector macho M12 para as conexões de alimentação e de rede.
3	Ficha de entrada de áudio Usada para conectar a um microfone. (rosa)
4	Ficha de saída de áudio Usada para conectar alto-falantes. (verde)
5	Tampa em forma de cúpula Tampa em forma de cúpula para proteção da lente e da unidade.
6	Entrada de microfone Microfone incorporado.

Parte interna



<QNV-6023R>



<QNV-6024RM>

Item	Descrição
1 Tampa da lente	Usada para proteger e fixar a lente.
2 Orifício de fixação	Orifício usado para fixar a câmera no teto.
3 Botão Reset	Redefine as configurações da câmera ao padrão. Pressione e segure por aproximadamente 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.
4 Orifício do microfone	Existe um microfone incorporado.
5 Compartimento para cartões de memória Micro SD	Compartimento para o cartão de memória Micro SD.
6 LED de IV	Esses LEDs de infravermelho são controlados pelo sensor de iluminação.
7 Sensor de iluminação	Detecta a luz de entrada para controlar o LED de IV.
8 Teste da saída do monitor	Porta de saída para testar o monitoramento da saída de vídeo. Utilize o cabo de teste do monitor para se conectar a um visor móvel e verificar o vídeo de teste.

INSTALAÇÃO

Precauções antes da instalação

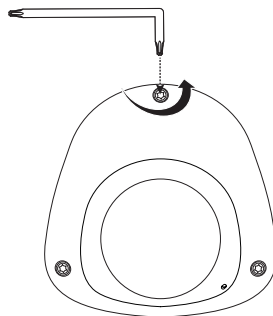
Certifique-se de ler as seguintes instruções antes de instalar a câmera:

- Em instalação de teto, o local desejado deve ser capaz de 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.
- Esta câmera é um produto impermeável que cumpre as normas IP66. No entanto, se o conector e cabo padrão M12 não forem usados, a parte do jack não será impermeável. Recomendamos que use um cabo externo padrão M12 ao instalar este produto.

Desmontando

Retire a cobertura depois de desapertar os parafusos rodando-os no sentido anti-horário, usando a chave em forma de estrela fornecida.

-  ■ Observe que não é necessário afrouxar o parafuso completamente.

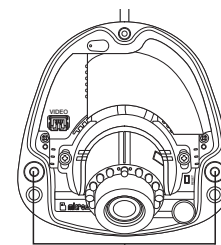


Como instalar

1. Leve em conta a direção a ser monitorizada, fixe o modelo e faça os furos observando o seguinte modelo.
2. Fixe a câmera aos furos usando os parafusos auto-roscentes.



- Use o suporte de instalação incluído ao instalar o produto na parede.

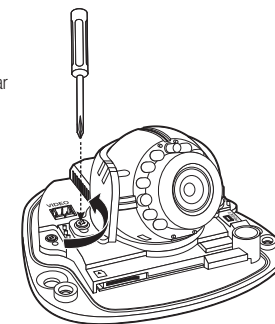


Orifício de fixação

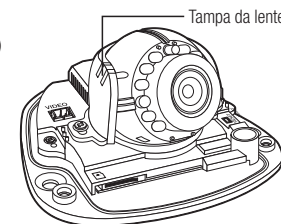
3. Gire os parafusos em ambos os lados da tampa da lente da câmera no sentido anti-horário para os desapertar.



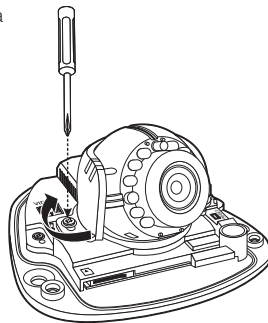
- Force a focagem da lente (invólucro) sem desapertar os parafusos, pode causar danos no produto.



4. Ajuste a lente em uma direção desejada consultando a seção "Ajustando a direção de monitoramento da câmera". (Página 12)

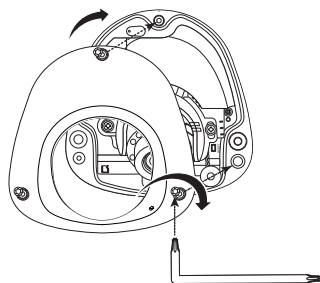


5. Depois de ajustar o ângulo, rode os parafusos no sentido horário para fixar o ângulo da lente.



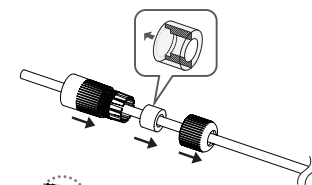
6. Tape a cobertura da cúpula e aperte os parafusos rodando-os no sentido horário usando uma chave em forma de estrela para fixar a cobertura.

- ! ■ Se a tampa não estiver bem fixada, pode haver problemas de infiltração de água.

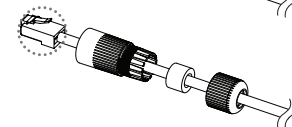


Como conectar o cabo impermeável RJ45 a um cabo de LAN (QNV-6023R)

1. Insira-o, seguindo a direção da seta.

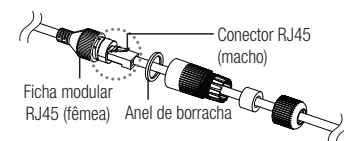


2. Conecte o conector de LAN (macho) ao cabo.

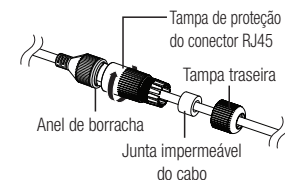


3. Conecte a ficha modular RJ45 (fêmea) ao conector RJ45 (macho).

- ! ■ Por favor, mantenha cada uma das partes separadas.

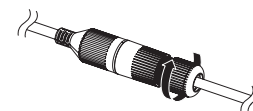


4. Monte girando a ficha modular RJ45 (fêmea) e a tampa de proteção RJ45 no sentido horário (Siga a seta).



5. Monte girando a tampa de proteção RJ45 e a tampa traseira no sentido horário (Siga a seta). Quando a tampa traseira é montada, a junta impermeável do cabo é firmemente conectada ao cabo para torná-lo impermeável.

- ! ■ Você deve montá-la totalmente para girar a tampa traseira até o final do parafuso roscado do conector RJ45.

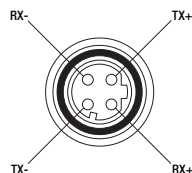


Conectar um cabo de ligação (QNV-6024RM)

Conectar o conector macho M12 no orifício do conector M12 fêmea da câmera.

- Esta câmera utiliza tipos Fêmea de código D.
- PoE (Alimentação através da Ethernet) é suportada.
- Recomenda-se usar um conector de rede blindado.

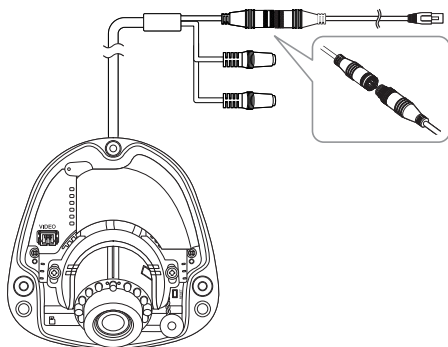
- Conecte esta câmera a um cabo de rede blindado (STP).
- Por favor, use 4 pólos, Machos, cabos externos do tipo código D que cumpram a especificação M12.
- Verifique se o dispositivo PoE está corretamente conectado à terra (aterramento).



Fazer uma conexão usando o cabo de conversão M12-RJ45 (QNV-6024RM)

Conecte o conector macho M12 do cabo de conversão nas entradas do conector fêmea M12 de sua câmera.

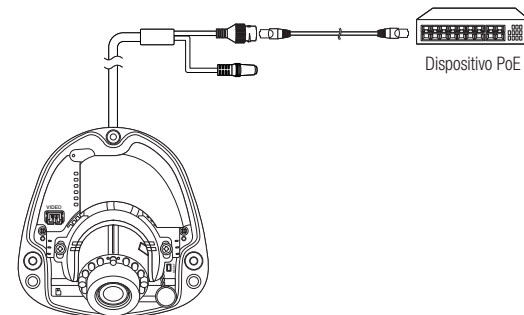
- O cabo M12-RJ45 é vendido separadamente.



Energia e rede (QNV-6023R)

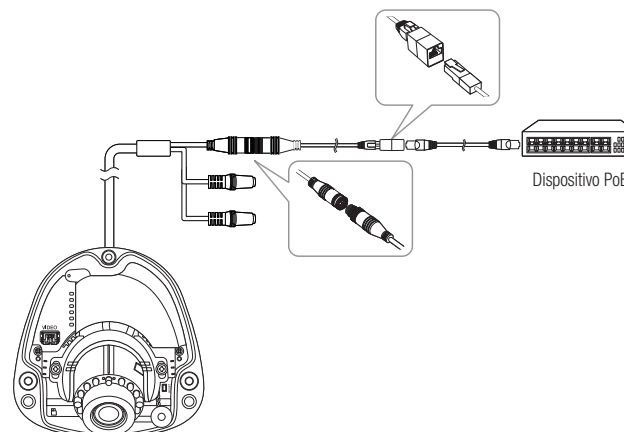
Conectar uma câmera a um equipamento de PoE.

- Conecte a um conector PoE do roteador habilitado para PoE (Alimentação via Ethernet).
- Utilize PoE (Alimentação via Ethernet) compatível com os protocolos IEEE802.3af.



Energia e rede (QNV-6024RM)

Conecte uma câmera a um equipamento de PoE ou conectar o conector M12-RJ45 para o cabo de conversão de sua câmera a um equipamento de PoE.



- O método de conexão pode variar dependendo do ambiente de instalação do usuário.
- Conecte a um conector PoE do roteador habilitado para PoE (Alimentação via Ethernet).
- Utilize PoE (Alimentação via Ethernet) compatível com os protocolos IEEE802.3af. Pode apenas utilizar um dispositivo PoE tipo A que forneça alimentação através do sistema data pin pair (par de pinos de dados) 1, 2, 3, 6.
- Mesmo que você use o cabo de conversão M12-RJ45, apenas pode usar um equipamento PoE do tipo de modo A que forneça energia aos pares de pinos de dados 1, 2, 3, 6.

Especificação do Cabo de Rede

Item	Conteúdos	Comentário
Conector	RJ45	
Ethernet	10/100Base-T	10/100 Mbps
Cabo	Categoria 5e	
Distância Máxima	100M	Resistência DC ≤ 0,125 Ω/m
Suporte PoE	IEEE 802.3af	

! Se você usar a cabo diferente dos padrões da Categoria 5e, não é garantida a distância de transmissão de 100 m.

Instalação no exterior

Quando instalar o aparelho, se o fizer fora do edifício, por favor impermeabilize a ficha com tape impermeável de borracha butílica (pode ser adquirida em lojas) para que a água não extravase a partir do vão do cabo conectado para o exterior. (QNV-6023R)

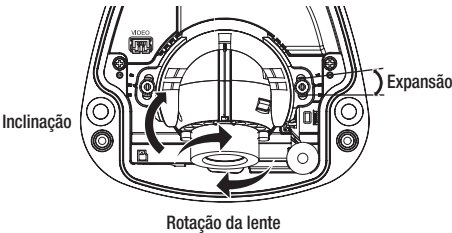
Como pode entrar água a partir da abertura do cabo externo conectado se instalar no exterior de um edifício sem usar um conector M12 e um cabo M12, é necessário usar fita de borracha butílica impermeabilizante para a impermeabilização, como apresentado abaixo. (QNV-6024RM)

- 1. Conecte o cabo PoE.
- 2. Envolve o revestimento do cabo negro (Área A) e a área de ligação do cabo com tape impermeável (borracha butílica) de modo que mais de metade da fita de borracha de butilo esteja sobreposta.



- ! Se o invólucro do cabo não se encontrar adequadamente impermeabilizado, pode diretamente provocar vazamento. Certifique-se de proteger o cabo com uma densa camada de tape.
- A tape de borracha butílica é fabricada a partir de borracha de butilo que pode ser esticada até ao dobro de seu comprimento normal.

Ajustando a direção de monitoramento da câmera



Ajustando a direção de monitoramento

Você pode ajustar a direção da câmera apenas quando a câmera estiver fixada no teto. Girar a unidade da câmera para a esquerda ou a direita é chamado de Expansão, ajustar a inclinação é chamado de Inclinação e girar as lentes em seu próprio eixo é chamado de Rotação.

- A amplitude máxima de PAN é de -5° a +5°.
- O ângulo para RODAR é de -90° ou de +90°.
- A amplitude total da INCLINAÇÃO é de 67°.

! Usar a camera em um angulo que está fora das especificações pode causar reflexo por IV ou imagem cega.

Métodos de ajuste

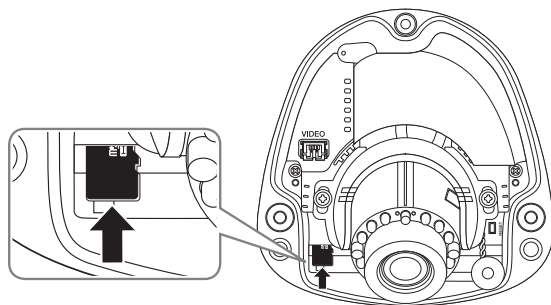
1. Ajuste o ângulo de rotação depois de instalar a câmera tendo em consideração a direção a ser monitorizada.
2. Defina o ângulo horizontal para que a imagem não seja revertida.
3. Ajuste o ângulo de inclinação para que a câmera fique voltada para o objeto de monitoramento.

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.

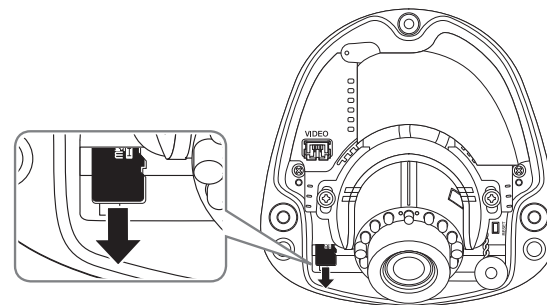
Inserindo um cartão de memória Micro SD

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



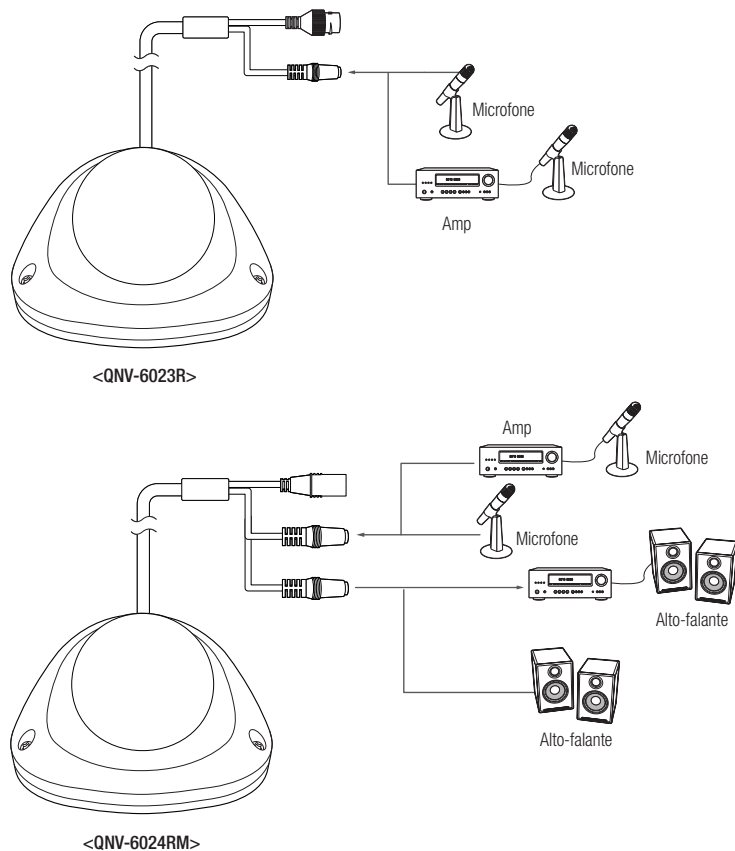
Removendo um cartão de memória Micro SD

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



- ❗
 - Tome cuidado, pois o cartão de memória Micro SD pode saltar quando é ejetado se você pressionar firmemente e o libertar.
 - 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.

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.



- Como existe um microfone incorporado, poderá usar esse microfone em vez de um externo. (Aplicável apenas a QNV-6024RM.)
- Em ambientes com muito ruído ambiente, recomendamos que use um microfone externo.

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)
- Saída de Áudio : G.711 PCM (Taxa de Bits: 64kbps / Frequência de Amostragem: 8kHz)

• Áudio full duplex

• **Entrada de áudio (QNV-6023R)** : Linha de entrada, Tensão suportada: 2,5VCC (4mA), Impedância de entrada: 2K Ohm

• **Entrada de áudio (QNV-6024RM)** : Seleccionável (microfone/Linha de entrada/Microfone interno), Tensão suportada: 2,5VCC (4mA), Impedância de entrada: 2K Ohm

• **Saída de áudio**: Linha de saída, Saída máxima: 1Vrms

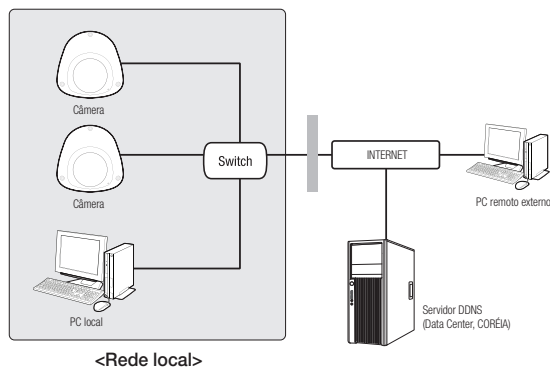
• **Impedância de saída de linha** : 600Ω

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

CONECTANDO A CÂMERA DIRETAMENTE À REDE LOCAL

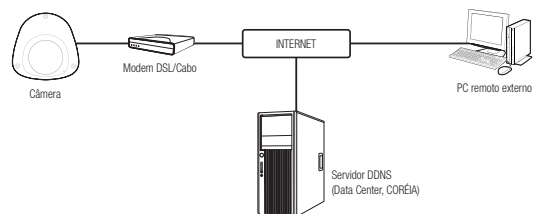
Conectando a câmera a partir de um PC local na LAN

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



- Um PC remoto em uma Internet externa fora da rede LAN talvez não consiga se conectar à câmera instalada na intranet se o encaminhamento de porta não estiver corretamente configurado ou se um firewall estiver configurado. Neste caso, para resolver o problema, entre em contato com o administrador de rede.
- Por padrão de fábrica, o endereço IP será atribuído a partir do servidor DHCP automaticamente. Se não houver servidor DHCP disponível, o endereço IP será configurado como 192.168.1.100. Para alterar o endereço IP, use o Device Manager. Para mais detalhes sobre o uso do Device Manager, consulte "Usar o Device Manager". (Página 16)

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



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

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

USAR O DEVICE MANAGER

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

PESQUISAR A CÂMERA AUTOMATICAMENTE

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

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

CONFIGURAR O ENDEREÇO IP

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

Configurar o IP estático

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

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

Se não estiver usando um Roteador de banda larga

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

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

Se estiver usando um Roteador de banda larga

- IP Address : Insira um endereço que esteja no intervalo de IPs fornecido pelo Roteador de banda larga.
Por ex) 192.168.1.2~254, 192.168.0.2~254, 192.168.XXX.2~254
- Subnet Mask : A <Subnet Mask> do Roteador de banda larga será a <Subnet Mask> da câmera.
- Gateway : O <Local IP Address> do Roteador de banda larga será o <Gateway> da câmera.

- As configurações podem ser diferentes dependendo do modelo do Roteador de banda larga conectado. Para obter mais informações, consulte o manual do usuário do roteador aplicável.
- Para obter mais informações sobre o encaminhamento de porta do roteador de banda larga, consulte "Configuração do Avanço da Faixa da Porta (Mapeamento de Porta)". (Página 18)

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

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

	Categoria	Câmera #1	Câmera #2
Configurações relacionadas ao IP	IP Address	192.168.1.100	192.168.1.101
	Subnet Mask	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
Configurações relacionadas à porta	HTTP Port	8080	8081
	RTSP Port	554	555

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

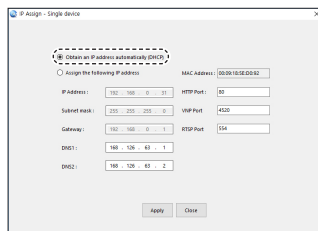
5. Clique no botão [Aplicar].
6. Se aparecer a mensagem de êxito, clique em [OK].

Configurar o IP dinâmico

Obtenha o endereço IP no DHCP

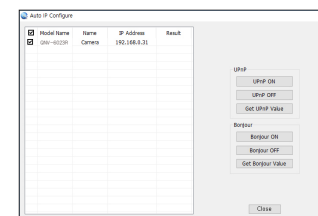
- Exemplo do ambiente de IP dinâmico
 - Se um Roteador de banda larga, com câmeras conectadas, estiver designado a um endereço IP pelo Servidor DHCP
 - Se estiver conectando a câmera diretamente ao modem usando os protocolos DHCP
 - Se os IPs estiverem designados ao servidor DHCP interno através da LAN

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



CONFIGURAR IP AUTOMATICAMENTE

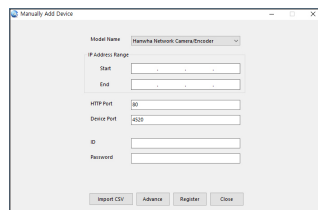
- Na lista, clique na câmera para a qual você deseja configurar automaticamente o IP.
- Clique em **< + >**, na página inicial do Device Manager.
 - O menu Configuração do equipamento é exibido.
- No menu, clique em **<Auto IP Configure (Configurar IP automático)>**.
- Clique no botão **[Close (Fechar)]**.



REGISTRAR A CÂMERA MANUALMENTE

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

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

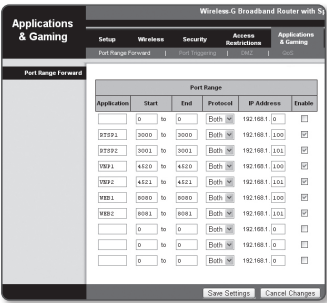


CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

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

Avanço manual da faixa da porta

- 1. A partir do menu Setup do Roteador de banda larga, selecione <Applications & Gaming> - <Port Range Forward>. Para configurar o avanço da faixa da porta para um Roteador de banda larga de terceiros, consulte o guia do usuário desse Roteador de banda larga.
- 2. Selecione <TCP> e <UDP Port> para cada câmera conectada ao Roteador de banda larga. O número de cada porta a ser configurada ao router de IP deve ser definida de acordo com o número de porta designado em <Configurar> - <Basic> - <IP & Porta> no visualizador da web da câmera.
- 3. Quando concluído, clique em [Save Settings]. Suas configurações serão salvas.

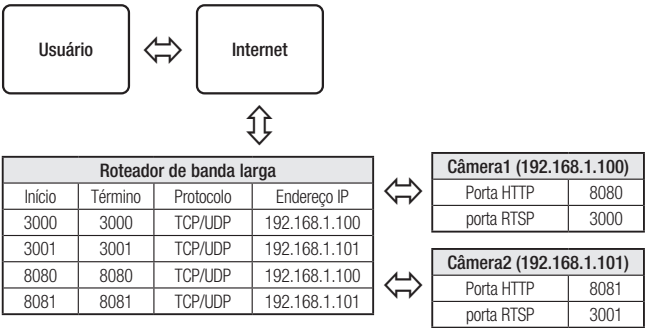


- A configuração de encaminhamento de porta é um exemplo de configuração do roteador de IP CISCO.
- As configurações podem ser diferentes dependendo do modelo do Roteador de banda larga conectado. Para obter mais informações, consulte o manual do usuário do roteador aplicável.

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

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

Quando a Câmera1 e Câmera2 estiverem conectadas a um roteador :



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

CONECTANDO À CÂMERA A PARTIR DE UM PC LOCAL COMPARTILHADO

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



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

CONECTANDO À CÂMERA A PARTIR DE UM PC REMOTO POR MEIO DA INTERNET

Em um computador remoto fora do cluster de rede do roteador de banda larga, os usuários podem acessar câmeras com a rede do roteador de banda larga, por meio da URL de DDNS dinâmico da câmera.

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

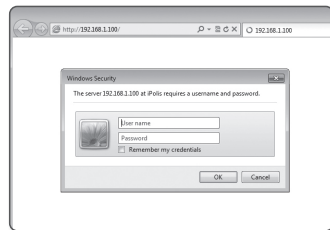


- Para usar o DDNS, cadastre-se na página do DDNS (<http://ddns.hanwha-security.com>) e registre o produto em **[Meu DDNS dinâmico]** > **[Registrar produto]**.

CONECTANDO À CÂMERA

Normalmente, você

1. Inicia o navegador da Internet.
2. Digita o endereço IP da câmera na barra de endereço.
Por ex) • Endereço IP (IPv4) : 192.168.1.100 →
http://192.168.1.100
- A caixa de diálogo Login deverá aparecer.
• Endereço IP (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111
→ http://[2001:230:abcd:ffff:0000:0000:ffff:1111] - 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.



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

Administrator password change

New password

Confirm new password

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

LOGIN

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

1. Digite **"admin"** na caixa de entrada **<User name>**.
O ID do administrador, **"admin"**, é fixo e não pode ser alterado.
2. Digite a senha no campo de entrada **<Password>**.
3. Clique em **[OK]**.
Se você efetuou login com sucesso, verá a tela do Visualizador ao vivo.



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



- Ao marcar a opção **"Remember my credentials"** quando sua entrada for concluída, você será conectado automaticamente sem ser avisado para inserir as informações de login da próxima vez que conectar.
- Você experimentará a melhor qualidade de vídeo se o tamanho da tela estiver em 100%. A redução da proporção pode cortar a imagem nas margens.

Windows Security

The server 192.168.1.100 at iPolis requires a username and password.

User name

Password

☐ Remember my credentials

OK Cancel

CONFIGURAÇÃO DA VISUALIZAÇÃO ON-LINE DA CÂMERA

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

SOLUÇÃO DE PROBLEMAS

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

PROBLEMA	SOLUÇÃO
A voz não é gravada mesmo que as configurações de entrada de áudio estejam definidas.	Selecione a caixa de seleção <Entrada de áudio> a partir de <Básico> - <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.
Não é possível gravar no cartão de memória Micro SD.	Verifique se o cartão de memória está defeituoso.
O cartão de memória Micro SD está inserido, mas a câmera não está funcionando corretamente.	- Verifique se o cartão de memória está inserido na direção correta. A operação do cartão de memória formatado por outros dispositivos não é garantida com esta câmera. - Formate o cartão de memória novamente pelo menu <Configurar> → <Evento> → <Armazenamento>.
Uma ID registrada com o NAS.	Confirma se as informações registradas em NAS estão corretas.
Faz o relatório da falha de configuração de NAS.	- Confirme que o endereço IP de NAS é válido. - Confirme que o ID/senha do NAS é válido. - Confirme que pode acessar à pasta designada como pasta básica usando a ID do dispositivo NAS. - Confirme que os itens SMB/CIFS ide NAS não estão marcados. - Confirme que o endereço IP de NAS e o endereço IP da câmera estão no mesmo formato. Exemplo) o valor inicial de NAS e da máscara de subrede da câmera é 255.255.255.0. Se o endereço IP for 192.168.20.32 então o endereço IP de NAS deve estar no intervalo entre 192.168.20.1~192.168.20.255. - Verifique se tentou acessar como outros usuário sem formatar a pasta básica salva ou usada. - Confirme que usou o equipamento NAS recomendado.

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

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

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

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revised on June 17, 2004
revised on December 21, 2006
revised on March 24, 2009

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

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

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

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

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



Eliminação correcta das baterias existentes neste produto

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

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

