

WISeNeT

CÂMARA DE REDE

Manual do usuário

PNM-7000VD

SLA-2M2400D/SLA-2M2800D

SLA-2M3600D/SLA-2M6000D



Câmara de rede

Manual do usuário

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

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

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

Repare, por favor, que a segurança e quaisquer outros problemas causados pelo mau gerenciamento de senhas é da responsabilidade do usuário.

INSTRUÇÕES IMPORTANTES DE SEGURANÇA

1. Leia estas instruções.
2. Guarde estas instruções.
3. Preste atenção a todos os avisos.
4. Siga todas as instruções.
5. Não utilize este leitor próximo à água.
6. Limpe a área contaminada na superfície do produto com um pano macio e seco ou úmido.
(Não use detergentes ou produtos cosméticos que contenham álcool, solventes, tensoativos ou componentes de óleo pois eles podem deformar ou causar danos no produto.)
7. Não bloqueie as aberturas de ventilação. Instale de acordo com as instruções do fabricante.
8. Não o instale perto de fontes de calor, como radiadores, sistemas de aquecimento ou outros aparelhos que produzam calor, (incluindo amplificadores).
9. O plugue polarizado ou de aterramento desempenha uma importante função de segurança. Um plugue polarizado contém duas lâminas com uma mais larga do que a outra. Um plugue do tipo-terra contém duas lâminas e um terceiro pino de aterramento. A lâmina larga ou o terceiro pino são fornecidos para sua segurança. Se o plugue fornecido não encaixar na tomada, chame um eletricitista para trocar a tomada inadequada.
10. O cabo de alimentação deve ser posicionado de maneira que não seja deformado nem comprimido, especialmente nos plugues, em tomadas elétricas e nos pontos de saída do leitor.
11. Utilize apenas conexões / acessórios especificados pelo fabricante.
12. Utilize apenas carrinhos, bases, tripés, suportes ou mesas especificados pelo fabricante ou vendidos com o leitor. Ao utilizar um carrinho, tenha cuidado ao deslocá-lo com o leitor, para evitar ferimentos caso tombem.
13. Desligue este leitor da tomada durante tempestades com raios ou quando não for utilizá-lo por um longo período.
14. Todos os serviços de manutenção devem ser executados por técnicos qualificados.
A manutenção será necessária quando o leitor for danificado de alguma forma, como danos ao cabo de alimentação ou plugue, derramamento de líquidos ou queda de objetos sobre o leitor, exposição à chuva ou umidade, mau funcionamento ou queda.
15. Este produto é concebido para ser fornecido por uma Unidade de Fonte de Energia Listada marcada como "Classe 2" ou "LPS" e classificado de PoE , 0.35A. (PNM-7000VD)
16. Este produto é concebido para ser fornecido por uma Unidade de Fonte de Energia Listada marcada como "Classe 2" ou "LPS" e classificado de 5 Vdc, mín. 0.25 A. (SLA-2M2400D/2M2800D/2M3600D/2M6000D)
17. Se você usar força excessiva ao instalar o produto, a câmera pode ficar danificada e avariada.
Você pode danificar o produtos ao instalá-lo à força, usando ferramentas incompatíveis.
18. Não instale o produto em um local onde existem ou podem ser geradas substâncias químicas ou névoa de óleo. Como os óleos comestíveis como óleo de soja podem danificar ou deformar o produto, não instale o produto na cozinha ou perto da mesa da cozinha.
Isso pode danificar o produto.
19. Ao instalar o produto, tenha cuidado para não permitir que a superfície do produto seja manchada com alguma substância química.
Alguns solventes químicos tais como purificadores ou adesivos podem causar danos na superfície do produto.
20. Se você instalar/desmontar o produto de uma forma que não a recomendada, as funções de produção/desempenho não podem ser garantidas.
Instale o produto consultando "Instalação e conexão" no manual do usuário.
21. Instalar ou usar o produto na água pode causar danos sérios no produto.



AVISO

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

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

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

CUIDADO

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

EXPLICAÇÃO DOS SÍMBOLOS GRÁFICOS



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



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

Construção de Classe I

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

Bateria

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

Dispositivo de desconexão

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

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

CUIDADO

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

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

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

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

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

Leia as seguintes precauções recomendadas de segurança com atenção.

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

O Manual do Usuário é um guia contendo informações sobre como usar o produto.

O significado dos símbolos no manual é o seguinte.

- Referência: caso existam informações que ajudam a usar o produto
 - Nota: caso exista qualquer possibilidade de ocorrerem danos ao produto e ao ser humano causados pelo não cumprimento das instruções
- ※ Leia este manual quanto aos itens de segurança antes de usar o produto e mantenha-o em local seguro.

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

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ESPECIFICAÇÕES RECOMENDADAS PARA PC

- CPU : Intel(R) Core(TM) i7 3,4 GHz ou superior
- SO suportado : Windows 7, 8, 10, Mac OS X 10.10, 10.11, 10.12
- **Visualizador da web com plug-in gratuito**
Navegadores suportados : Google Chrome 54, MS Edge 38, Mozilla Firefox 49(apenas Windows 64bit), Apple Safari 9 (Apenas Mac OS X)

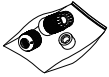
ESPECIFICAÇÕES DE CARTÃO DE MEMÓRIA MICRO SD/SDHC/SDXC

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

ITENS FORNECIDOS (PNM-7000VD)

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

Aparência	Nome do item	Quantidade	Descrição
	Câmera	1	
	Guia de consulta rápida (Opcional)	1	
	Cartão de garantia (Opcional)	1	
	Cabo do monitor de teste	1	Usado para testar a conexão da câmera a um dispositivo de exibição portátil
	Gabarito	1	Guia de instalação do produto
	Chave em forma de estrela	1	Para remover/fixar a tampa superior
	Macho de tarracha	3	Usadas para instalação em parede ou teto

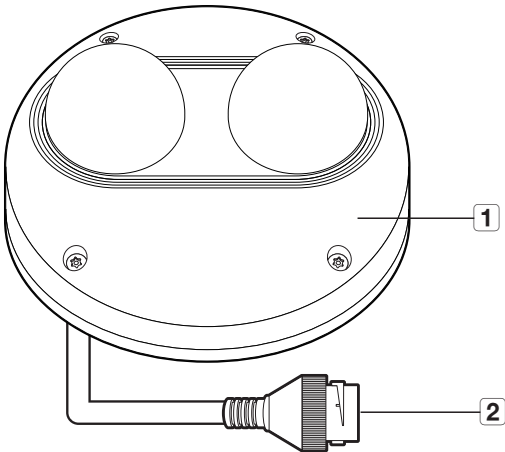
Aparência	Nome do item	Quantidade	Descrição
	Bucha de plástico	3	Para fixar um parafuso, inserido em um orifício (força de fixação reforçada)
	Parafusos da máquina	3	Usados para montar a caixa da cúpula ao instalar o produto no tubo, montagem em parede, etc. ou bloquear um orifício.
	Acessório impermeável RJ45	1	Usado em instalações em locais úmidos
	Absorvente de umidade tipo cartão	1	Acoplado quando é feita a instalação.

ITENS FORNECIDOS (MÓDULO DE LENTES -OPCIONAL)

Aparência	Nome do item	Quantidade	Descrição	Nome do modelo
	Módulo de lentes	1	Montado para PNM-7000VD	SLA-2M2400D
		1		SLA-2M2800D
		1		SLA-2M3600D
		1		SLA-2M6000D

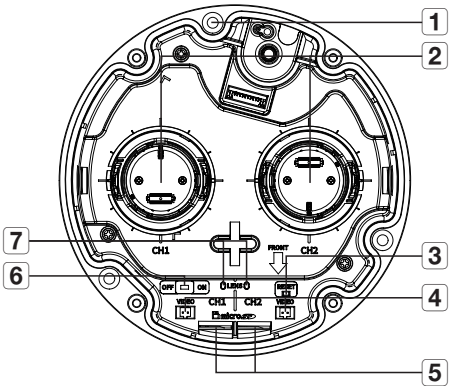
INFORMAÇÕES RESUMIDAS (PNM-7000VD)

Aparência



Item	Descrição
1 Tampa superior	Tampa da caixa usada para proteger a lente e a unidade principal.
2 Conector de PoE	Forneça a energia através do cabo Ethernet e conecte à rede.

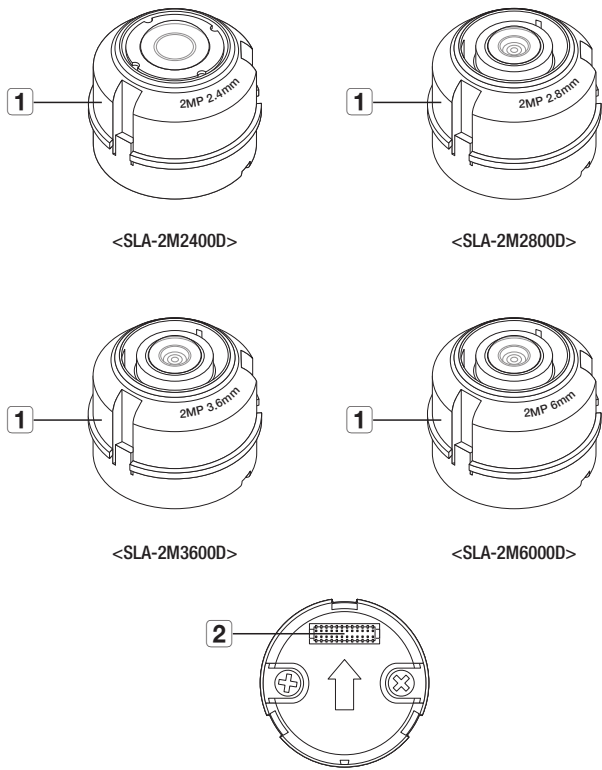
Interior



Item	Descrição
1 OrifícioTripé de fixação da câmera	Usado para fixar a câmera no teto.
2 Porção de montagem do módulo de lentes	Este é o terminal onde montar o módulo de lentes.
3 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.
4 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.
5 Compartimento para cartões de memória Micro SD	Compartimento para cartões de memória Micro SD.
6 Interruptor de energia ligada/desligada	Interruptor usado para ligar/desligar o produto.
7 Luz de indicação do módulo da lente (normal: verde, anormal: vermelho)	Se o módulo da lente está fixado corretamente, o LED verde irá iluminar-se e depois desligar-se passados 40 segundos aproximadamente. (para evitar reflexos indesejados)

INFORMAÇÕES RESUMIDAS (MÓDULO DE LENTES)

Aparência



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

INSTALAÇÃO

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

Precauções antes da instalação

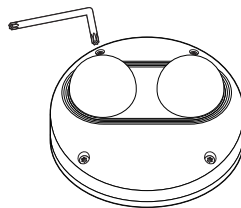
Certifique-se de ler as seguintes instruções antes de instalar a câmara:

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

Desmontando

Retire o topo da cobertura desapertando os quatro parafusos na direção anti-horária usando a chave em forma de estrela fornecida.

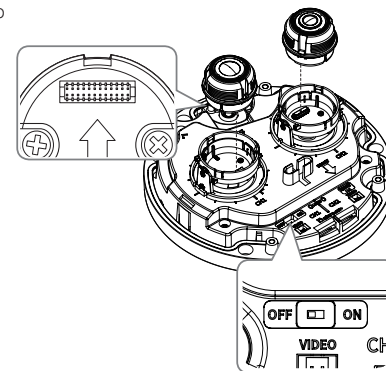
- Convém notar que não é necessário desapertar completamente os parafusos.



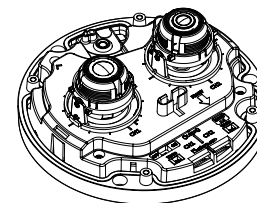
Montar o módulo de lentes

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

- ! ■ Recomenda-se que evite tocar nas lentes em separado, pois são enviadas da fábrica com o foco ajustado durante a inspeção de produção.



2. Concluir o processo de montagem da lente.



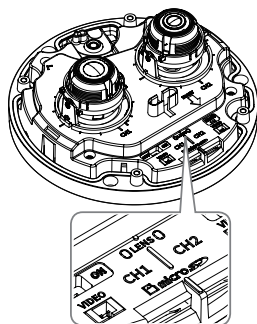
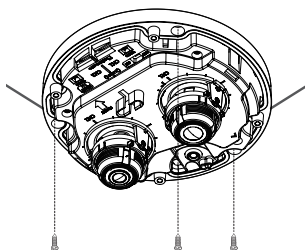
Instalação no teto em na parede

1. Use o modelo fornecido para fazer os furos para a instalação (diâmetro de 6 mm e profundidade mínima de 45 mm) e insira os pivots de plástico fornecidos até ao final.
2. Alinhe o furo de montagem da câmera com o furo onde o pivot de plástico está inserido, em seguida aperte o parafuso de fixação.
3. Cubra o topo da cobertura e rode o parafuso no sentido horário usando uma chave em forma de estrela para fixar a cobertura.

! ■ Se você não apertar os parafusos completamente ao fixar a cobertura, isso pode causar problemas de impermeabilização. (IP66)

4. Conecte um cabo à câmera. Tome cuidado para não danificar o cabo. Deve ser aparado.

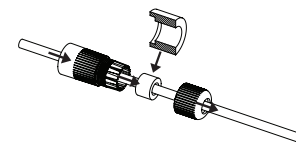
! ■ Se o módulo da lente não estiver fixado corretamente, a luz de status do módulo da lente irá acender a vermelho, como mostra a figura. Se isso ocorrer desligue o interruptor de energia e volte a fixar o módulo da lente. Se estiver fixado corretamente, irá iluminar-se a verde e depois desligar-se passados 40 segundos aproximadamente.



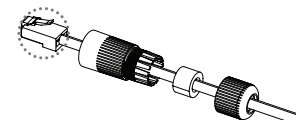
Como conectar o cabo impermeável RJ45 a um cabo de LAN

! ■ Confirme se a câmera está funcionando corretamente e, em seguida conecte o cabo impermeável.

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

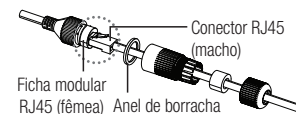


2. Conecte o conector de LAN (macho) ao cabo.

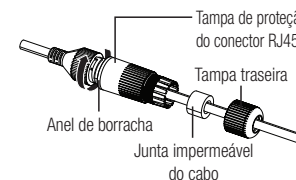


3. Conecte a ficha modular RJ45 (fêmea) ao conector RJ45 (macho).

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

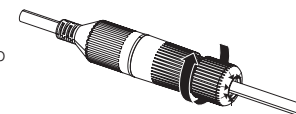


4. Monte girando a ficha modular RJ45 (fêmea) e a tampa de proteção RJ45 no sentido horário (Siga a seta).



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.



Instalação no exterior

Quando instalar a câmera em ambientes externos, ela deverá ser impermeabilizada com fita emborrachada de butyl à prova de água (que pode ser comprada em lojas especializadas) para que a água não vazze pelo vão do cabo conectado na área interna.

1. Conecte o cabo PoE.

2. Envolver 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.



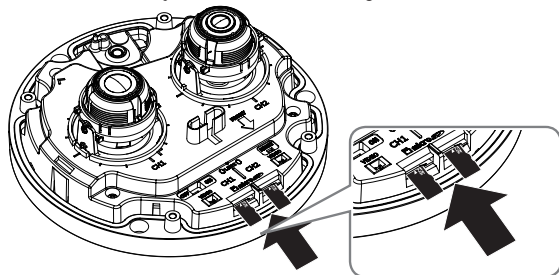
- Se o invólucro do cabo não se encontrar adequadamente impermeabilizado, pode diretamente provocar vazamento. Certifique-se de proteger o cabo com uma densa camada de tape.
- A tape de borracha butílica é fabricada a partir de borracha de butilo que pode ser esticada até ao dobro de seu comprimento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

INSERINDO/REMOVENDO UM CARTÃO DE MEMÓRIA MICRO SD

- Desconecte o cabo de alimentação da câmera antes de inserir o cartão de memória Micro SD.
- Não insira o cartão de memória Micro SD enquanto estiver virado para baixo com força. Caso contrário, isso pode danificar o cartão de memória Micro SD.
- Quando chove ou a umidade é alta, não é recomendada a inserção ou a ejeção de um cartão Micro SD.
- A desmontagem da tampa do produto fica terminada no prazo de 5 minutos, ou haverá o risco de condensação interna.

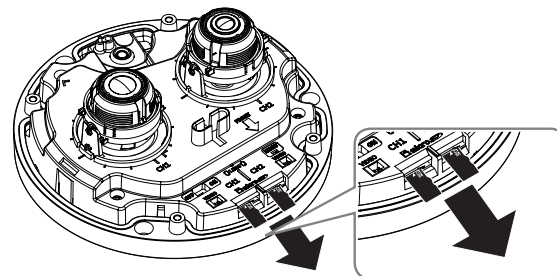
Inserindo um cartão de memória Micro SD

1. Retire a tampa superior da câmera.
2. Insira um cartão Micro SD na direção da seta mostrada na figura.



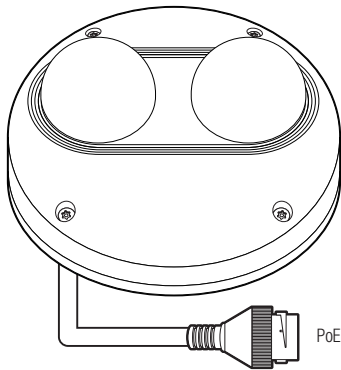
Removendo um cartão de memória Micro SD

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



- 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.

CONECTANDO A OUTRO DISPOSITIVO



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

Energia e rede

Conecte o terminal PoE da câmera ao dispositivo 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.

Especificação do Cabo de Rede

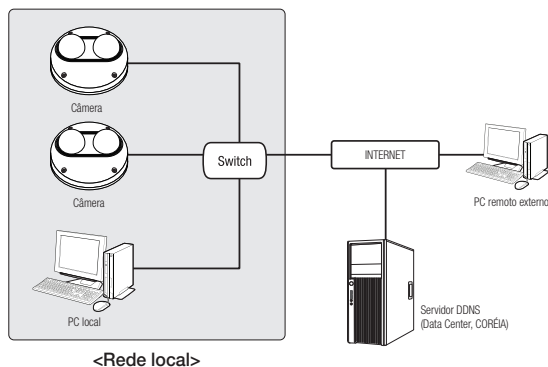
Item	Conteúdos	Comentário
Conector	RJ45 (10/100BASE-T)	
Ethernet	10/100BASE-T	
Cabo	Categoria 5e UTP	
Distância Máxima	100M	Resistência DC ≤ 0.188 Ω/m
Suporte PoE	IEEE 802.3af	

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

CONECTANDO A CÂMERA DIRETAMENTE À REDE LOCAL

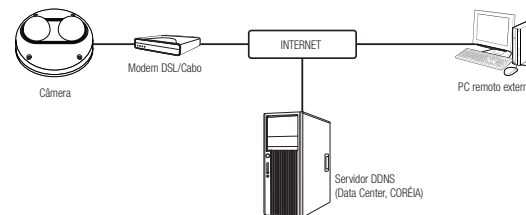
Conectando a câmera a partir de um PC local na LAN

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 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 15)

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



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

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

USAR O DEVICE MANAGER



- O programa Device Manager pode ser baixado no menu <Technical Guides> – <Online Tool> do site da Hanwha Techwin (<http://www.hanwha-security.com>).
- Mais informações sobre o Device Manager podem ser encontradas no menu <Ajuda> da página inicial.

PESQUISAR A CÂMERA AUTOMATICAMENTE

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

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

CONFIGURAR O ENDEREÇO IP

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

Configurar o IP estático

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

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

The screenshot shows a window titled "Assign - Single device". It has two radio buttons: "Obtain an IP address automatically (DHCP)" (which is selected) and "Assign the following IP address". Below these are fields for IP Address (192.168.0.11), Subnet mask (255.255.255.0), Gateway (192.168.0.1), and DNS1 (192.168.0.1). There are also fields for HTTP Port (80), RTSP Port (554), and VMP Port (4430). At the bottom are "Apply" and "Close" buttons.

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.

The screenshot shows a "Setup" window with tabs for Setup, Wireless, Security, Access Restrictions, and Applications & Gaming. The "Setup" tab is active, showing "Internet Setup" and "Network Setup". Under "Internet Setup", there's a section for "Internet Connection Type" with "Automatic Configuration - DHCP" selected. Below that are fields for "Router Name" (Router_1), "Host Name", "Domain Name", "MTU" (1460), and "Size" (1460). Under "Network Setup", there's a section for "Fixed IP" with "Local IP Address" (192.168.0.1) and "Subnet Mask" (255.255.255.0).



- 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 17)

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

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

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



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

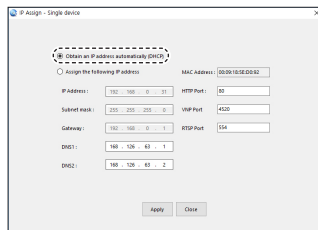
5. Clique no botão [Aplicar].
6. Se aparecer a mensagem de êxito, clique em [OK].

Configurar o IP dinâmico

Obtenha o endereço IP no DHCP

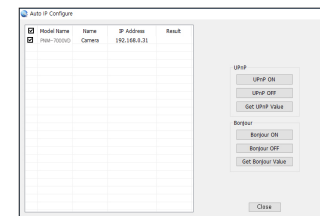
- Exemplo do ambiente de IP dinâmico
 - Se um Roteador de banda larga, com câmeras conectadas, estiver designado a um endereço IP pelo Servidor DHCP
 - Se estiver conectando a câmera diretamente ao modem usando os protocolos DHCP
 - Se os IPs estiverem designados ao servidor DHCP interno através da LAN

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



CONFIGURAR IP AUTOMATICAMENTE

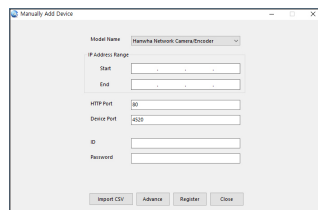
- Na lista, clique na câmera para a qual você deseja configurar automaticamente o IP.
- Clique em **< + >**, na página inicial do Device Manager.
 - O menu Configuração do equipamento é exibido.
- No menu, clique em **<Auto IP Configure (Configurar IP automático)>**.
- Clique no botão **[Close (Fechar)]**.



REGISTRAR A CÂMERA MANUALMENTE

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

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

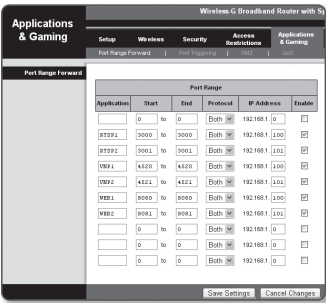


CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

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

Avanço manual da faixa da porta

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

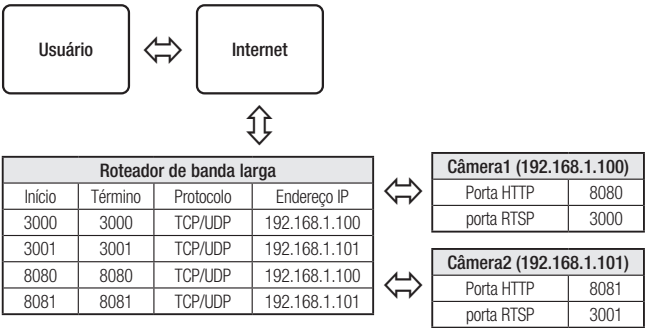


- A configuração de encaminhamento de porta é um exemplo de configuração do roteador de IP CISCO.
- As configurações podem ser diferentes dependendo do modelo do Roteador de banda larga conectado.
- Para obter mais informações, consulte o manual do usuário do roteador aplicável.

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

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

Quando a Câmera1 e Câmera2 estiverem conectadas a um roteador :



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

CONECTANDO À CÂMERA A PARTIR DE UM PC LOCAL COMPARTILHADO

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



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

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

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

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

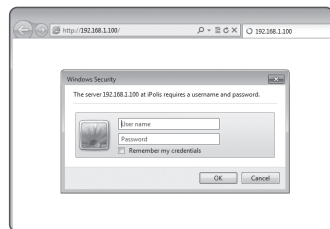


- Para usar o DDNS dinâmico Wisenet, cadastre-se na página do DDNS dinâmico Wisenet (<http://ddns.hanwha-security.com>) e registre o produto em **[Meu DDNS dinâmico]>[Registrar produto]**.

CONECTANDO À CÂMERA

Normalmente, você

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



Se a porta HTTP for diferente de 80

1. Inicia o navegador da Internet.
2. Digita o endereço IP e o número da porta HTTP da câmera na barra de endereço.
 Por ex) Endereço IP : 192.168.1.100:Número da porta HTTP(8080)
 → http://192.168.1.100:8080 - A caixa de diálogo Login deverá aparecer.

Usando URL

1. Inicia o navegador da Internet.
2. Digita o URL DDNS da câmera na barra de endereço.
 Por ex) Endereço URL : http://ddns.hanwha-security.com/ID do produto
 - A caixa de diálogo Login deverá aparecer.



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

Conectar via UPnP

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

Conectar via Bonjour

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

Para verificar o endereço DDNS

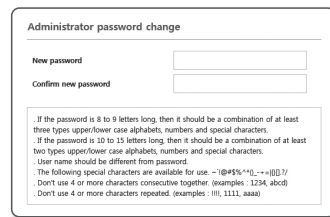
Se a câmera estiver conectada diretamente a um modem de cabo com base DHCP ou modem DSL, o endereço IP irá mudar de cada vez que tenta conectar ao ISP (a empresa à qual você aderiu). Se esse for o caso, você não será informado do endereço IP alterado por DDNS.

Uma vez que você registrar um dispositivo baseado em IP dinâmico com o servidor DDNS, poderá facilmente verificar o IP alterado quando tentar acessar o dispositivo. Para registrar o seu dispositivo no servidor <DDNS>, visite <http://ddns.hanwha-security.com> e registre o dispositivo primeiro; em seguida, configure <Rede> - <DDNS> do Visualizador da Web para <Wisenet DDNS> e forneça o <ID do produto> usado no registro do DDNS.

CONFIGURAÇÃO DE SENHA

Quando você acessar o produto pela primeira vez, você deve registrar o login e senha.
Quando aparece a janela de “**Alteração de senha**”, digite a nova senha.

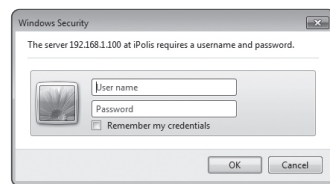
- Para uma nova senha com 8 a 9 dígitos, você deve usar pelo menos 3 dos seguintes: letras maiúsculas/minúsculas, números e caracteres especiais. Para uma senha com 10 a 15 dígitos, você deve usar pelo menos 2 tipos dos mencionados.
 - Caracteres especiais são permitidos: ~!@#\$%^&*()_+=[]{}?/
- Para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



LOGIN

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

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



- Quando você acessa o visualizador da câmera web, preste atenção especial à segurança, verificando se os dados de imagem estão criptografados.
- Ao marcar a opção “**Remember my credentials**” quando sua entrada for concluída, você será conectado automaticamente sem ser avisado para inserir as informações de login da próxima vez que conectar.
- Você experimentará a melhor qualidade de vídeo se o tamanho da tela estiver em 100%. A redução da proporção pode cortar a imagem nas margens.

ESPECIFICAÇÕES DO PLUG-IN DE SUPORTE PARA CADA NAVEGADOR

O novo visualizador da web tem plug-in gratuito.
Isso torna possível usar o visualizador da web mesmo nos ambientes de navegador mais recentes que não suportam plug-ins, tais como Chrome, EDGE e FireFox (apenas Windows 64bit). A seguintes diferenças irão ocorrer dependendo do ambiente de seu navegador:

- **Navegadores Chrome, FireFox(apenas Windows 64-bit), EDGE, Safari** : Apesar de não suportarem plug-ins, você pode usar um visualizador da web pois está incorporado um visualizador da web com plug-in gratuito.
- Como o visualizador da web gratuito com plug-in tem um desempenho mais baixo que o plug-in do visualizador da web, ele tem um limite no monitoramento de perfil de alta qualidade e reprodução de vídeos salvos.
Para monitorizar perfil de alta qualidade e reproduzir vídeos salvos, use um visualizador da web com plug-in ou um SmartViewer.
 - Condições de criação do visualizador web livre de plug-in: O perfil selecionado excede MJPEG Full HD 10fps H.264 (Chrome : Suportada resolução de tela cheia / Edge, Firefox, Safari : Full HD 30 fps ou superior) H.265 FullHD 10fps 2Mbps ou superior
 - Plugin-free playback conditions: MJPEG/H.264 full screen resolution, H.265 HD or below
- A característica sem plug-in foi otimizada para o navegador Chrome.
- Suporta Streaming Adaptável
 - Esta é a característica que reduz automaticamente o perfil se houver um atraso superior a 5 segundos. Foi concebida para prevenir problemas como a latência aumentada e nenhuma resposta do navegador ao reproduzir um vídeo em um sistema com especificações de hardware inferiores ao recomendado.
A sequência de redução de vídeo é a seguinte: 1920*1080(20fps) -> 1280*720(20fps) -> 640*480(20fps).

INSTALANDO O PLUG-IN DO WebViewer

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

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

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

2. Clique em **[Run]** na janela da mensagem.

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

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

4. Quando é instalada a versão antiga de Web Viewer Plug-in, é exibida uma janela de aviso que diz que a versão antiga será excluída.

Clique em **[Yes]** quando é exibida a janela de aviso.

5. Clique em **[OK]**.

A versão antiga de Web Viewer Plug-in está excluída.

6. Clique em **[Install]** para iniciar a instalação do Web Viewer Plug-in.

7. Clique em **[Finish]**.

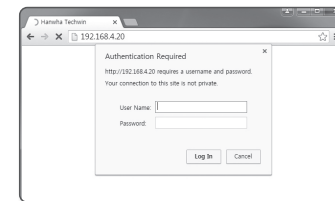
A instalação do Plug-in Web Viewer está concluída.

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

USANDO UM VISUALIZADOR WEB COM PLUG-IN GRATUITO

Se acessar à câmera a partir dos navegadores Google Chrome, Mozilla Firefox, Safari ou MS Edge, você pode verificar e controlar a imagem da câmera em tempo real sem instalar plug-in(s) em separado.

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



Para definir a câmera

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

SOLUÇÃO DE PROBLEMAS

PROBLEMA	SOLUÇÃO
Não é exibido nenhum vídeo ao acessar o visualizador web com plug-in gratuito no navegador Safari via HTTPS.	- Na janela pop-up de autenticação exibida quando acessa inicialmente a https, clique em "Ver Certificado de Autenticação" e selecione a caixa de seleção "Confiar sempre ao ligar ao IP do visualizador da web escolhido". - Se o visualizador web continuar falhando ao exibir um vídeo depois de você selecionar "Seguinte" na janela de mensagem em baixo, pressione a tecla Command + Q para sair do navegador Safari, acesse de novo e siga os procedimentos referidos acima.
Não consigo acessar a câmera de um navegador da Web.	- Verifique se as configurações de rede da câmera são apropriadas. - Verifique se todos os cabos de rede foram conectados corretamente. - Se foi conectada usando DHCP, verifique se a câmera consegue obter os endereços IP dinâmicos sem qualquer problema. - Se a câmera estiver conectada a um Roteador de banda larga, verifique se o encaminhamento da porta está corretamente configurado.
O visualizador foi desconectado durante o monitoramento.	- Os visualizadores conectados são desconectados após qualquer alteração na câmera ou nas configurações de rede. - Verifique todas as conexões da rede.
A câmera conectada à rede não é detectada no programa Device Manager.	Desative as configurações de firewall em seu PC e pesquise a câmera novamente.
Sobreposição de imagens.	Verifique se duas ou mais câmeras estão configuradas para um único endereço de multicast em vez de diferentes endereços. Se um único endereço for usado para várias câmeras, as imagens poderão ficar sobrepostas.
Nenhuma imagem é exibida.	- Se o método de transmissão estiver configurado para multicast, verifique se há um roteador que ofereça suporte para multicast na rede local à qual a câmera está conectada. - Verifique se o módulo de lentes está funcionando normalmente. (página 11)

PROBLEMA	SOLUÇÃO
O <MD/VA> do <Evento> 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 <MD / VA> deve ser configurada para <Ativar>. C. Verifique se a opção de <E-mail> do menu de <Configuração de evento> está marcada como Usar.
Eu posso definir regras de evento quando não utilizo <MD / VA>?	Sim, pode. Você pode configurar regras para eventos independentemente da configuração da análise inteligente de vídeo.
Não é possível gravar no cartão de memória Micro SD.	Verifique se o cartão de memória está defeituoso.
O cartão de memória Micro SD está inserido, mas a câmera não está funcionando corretamente.	- Verifique se o cartão de memória está inserido na direção correta. A operação do cartão de memória formatado por outros dispositivos não é garantida com esta câmera. - Formate o cartão de memória novamente pelo menu <Configurar> → <Evento> → <Armazenamento>.

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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	
zerocoinf	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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It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

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

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

