

**WISeNeT**

# **CÂMARA DE REDE**

Manual do usuário

LND-6010R/LND-6020R/LND-6030R/LND-6070R  
LNO-6010R/LNO-6020R/LNO-6030R/LNO-6070R  
LNV-6010R/LNV-6020R/LNV-6030R/LNV-6070R



# Câmara de rede

## Manual do usuário

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### Marca comercial

Cada uma das marcas aqui incluídas se encontram registradas. O nome deste produto e as outras marcas registradas mencionadas neste manual são marcas registradas de sua respectiva companhia.

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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 destina-se a ser alimentado por uma Unidade de Fornecimento de Energia Listada, marcada como "Classe 2" ou "LPS" e classificada com PoE, 0.18A.
16. Se você usar força excessiva ao instalar o produto, a câmera pode ficar danificada e avariada. Você pode danificar o produtos ao instalá-lo à força, usando ferramentas incompatíveis.
17. Não instale o produto em um local onde existem ou podem ser geradas substâncias químicas ou névoa de óleo. Como os óleos comestíveis como óleo de soja podem danificar ou deformar o produto, não instale o produto na cozinha ou perto da mesa da cozinha. Isso pode danificar o produto.
18. Ao instalar o produto, tenha cuidado para não permitir que a superfície do produto seja manchada com alguma substância química. Alguns solventes químicos tais como purificadores ou adesivos podem causar danos na superfície do produto.
19. Se você instalar/desmontar o produto de uma forma que não a recomendada, as funções de produção/desempenho não podem ser garantidas. Instale o produto consultando "Instalação e conexão" no manual do usuário.
20. Instalar ou usar o produto na água pode causar danos sérios no produto.



## AVISO

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

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

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

## CUIDADO

	<b>CUIDADO</b> <b>RISCO DE CHOQUE ELÉTRICO NÃO ABRA</b>	
<b>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.</b>		

## 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.

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.

AVISO

Para evitar danos que possam ser causados pelo LED IR, não compartilhe uma lâmpada em funcionamento.

Apenas para os modelos abaixo.

LND-6010R/LND-6020R/LND-6030R/LND-6070R

LNO-6010R/LNO-6020R/LNO-6030R/LNO-6070R

LNV-6010R/LNV-6020R/LNV-6030R/LNV-6070R

Grupo de risco 1
<b>AVISO Este produto emite IR. Não fixe o olhar em uma lâmpada em funcionamento.</b>
Produto submetido ao teste IEC 62471

VISÃO GERAL

3

3	Instruções Importantes de Segurança
6	Recursos do Produto
6	Especificações Recomendadas para PC
6	Especificações de Cartão de Memória Micro SD/SDHC
7	Itens Fornecidos (LND-6010R/6020R/6030R/6070R)
7	Itens Fornecidos (LNO-6010R/6020R/6030R/6070R)
8	Itens Fornecidos (LNV-6010R/6020R/6030R/6070R)
9	Informações Resumidas (LND-6010R/6020R/6030R)
10	Informações Resumidas (LND-6070R)
12	Informações Resumidas (LNO-6010R/6020R/6030R)
12	Informações Resumidas (LNO-6070R)
13	Informações Resumidas (LNV-6010R/6020R/6030R)
14	Informações Resumidas (LNV-6070R)

INSTALAÇÃO E CONEXÃO

15

15	Instalação (LND-6010R/6020R/6030R/6070R)
16	Instalação (LNO-6010R/6020R/6030R/6070R)
18	Instalação (LNV-6010R/6020R/6030R/6070R)
20	Inserindo/Removendo um Cartão de Memória Micro SD
22	Alimentação e rede

CONEXÃO E CONFIGURAÇÃO DE REDE

23

23	Conectando a Câmera Diretamente à Rede Local
23	Conectando a Câmera Diretamente a um DHCP com Base no Modem DSL/Cabo
24	Conectando a Câmera Diretamente a um Modem PPPoE
24	Conectando a Câmera a um Roteador de Banda Larga com o Modem PPPoE/Cabo
25	Botões Usados no Instalador de IP
25	Configuração de IP Estático
27	Configuração de IP Dinâmico
27	Configuração do Avanço da Faixa da Porta (Mapeamento de Porta)
28	Conectando à Câmera a Partir de um PC Local Compartilhado
28	Conectando à Câmera a Partir de um PC Remoto Por Meio da Internet

VISUALIZADOR DA WEB

29

29	Conectando à Câmera
30	Configuração de senha
30	Login
30	Especificações do plug-in de suporte para cada navegador
31	Instalando o Plugin do WebViewer
31	Usando um visualizador web com plug-in gratuito

APÊNDICE

32

32	Especificações
36	Exibição do Produto
39	Solução de Problemas
40	Open Source Announcement

## RECURSOS DO PRODUTO

- **À prova de pó/À prova d'água (IP66) (LNO-6010R/6020R/6030R/6070R, LNV-6010R/6020R/6030R/6070R)**  
O design à prova de pó e à prova d'água faz com que você fique tranquilo ao instalar o produto em ambiente externo ou ao expô-lo à chuva.
- **Modo IV**  
Se o indicador de IV acender, o produto mudará para o modo de IV para impedir que um motivo fique muito claro, o que o ajuda a identificar o motivo em uma curta distância.
- **Suporta vídeos com resolução de 2 megapixel**
- **Fluxo contínuo múltiplo**  
Esta câmera de rede pode exibir vídeos em diferentes resoluções e qualidades simultaneamente com diferentes CODECs.
- **Monitoramento baseado em navegador da Web**  
Usando o navegador da Web para exibir a imagem em um ambiente de rede local.
- **Alarm**  
Quando ocorre um evento, os vídeos relacionados são enviados para o e-mail registrado do usuário e para o servidor FTP ou armazenados no cartão de memória Micro SD.
- **Detecção de violação**  
Detecta tentativas de violação do monitoramento de vídeo.
- **Detecção de movimento**  
Detecta movimento a partir da entrada de vídeo da câmera.
- **Conformidade com ONVIF**  
Este produto suporta o Perfil S&G ONVIF.  
Para obter mais informações, consulte [www.onvif.org](http://www.onvif.org).



## ESPECIFICAÇÕES RECOMENDADAS PARA PC







- CPU : Intel(R) Core(TM) i7 3,4 GHz ou superior
  - SO suportado : Windows, Mac OS X
  - **Visualizador da web com plug-in gratuito**  
Navegadores suportados : Google Chrome, MS Edge, Mozilla Firefox W(apenas Windows 64bit), Apple Safari (apenas Mac OS X)
  - **Visualizador da web com plug-in**  
Navegadores suportados : MS Explorer
  - VGA : Placa gráfica de vídeo PCIe 256MB GDDR3 ou superior
- ※ Para informações de versão detalhadas sobre o sistema operacional e o navegador, por favor consulte o apêndice.

## ESPECIFICAÇÕES DE CARTÃO DE MEMÓRIA MICRO SD/SDHC

- Capacidade recomendada : 16GB ~ 32GB (Tipo MLC)
- Para sua câmera, recomendamos que você utilize um cartão de memória dos seguintes fabricantes:  
Cartão de memória Micro SD/SDHC : Sandisk, Transcend

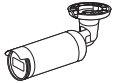





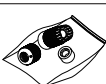

## ITENS FORNECIDOS (LND-6010R/6020R/6030R/6070R)

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	
	Manual do usuário, CD de instalação de S/W	1	
	Guia de consulta rápida (Opcional)	1	
	Cartão de garantia (Opcional)	1	
	Gabarito	1	Guia de instalação do produto
	Macho de tarracha	2	Usadas para instalação em parede ou teto

## ITENS FORNECIDOS (LNO-6010R/6020R/6030R/6070R)

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		LNO-6010R/6020R/ 6030R/6070R
	Manual do usuário, CD de instalação de S/W	1		Utilização para todos os modelos
	Guia de consulta rápida (Opcional)	1		
	Cartão de garantia (Opcional)	1		
	Gabarito	1	Guia de instalação do produto	
	Macho de tarracha	3	Usadas para instalação em parede ou teto	
	Acessório impermeável RJ45	1	Usado em instalações em locais úmidos	LNO-6070R
	Absorvente de umidade tipo cartão	1	Acoplado quando é feita a instalação.	

ITENS FORNECIDOS (LNV-6010R/6020R/6030R/6070R)

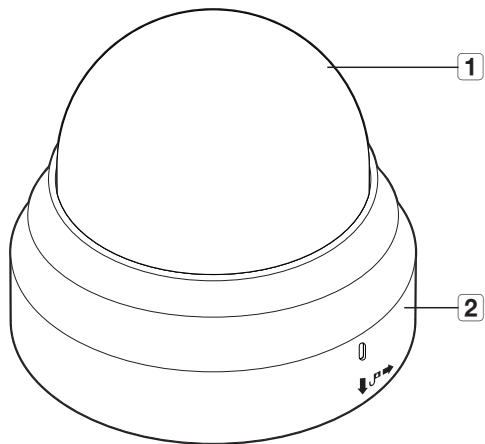
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(Dado que para cada país de vendas, os acessórios não são os mesmos.)

Aparência	Nome do item	Quantidade	Descrição	Nome do modelo
	Câmera	1		LNV-6010R/6020R/ 6030R/6070R
	Manual do usuário, CD de instalação de S/W	1		Utilização para todos os modelos
	Guia de consulta rápida (Opcional)	1		
	Cartão de garantia (Opcional)	1		
	Gabarito	1	Guia de instalação do produto	
	Chave em forma de estrela	1	Usado para montar e desmontar as coberturas de cúpula	
	Absorvente de umidade tipo cartão	1	Acoplado quando é feita a instalação.	
	Bucha do cabo	1	Usada para conectar o cabo LAN com um diâmetro de Ø7~8,5.	
	Macho de tarracha	2	Usadas para instalação em parede ou teto	LNV-6010R/ 6020R/6030R
		3		LNV-6070R



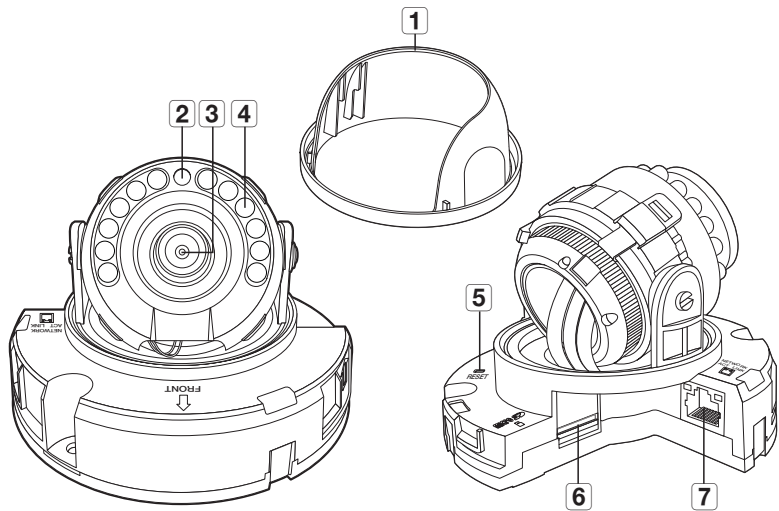
INFORMAÇÕES RESUMIDAS (LND-6010R/6020R/6030R)

Aparência



Item	Descrição
1 Tampa do Dome	Tampa da caixa usada para proteger a lente e a unidade principal.
2 Caixa da câmera	Parte da caixa que cobre o corpo da câmera.

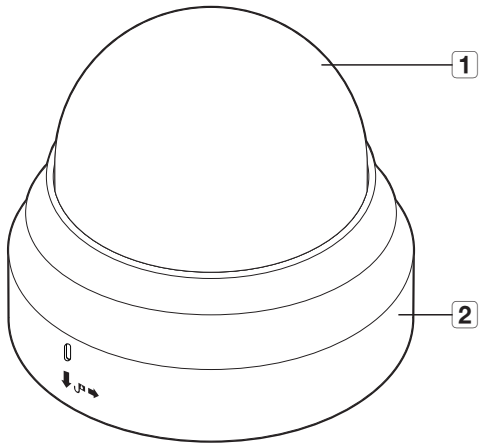
Componentes



Item	Descrição
1 Cobertura interior	Cobertura protetora para o corpo principal.
2 Sensor de iluminação	Detecta a luz de entrada para controlar o LED de IV.
3 Lente	Lentes da câmera.
4 LED de IV	Esses LEDs de infravermelho são controlados pelo sensor de iluminação.
5 Botão Reset	<p>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.</p> <p>Se você reinicializar a câmera, as configurações de rede serão ajustadas para que o DHCP possa ser ativado. Se não houver nenhum servidor DHCP na rede, você deve executar o programa Instalador de IP para alterar as configurações básicas de rede, como o endereço IP, a máscara de sub-rede, o gateway, etc., antes que seja possível conectar-se à rede.</p>
6 Compartimento para cartões de memória Micro SD	Compartimento para cartões de memória Micro SD.
7 Conector de PoE	Forneça a energia através do cabo Ethernet e conecte à rede.

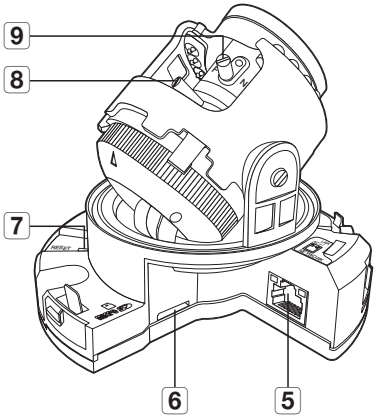
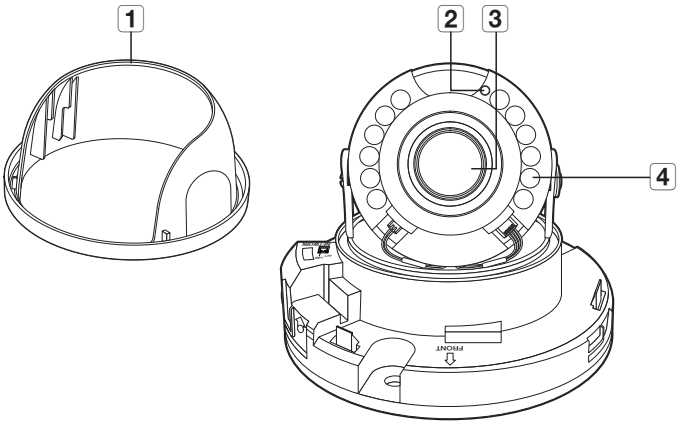
INFORMAÇÕES RESUMIDAS (LND-6070R)

Aparência



Item	Descrição
1 Tampa do Dome	Tampa da caixa usada para proteger a lente e a unidade principal.
2 Caixa da câmera	Parte da caixa que cobre o corpo da câmera.

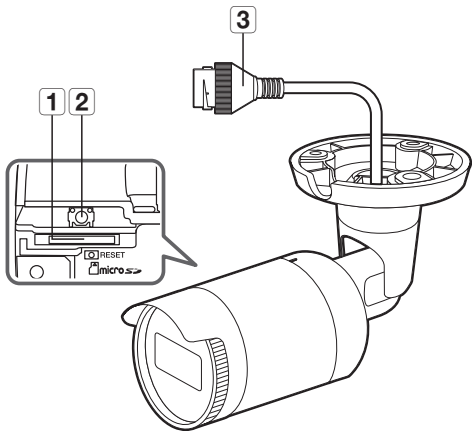
Componentes



Item	Descrição	
<b>1</b> Cobertura interior	Cobertura protetora para o corpo principal.	
<b>2</b> Sensor de iluminação	Detecta a luz de entrada para controlar o LED de IV.	
<b>3</b> Lente	Lentes da câmera.	
<b>4</b> LED de IV	Esses LEDs de infravermelho são controlados pelo sensor de iluminação.	
<b>5</b> Conector de PoE	Forneça a energia através do cabo Ethernet e conecte à rede.	
<b>6</b> Compartimento para cartões de memória Micro SD	Compartimento para cartões de memória Micro SD.	
<b>7</b> Botão Reset	<p>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.</p> <p><b>!</b> Se você reinicializar a câmera, as configurações de rede serão ajustadas para que o DHCP possa ser ativado. Se não houver nenhum servidor DHCP na rede, você deve executar o programa Instalador de IP para alterar as configurações básicas de rede, como o endereço IP, a máscara de sub-rede, o gateway, etc., antes que seja possível conectar-se à rede.</p>	
<b>8</b> Alavanca de controle de zoom	T	Ampliar (aproximar imagem) (Tele)
	W	Reduzir (afastar imagem) (Grande Angular)
Liberte a alavanca e mova-a para a esquerda ou para a direita para fazer zoom in ou zoom out na lente. Rode a alavanca no sentido horário para fixar a posição ajustada para evitar que se mova.		
<b>9</b> Alavanca de controle do foco	N	Focar em um objeto próximo (Perto)
	F	Focar em um objeto distante (Longe)
Solte a alavanca e mova-a para a esquerda ou direita para ajustar o foco da lente. Rode a alavanca no sentido horário para fixar a posição ajustada para evitar que se mova.		

INFORMAÇÕES RESUMIDAS (LNO-6010R/6020R/6030R)

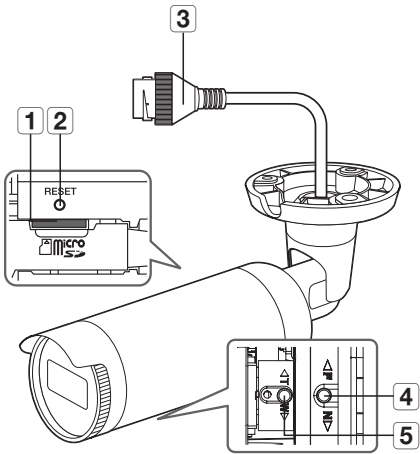
Aparência



Item	Descrição
1 Ranhura para cartão Micro SD	(Espaço interno do produto) Esta é uma ranhura na qual você pode inserir um cartão Micro SD.
2 Botão Reset	O botão restaura todas as configurações da câmera com os valores padrão de fábrica. Pressione e mantenha pressionado por cerca de 5 segundos para reiniciar o sistema. <b>I</b> Se você reinicializar a câmera, as configurações de rede serão ajustadas para que o DHCP possa ser ativado. Se não houver nenhum servidor DHCP na rede, você deve executar o programa Instalador de IP para alterar as configurações básicas de rede, como o endereço IP, a máscara de sub-rede, o gateway, etc., antes que seja possível conectar-se à rede.
3 Conector de PoE	Forneça a energia através do cabo Ethernet e conecte à rede.

INFORMAÇÕES RESUMIDAS (LNO-6070R)

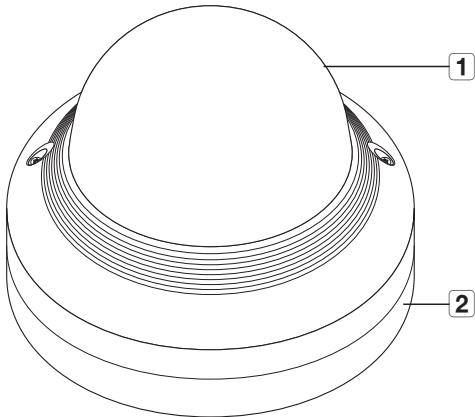
Aparência



Item	Descrição
1 Ranhura para cartão Micro SD	(Espaço interno do produto) Esta é uma ranhura na qual você pode inserir um cartão Micro SD.
2 Botão Reset	O botão restaura todas as configurações da câmera com os valores padrão de fábrica. Pressione e mantenha pressionado por cerca de 5 segundos para reiniciar o sistema. <b>I</b> Se você reinicializar a câmera, as configurações de rede serão ajustadas para que o DHCP possa ser ativado. Se não houver nenhum servidor DHCP na rede, você deve executar o programa Instalador de IP para alterar as configurações básicas de rede, como o endereço IP, a máscara de sub-rede, o gateway, etc., antes que seja possível conectar-se à rede.
3 Conector de PoE	Forneça a energia através do cabo Ethernet e conecte à rede.
4 Alavanca de controle do foco	N Focar em um objeto próximo (Perto)
	F Focar em um objeto distante (Longe)
5 Alavanca de controle de zoom	Solte a alavanca e mova-a para a esquerda ou direita para ajustar o foco da lente. Rode a alavanca no sentido horário para fixar a posição ajustada para evitar que se mova.
	T Ampliar (aproximar imagem) (Tele)
	W Reduzir (afastar imagem) (Grande Angular)

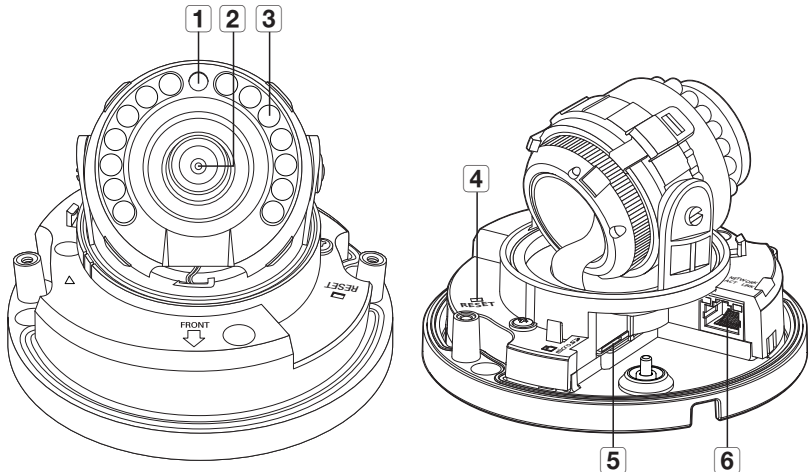
INFORMAÇÕES RESUMIDAS (LNV-6010R/6020R/6030R)

Aparência



Item	Descrição
1 Tampa do Dome	Tampa da caixa usada para proteger a lente e a unidade principal.
2 Caixa da câmera	Parte da caixa que cobre o corpo da câmera.

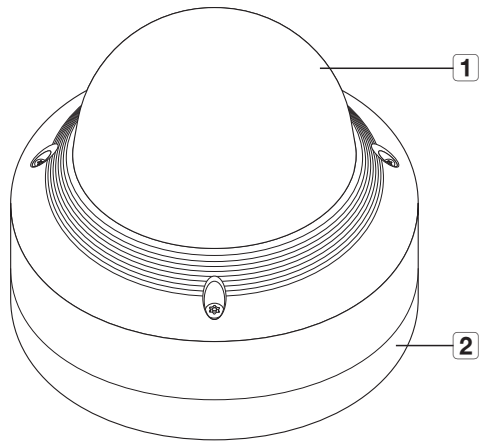
Componentes



Item	Descrição
1 Sensor de iluminação	Detecta a luz de entrada para controlar o LED de IV.
2 Lente	Lentes da câmera.
3 LED de IV	Esses LEDs de infravermelho são controlados pelo sensor de iluminação.
4 Botão Reset	<p>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.</p> <p>■ Se você reinicializar a câmera, as configurações de rede serão ajustadas para que o DHCP possa ser ativado. Se não houver nenhum servidor DHCP na rede, você deve executar o programa Instalador de IP para alterar as configurações básicas de rede, como o endereço IP, a máscara de sub-rede, o gateway, etc., antes que seja possível conectar-se à rede.</p>
5 Compartimento para cartões de memória Micro SD	Compartimento para cartões de memória Micro SD.
6 Conector de PoE	Forneça a energia através do cabo Ethernet e conecte à rede.

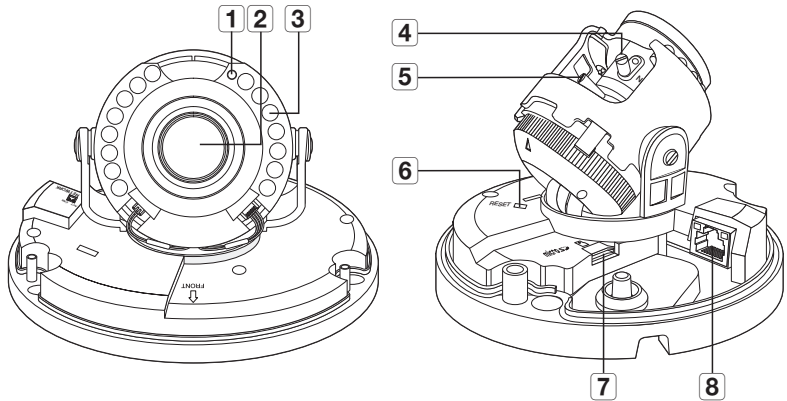
INFORMAÇÕES RESUMIDAS (LNV-6070R)

Aparência



Item	Descrição
1 Tampa do Dome	Tampa da caixa usada para proteger a lente e a unidade principal.
2 Caixa da câmera	Parte da caixa que cobre o corpo da câmera.

Componentes



Item	Descrição	
1 Sensor de iluminação	Detecta a luz de entrada para controlar o LED de IV.	
2 Lente	Lentes da câmera.	
3 LED de IV	Esses LEDs de infravermelho são controlados pelo sensor de iluminação.	
4 Alavanca de controle do foco	N	Focar em um objeto próximo (Perto)
	F	Focar em um objeto distante (Longe)
5 Alavanca de controle de zoom	Solte a alavanca e mova-a para a esquerda ou direita para ajustar o foco da lente. Rode a alavanca no sentido horário para fixar a posição ajustada para evitar que se mova.	
	T	Ampliar (aproximar imagem) (Tele)
	W	Reduzir (afastar imagem) (Grande Angular)
6 Botão Reset	Liberte a alavanca e mova-a para a esquerda ou para a direita para fazer zoom in ou zoom out na lente. Rode a alavanca no sentido horário para fixar a posição ajustada para evitar que se mova.	
	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 nenhum servidor DHCP na rede, você deve executar o programa Instalador de IP para alterar as configurações básicas de rede, como o endereço IP, a máscara de sub-rede, o gateway, etc., antes que seja possível conectar-se à rede.	
7 Compartimento para cartões de memória Micro SD	Compartimento para cartões de memória Micro SD.	
8 Conector de PoE	Fornece a energia através do cabo Ethernet e conecta à rede.	

## INSTALAÇÃO (LND-6010R/6020R/6030R/6070R)

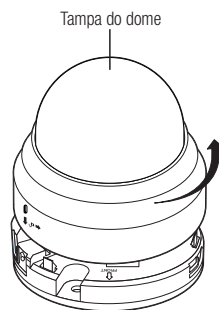
### Precauções antes da instalação

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

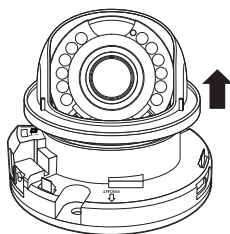
- Deve ser instalada em área (teto ou parede) que possa suportar 5 vezes o peso da câmera incluindo o suporte de instalação.
- Cabos presos ou desencapados podem causar danos ao produto ou um incêndio.
- Por motivos de segurança, mantenha outras pessoas longe do local de instalação. E coloque os pertences pessoais longe do local, apenas por precaução.
- Para a câmera de lente focal variável manual, características como o foco e o zoom devem ser ajustadas antes da instalação.  
Ao ajustar estas, certifique-se de que previne que substâncias estranhas fiquem grudadas.

### Desmontando

1. Use uma mão para segurar a parte inferior da câmera e gire a tampa no sentido anti-horário com a outra mão para a separar.

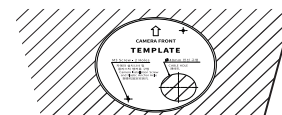


2. Levante a tampa interna para a separar.



### Instalação

1. Fixe o modelo de instalação no local desejado, e faça os furos seguindo o modelo.

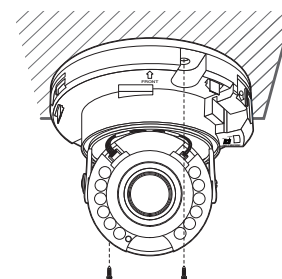


2. Use os parafusos roscantes fornecidos para fixar a câmera nos furos feitos através do modelo.

- Defina a marca < ↑ > impressa na câmera para apontar na direção do monitoramento da câmera.

3. Conecte o terminal interno da câmera ao cabo correspondente.

4. Ajuste a lente em uma direção desejada consultando a seção "Ajustando a direção de monitoramento da câmera". (Página 20)

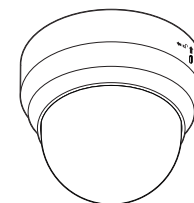
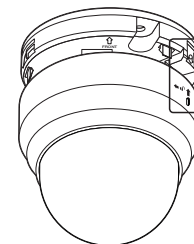


- ! ■ Recomendamos que não toque na lente em separado, pois foi enviada da fábrica com o foco ajustado corretamente depois da inspeção estar concluída. Tocar na lente pode fazer com que o foco fique distorcido ou que a lente fique suja. (LND-6010R/6020R/6030R)
- Para a câmera de lente focal variável manual, características como o foco e o zoom devem ser ajustadas antes da instalação. Ao ajustar estas, certifique-se de que previne que substâncias estranhas fiquem grudadas. (LND-6070R)

5. Por favor, conecte a tampa interna ao corpo principal.

6. Segurando o lado inferior da câmera com a mão, por favor, agarre e empurre a sua tampa com a outra mão para alinhar o sinal das duas setas, como é mostrado na figura.

- ! ■ Para montar a tampa da campânula, faça coincidir as setas e pressione firmemente a tampa.  
Se a tampa da cúpula for rodada durante a montagem ou for montada incorretamente, pode ocorrer a reflexão difusa ou a seção das lentes pode rodar, o que vai fazer com que o alcance do disparo se altere.
- Certifique-se de que a tampa está conectada corretamente à parte inferior como mostra a figura abaixo.  
Se o encaixe não ficar bem feito, a tampa pode cair, podendo causar ferimentos.



## INSTALAÇÃO (LNO-6010R/6020R/6030R/6070R)

- ! ■ 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.

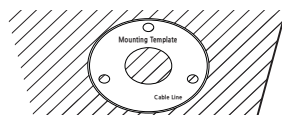
### Precauções antes da instalação

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

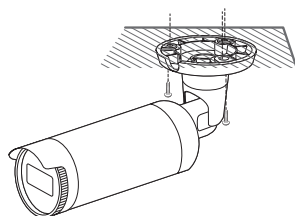
- Deve ser instalada em área (teto ou parede) que possa suportar 5 vezes o peso da câmara incluindo o suporte de instalação.
- Cabos presos ou desencapados podem causar danos ao produto ou um incêndio.
- Por motivos de segurança, mantenha outras pessoas longe do local de instalação. E coloque os pertences pessoais longe do local, apenas por precaução.
- Para a câmara de lente focal variável manual, características como o foco e o zoom devem ser ajustadas antes da instalação. Ao ajustar estas, certifique-se de que previne que substâncias estranhas fiquem grudadas.

### Instalação

1. Fixe o modelo de instalação no local desejado, e faça os furos seguindo o modelo.



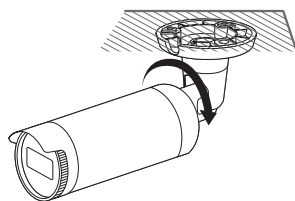
2. Use os parafusos roscantes fornecidos para fixar a câmara nos furos feitos através do modelo.



3. Conecte os cabos adequados com os terminais da câmara.

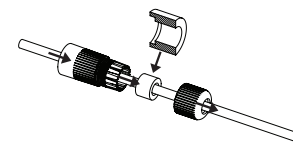
4. Ajuste a orientação da câmara usando uma chave Phillips.

- ! ■ Quando você ajustar a posição da câmara usando um suporte, por favor, afrouxe o parafuso do suporte, ajuste a câmara, e aperte-o. Se tentar ajustá-lo à força, estando o parafuso apertado, pode riscar ou causar outros problemas.

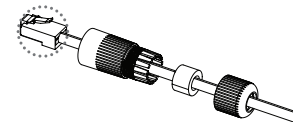


## Como conectar o cabo impermeável RJ45 a um cabo de LAN

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

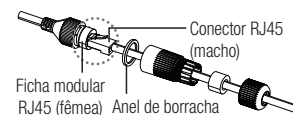


2. Conecte o conector de LAN (macho) ao cabo.

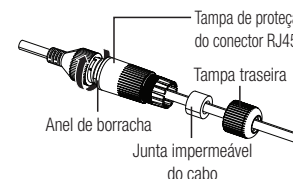


3. Conecte a ficha modular RJ45 (fêmea) ao conector RJ45 (macho).

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

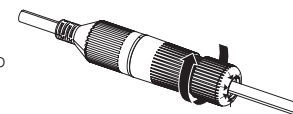


4. Monte girando a ficha modular RJ45 (fêmea) e a tampa de proteção RJ45 no sentido horário (Siga a seta).



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 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.

1. Conecte o cabo PoE.

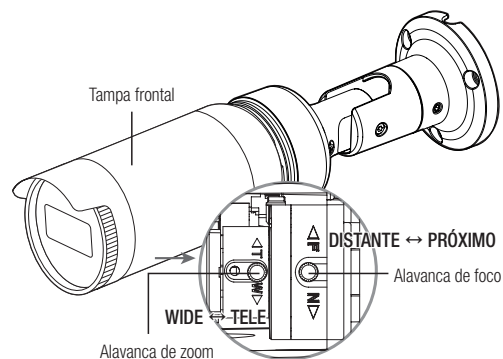
2. Envolver o revestimento do cabo negro (Área A) e a área de ligação do cabo com tape impermeável (borracha butílica) de modo que mais de metade da fita de borracha de butilo esteja sobreposta.



- ! ■ 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.

## Para ajustar o fator de zoom ou foco (LNO-6070R)

1. Solte a tampa frontal, conforme mostrado.
2. Solte a alavanca de zoom/foco ligeiramente.
3. Posicione a alavanca de zoom/foco em WIDE (PRÓXIMO) ou TELE (DISTANTE), conforme apropriado.
4. Em seguida, aperte a alavanca de zoom/foco para fixar a posição ajustada.
5. Gire a tampa frontal para apertá-la.

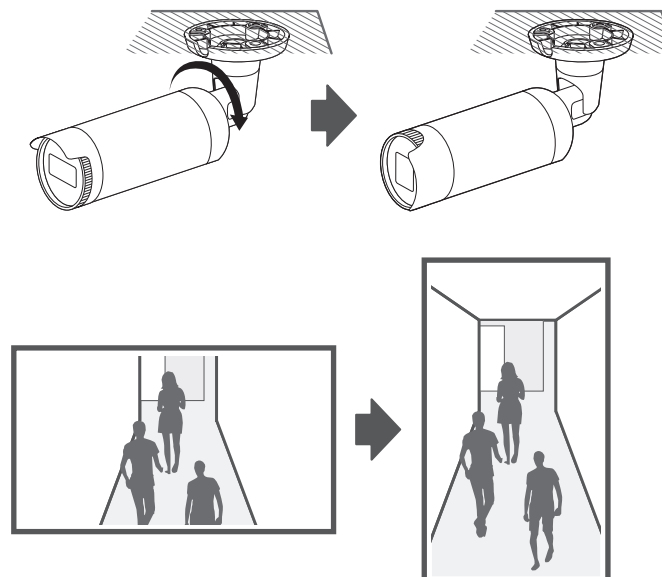


- ! ■ Para garantir uma total impermeabilização, aperte a tampa frontal girando-a até o final. Ao combinar a tampa frontal, por favor combine o corpo principal e a tampa frontal de modo a que o indicador de BLOQUEIO fique trancado.
- Use a alavanca para ajustar o fator de zoom ou foco e gire-a no sentido horário para fixá-la.
- Antes que você possa ajustar o fator de zoom/foco da lente, solte e remova a tampa frontal.

## Vista de corredor

A câmera pode ser girada para aumentar a área de monitoramento vertical para uma proporção de 9:16, tornando-a apropriada para corredores estreitos e passadiços.

- ! ■ Gire tanto o corpo da câmera como a cobertura frontal.



## INSTALAÇÃO (LNV-6010R/6020R/6030R/6070R)



- 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.

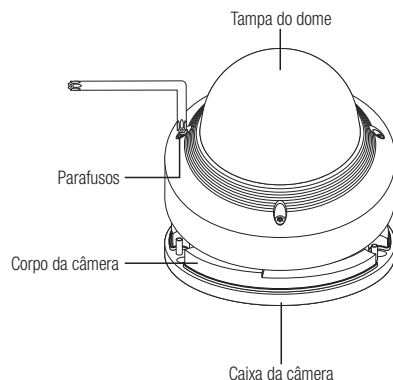
### Precauções antes da instalação

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

- Deve ser instalada em área (teto ou parede) que possa suportar 5 vezes o peso da câmara incluindo o suporte de instalação.
- 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.
- Para a câmara de lente focal variável manual, características como o foco e o zoom devem ser ajustadas antes da instalação. Ao ajustar estas, certifique-se de que previne que substâncias estranhas fiquem grudadas.

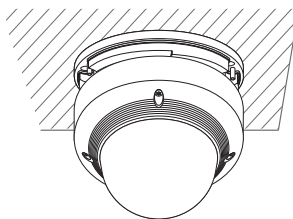
### Desmontando

- Retire a cobertura da cúpula desapertando os parafusos de fixação rodando-os no sentido anti-horário usando a chave em forma de estrela fornecida.



### Instalação

- Fixe o modelo de instalação no local desejado, e faça os furos seguindo o modelo.
- Use os parafusos roscentes fornecidos para fixar a câmara nos furos feitos através do modelo.
- Conecte e organize os cabos necessários para que não sejam danificados ou torcidos durante a instalação da câmara.
- Ajuste a lente em uma direção desejada consultando a seção "**Ajustando a direção de monitoramento da câmara**". (Página 20)
- Feche a tampa do dome.
  - Aperte firmemente os parafusos de fixação usando a chave em forma de estrela para evitar fugas de água.

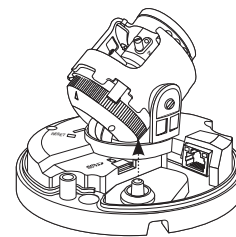


### Ligando o cabo LAN

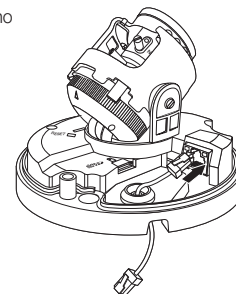
- Remova a tampa do dome e a caixa.
- Puxe a parte longa projetada do tampão de borracha na parte inferior e retire-o conforme apresentado na figura.



- Use uma bucha de cabo apropriada para o cabo LAN a conectar.
  - Câmera: use o cabo com um diâmetro de Ø5~6,5.
  - Componentes fornecidos: use o cabo com um diâmetro de Ø7~8,5.



- Insira o cabo LAN através do furo criado pela remoção da parte saliente no passo 2.
- Remova a bainha com um cortador de cabos, e alinhe os cabos.
- Conecte o cabo LAN com um conector LAN e introduza-o na ferramenta LAN.
- Conecte o cabo acabado porta de Ethernet.



### Conectando ao adaptador não fornecido

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

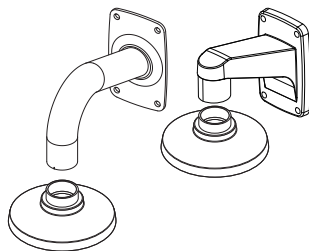
- Remova a tampa do dome da caixa, consultando a seção "**Desmontando**". (Página 18)
- Use o parafuso da máquina fornecido para fixar a caixa da câmara ao adaptador não fornecido.
- Conecte e organize os cabos necessários para que não sejam danificados ou torcidos durante a instalação da câmara.
- Instale o corpo da câmara na ordem inversa de "**Desmontando**".
- Ajuste a lente em uma direção desejada consultando a seção "**Ajustando a direção de monitoramento da câmara**". (Página 20)
- Feche a tampa do dome.
  - Aperte firmemente o parafuso autorroscante usando uma chave em L para evitar um vazamento de água.

## Acessórios opcionais para instalação

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

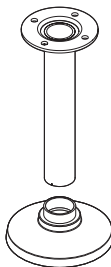
1. ADAPTADOR DE MONTAGEM EM PAREDE (SBP-300WMW1)/  
ADAPTADOR DE MONTAGEM (SBP-122HMMW : LND-6070R,  
LNV-6010R/6020R/6030R, SBP-301HMMW2 : LNV-6070R, SBP-  
300HMMW7 : LND-6010R/6020R/6030R)

Este adaptador é usado ao instalar a câmera dome em uma parede.



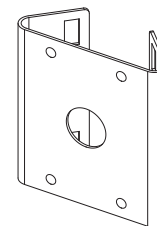
2. ADAPTADOR DE MONTAGEM NO TETO (SBP-300CM)/  
ADAPTADOR DE MONTAGEM (SBP-122HMMW : LND-6070R, LNV-  
6010R/6020R/6030R, SBP-301HMMW2 : LNV-6070R, SBP-300HMMW7 :  
LND-6010R/6020R/6030R)

Este adaptador é usado ao instalar a câmera dome em um teto de concreto.



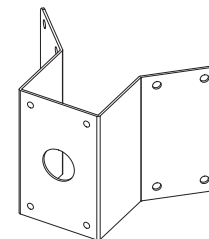
3. ADAPTADOR DE MONTAGEM EM POSTE (SBP-300PM)

Este é um adaptador para a instalação do ADAPTADOR DE MONTAGEM EM PAREDE (SBP-300WM ou SBP-300WM1) em um poste cujo diâmetro seja maior que 80mm.

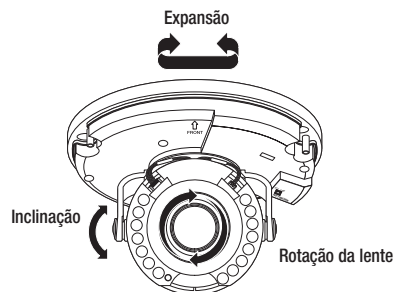


4. ADAPTADOR DE MONTAGEM EM CANTO (SBP-300KM)

Este é um adaptador para a instalação do ADAPTADOR DE MONTAGEM EM PAREDE (SBP-300WM ou SBP-300WM1) em um canto de uma parede.



## Ajustando a direção de monitoramento da câmera (LND-6010R/6020R/6030R/6070R, LNV-6010R/6020R/6030R/6070R)



### ▪ 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 faixa efetiva de expansão é um total de 350 graus.
- A faixa efetiva de rotação é um total de 355 graus.
- A faixa efetiva de inclinação é um total de 67 graus.



- A imagem pode ser tapada pela carcaça da câmera dependendo do ângulo.
- Não gire o foco/zoom da lente com demasiada força após a desmontagem da tampa do dome. Caso contrário, isso causará erro de foco devido a falha no motor.

### ▪ Métodos de ajuste

1. Depois de instalar a câmera, ajuste o ângulo de expansão considerando a direção de monitoramento.
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.

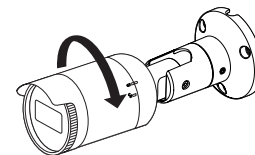
## INSERINDO/REMOVENDO UM CARTÃO DE MEMÓRIA MICRO SD



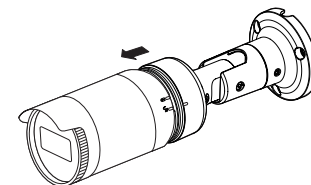
- Desconecte o cabo de alimentação da câmera antes de inserir o cartão de memória Micro SD.
- Não insira o cartão de memória Micro SD enquanto estiver virado para baixo com força. Caso contrário, isso pode danificar o cartão de memória Micro SD.
- Quando chove ou a umidade é alta, não é recomendada a 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 (LNO-6010R/6020R/6030R/6070R)

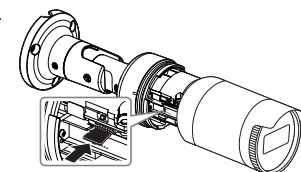
1. Rode a tampa dianteira para DESBLOQUEAR [↺] a direção.



2. Puxe e separe a tampa frontal.

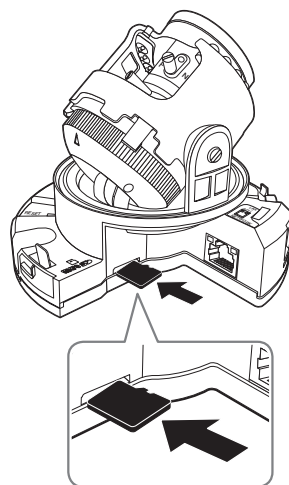


3. Insira um cartão Micro SD na direção da seta mostrada na figura.

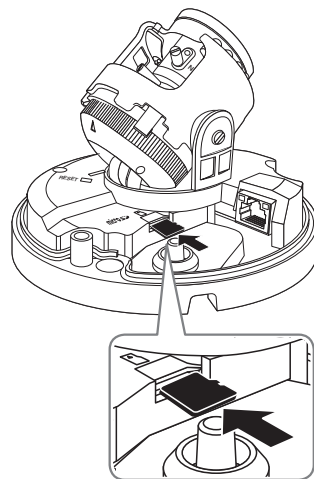


## Inserindo um cartão de memória Micro SD (LND-6010R/6020R/6030R/6070R, LNV-6010R/6020R/6030R/6070R)

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



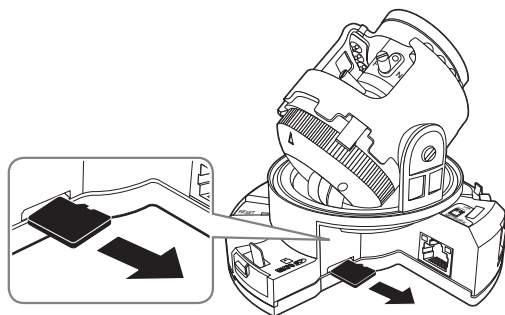
<LND-6010R/6020R/6030R/6070R>



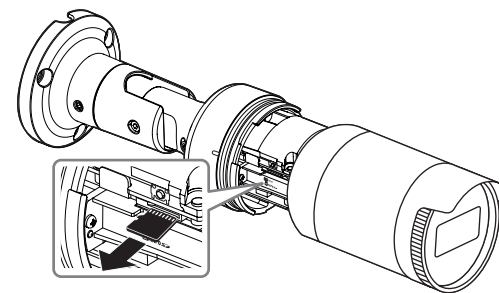
<LNV-6010R/6020R/6030R/6070R>

## Removendo um cartão de memória Micro SD

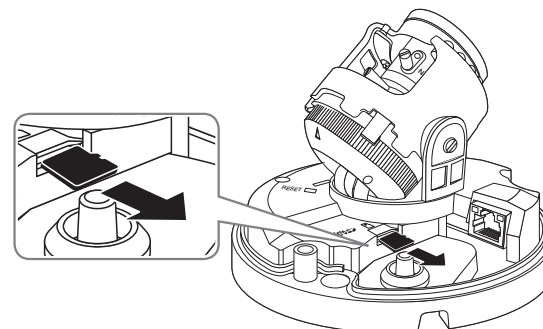
Pressione com cuidado a extremidade exposta do cartão de memória, conforme mostrado na figura, para ejetá-lo do slot.



<LND-6010R/6020R/6030R/6070R>



<LND-6010R/6020R/6030R/6070R>




<LNV-6010R/6020R/6030R/6070R>

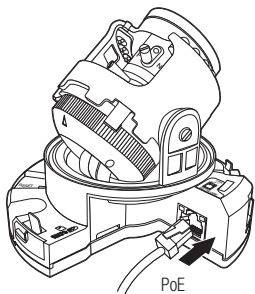


- Por favor, note que se você empurrar firmemente e libertar o cartão de memória Micro SD quando ele é ejetado, este poderá saltar.
- Antes de remover o cartão de memória SD, em <Armazenamento>, defina o dispositivo para <Desl.> e pressione o botão [Aplicar] e desligue a câmera.
- Se desligar a câmera ou remover o micro cartão de memória SD que contém dados do produto, os dados podem se perder ou se danificar.

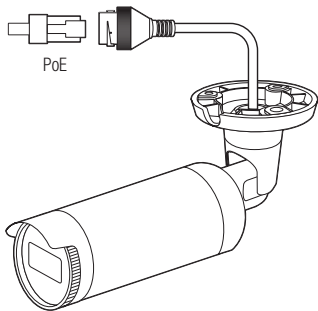
ALIMENTAÇÃO E REDE

Conecte o seu dispositivo PoE à câmera.

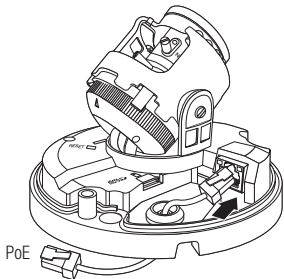
- 
- Conecte a um Conector PoE (Power over Ethernet) de um roteador com PoE habilitado.
  - Use um equipamento PoE (Power over Ethernet) que suporte o padrão IEEE802.3af.



<LND-6010R/6020R/6030R/6070R>



<LNO-6010R/6020R/6030R/6070R>



<LNV-6010R/6020R/6030R/6070R>

Especificação do Cabo de Rede

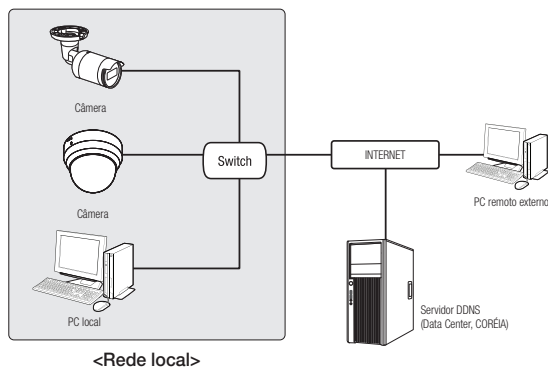
Item	Conteúdos	Comentário
Conector	RJ45	
Ethernet	10/100BASE-T	10/100 Mbps
Cabo	Categoria 5e UTP	
Distância Máxima	100M	Resistência CC ≤ 0.188 Ω/m
Suporte PoE	IEEE 802.3af	

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

## CONECTANDO A CÂMERA DIRETAMENTE À REDE LOCAL

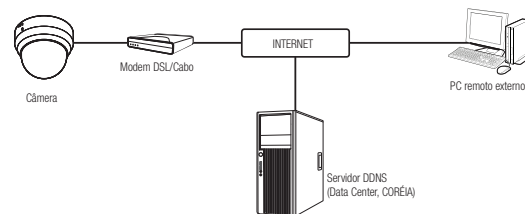
### Conectando a câmera a partir de um PC local na LAN

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 instalador IP, pode usar a senha inicial, "4321" para definir o endereço IP, máscara de sub-rede, gateway, porta HTTP, porta VNP, 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 IP Installer. Para obter mais detalhes sobre como usar o IP Installer, consulte "Configuracao de IP estatico". (Página 25)

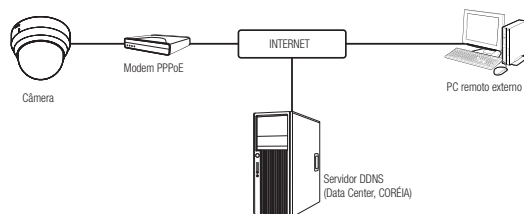
## CONECTANDO A CÂMERA DIRETAMENTE A UM DHCP COM BASE NO MODEM DSL/CABO



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

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

## CONECTANDO A CÂMERA DIRETAMENTE A UM MODEM PPPoE

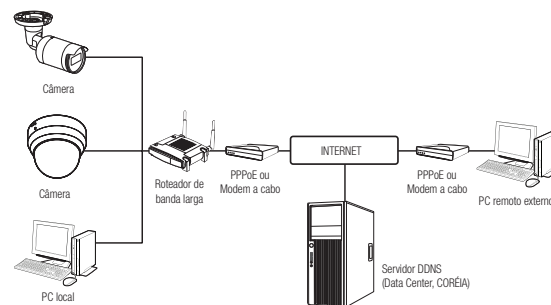


1. Conecte o PC do usuário diretamente à câmera de rede.
2. Execute o instalador de IP e altere o endereço IP da câmera para que você possa usar o navegador da Web em sua área de trabalho para conectar-se à Internet.
3. Use o navegador da Internet para conectar-se ao visualizador da web.
4. Vá para a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

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

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

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



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

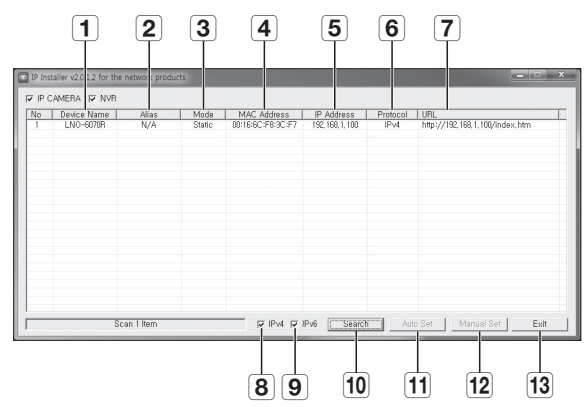
Ao definindo as configurações de rede do PC local conectado a um Roteador de banda larga, siga as instruções abaixo.

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

- Para o endereço do Roteador de banda larga, consulte a documentação do produto.
- Para obter mais informações sobre o encaminhamento de porta do roteador de banda larga, consulte "Configuração do Avanço da Faixa da Porta (Mapeamento de Porta)". (Página 27)



BOTÕES USADOS NO INSTALADOR DE IP



Item	Descrição
1 Device Name	Nome do modelo da câmera conectada. Clique na coluna para classificar a lista por nome de modelo. No entanto, a pesquisa será parada se clicada durante a pesquisa.
2 Alias	Esta função não está atualmente implementada.
3 Mode	Exibe <Static>, <Dynamic> ou <PPPoE> para o status atual de conexão de rede atual.
4 MAC(Ethernet) Address	Endereço Ethernet para a câmera conectada. Clique na coluna para classificar a lista por endereço Ethernet. No entanto, a pesquisa será parada se clicada durante a pesquisa.
5 IP Address	Endereço IP. Clique na coluna para classificar a lista por endereço IP. No entanto, a pesquisa será parada se clicada durante a pesquisa.
6 Protocol	Configuração da rede para a câmera. O padrão de fábrica é "IPv4". As câmeras com a configuração IPv6 serão exibidas com "IPv6".
7 URL	O endereço de URL DDNS que permite o acesso da Internet externa. No entanto, isso será substituído pelo <IP Address> da câmera, se o registro DDNS tiver falhado.
8 IPv4	Procura pelas câmeras com a configuração IPv4.

Item	Descrição
9 IPv6	Procura pelas câmeras com a configuração IPv6. Ativado somente em um ambiente compatível com IPv6.
10 Search	Procura pelas câmeras atualmente conectadas à rede. No entanto, este botão ficará esmaecido se IPv4 e IPv6 não estiverem marcados.
11 Auto Set	O IP Installer configura automaticamente a rede.
12 Manual Set	Você deve definir as configurações de rede manualmente.
13 Exit	Sai do programa Instalador de IP.

■ Para o IP Installer, use apenas a versão do instalador fornecida no CD de instalação ou use a última, se disponível. Você pode baixar a última versão no site da Hanwha Techwin.

CONFIGURAÇÃO DE IP ESTÁTICO

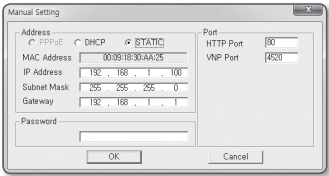
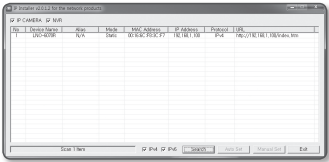
Configuração de rede manual

Execute <IP Installer\_v2.XX.exe> para exibir a lista de pesquisa da câmera.  
Na inicialização inicial, tanto [Auto Set] como [Manual Set] estarão esmaecidos.

■ Para câmeras com a configuração IPv6, esses botões estarão esmaecidos porque as câmeras não possuem suporte para esta função.

- Selecione uma câmera na lista de pesquisa.  
Verifique o endereço MAC da câmera na etiqueta da mesma.  
Tanto o botão [Auto Set] como o botão [Manual Set] estarão ativados.
- Clique em [Manual Set].  
A caixa de diálogo Manual Setting é exibida.  
<IP Address>, <Subnet Mask>, <Gateway>, <HTTP Port>, e <VNP Port> da câmera são exibidos nos valores predefinidos.
- No painel <Address>, forneça as informações necessárias.
  - MAC (Ethernet) Address : O endereço MAC impresso na etiqueta da câmera é exibido automaticamente e não necessita de qualquer configuração realizada pelo usuário.

■ Os parâmetros relacionados com IP podem apenas ser definidos quando DHCP não está assinalado.



Se não estiver usando um Roteador de banda larga

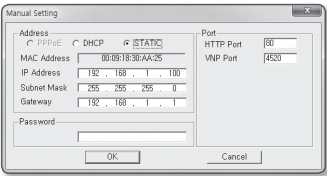
Para configurar <IP Address>, <Subnet Mask> e <Gateway>, entre em contato com seu administrador de rede.

4. No painel <Port>, forneça as informações necessárias.

- HTTP Port : Usada para acessar a câmera usando o navegador da Internet, definida, por padrão, como 80.
- VNP Port : Usada para controlar a transferência de sinal, definida, por padrão, como 4520.

5. Digite a senha.

Insira a senha da conta “admin” que foi usada para acessar a câmera.



- ! Para fins de segurança, lhe recomendamos que use uma combinação de números, letras maiúsculas e minúsculas e caracteres especiais para definir sua senha.
- Para informação sobre como alterar a senha, consulte a ajuda online do Visualizador Web.

6. Clique em [OK].

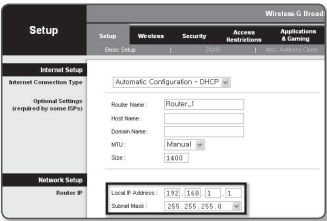
A configuração de rede manual será concluída.

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 27)

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

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

Categoria		Câmera #1	Câmera #2
Configurações relacionadas ao IP	IP Address	192.168.1.100	192.168.1.101
	Subnet Mask	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
Configurações relacionadas à porta	HTTP Port	8080	8081
	VNP Port	4520	4521

- 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

Configuração de rede automática

Execute <IP Installer\_v2.XX.exe> para exibir a lista de pesquisa da câmera.

Na inicialização inicial, tanto [Auto Set] como [Manual Set] estarão esmaecidos.

- Para câmeras com a configuração IPv6, esses botões estarão esmaecidos porque as câmeras não possuem suporte para esta função.

1. Selecione uma câmera na lista de pesquisa.

Localize o endereço MAC (Ethernet) identificado na parte traseira da câmera.

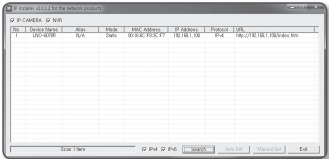
Tanto o botão [Auto Set] como o botão [Manual Set] estarão ativados

2. Clique em [Auto Set].

A caixa de diálogo Auto Setting é exibida. <IP Address>, <Subnet Mask> e <Gateway> serão automaticamente configurados.

3. Digite a senha.

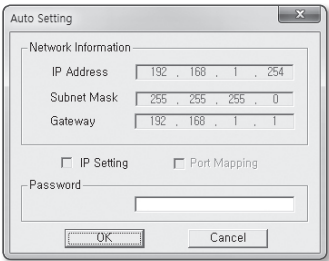
Insira a senha da conta “admin” que foi usada para acessar a câmera.



- ! Para fins de segurança, lhe recomendamos que use uma combinação de números, letras maiúsculas e minúsculas e caracteres especiais para definir sua senha.
- Para informação sobre como alterar a senha, consulte a ajuda online do Visualizador Web.

4. Clique em [OK].

A configuração de rede automática será concluída.



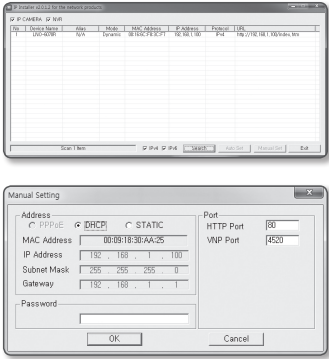
# CONFIGURAÇÃO DE IP DINÂMICO

## Configuração de ambiente de IP dinâmico

- 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

## Verificando o IP dinâmico

- Execute o IP Installer no computador local do usuário.  
As câmeras alocadas com o endereço <Dynamic IP> são mostradas na lista.
- Selecione uma câmera nos resultados da pesquisa.
- Clique no botão [Manual Set] e verifique o endereço <Dynamic IP> da câmera.  
Se você desmarcar <DHCP>, você poderá mudar o IP para <Static>.

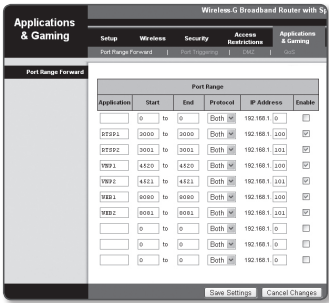


# CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

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

- 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.
- 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.



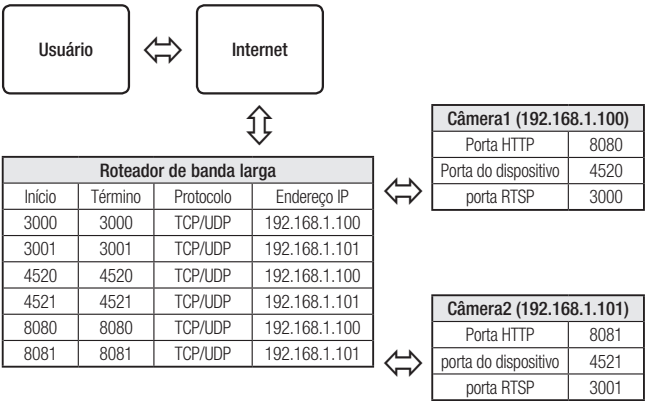
- Quando concluído, clique em [Save Settings].  
Suas configurações serão salvas.

- As instruções de exemplo acima são baseadas no Roteador de banda larga da 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.

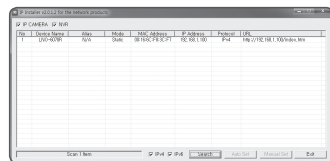
Quando a Câmera1 e Câmera2 estiverem conectadas a um roteador :



- 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 IP Installer.  
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

Uma vez que não é permitido o uso do IP Installer em um computador remoto que não se encontra no cluster de redes do Roteador de banda larga, os usuários podem acessar as câmeras dentro de uma rede do Roteador de banda larga usando o URL DDNS da câmera.

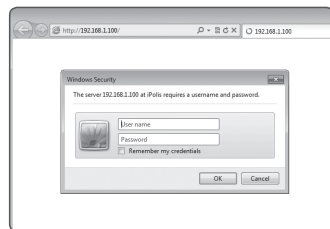
1. Antes de acessar uma câmera na rede do Roteador de banda larga, você deve ter configurado o avanço de faixa de porta para o Roteador de banda larga.
2. No PC remoto, ative o navegador da Internet e digite o endereço de URL DDNS da câmera ou o endereço IP do Roteador de banda larga na barra de endereço.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

- Para informação sobre como registrar o DDNS, consulte o guia de configuração de rede.

## 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.

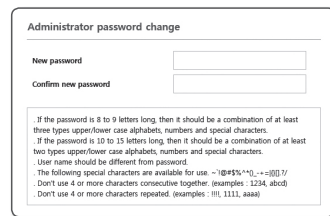
Uma vez que você registrar um dispositivo baseado em IP dinâmico com o servidor DDNS, poderá facilmente verificar o IP alterado quando tentar acessar o dispositivo.

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 <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.

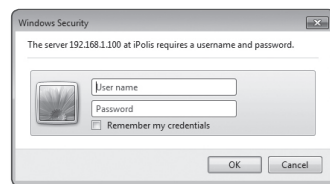
- ! ■ Para uma nova senha com 8 a 9 dígitos, você deve usar pelo menos 3 dos seguintes: letras maiúsculas/minúsculas, números e caracteres especiais. Para uma senha com 10 a 15 dígitos, você deve usar pelo menos 2 tipos dos mencionados.
  - Caracteres especiais são permitidos: ~!@#\$%^&\*()\_+=[]{}?/
- 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 visualizador da web tem um plug-in de visualizador da web incorporado e um novo visualizador a web em plug-in juntos. Isso significa que o visualizador da web pode ser usado mesmo em ambientes de navegador moderno que não suportem plug-ins, tais como Chrome, EDGE e FireFox (apenas Windows 64bit). Recomendamos a instalação do plug-in no navegador IE, o qual permite a instalação de plug-ins.  
A seguintes diferenças irão ocorrer dependendo do ambiente de seu navegador:

- **Chrome, FireFox(apenas Windows 64bit), 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.
  - Um perfil sem plug-in é criado automaticamente quando existe um atraso no vídeo ao vivo.
  - A reprodução pode causar atrasos, dependendo do codec e da resolução.
- A característica sem plug-in foi otimizada para o navegador Chrome.
- **IE browser** : Você pode usar um visualizador da web mesmo se não instalar o visualizador da web com plug-in existente.
- ! ■ Para monitorizar/reproduzir um vídeo salvo sem problemas, é necessário instalar um plug-in.

## INSTALANDO O PLUG-IN DO WebViewer

Se você tentar acessar o visualizador da web sem plug-in a partir do navegador IE e pedir uma visualização ao vivo com um codec diferente do atualmente em uso, ou pedir para usar a função de reprodução de vídeo gravado, aparece uma mensagem de instalação. Nesse momento, o plug-in do visualizador da web deve ser instalado para usar as funções normalmente.

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.

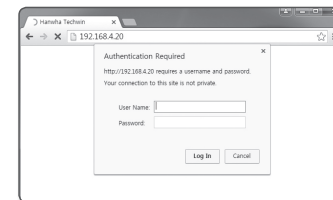


- No seu Internet Explorer, se você precisar passar para a tela de instalação depois de instalar o Plug-in do visualizador Web, verifique se o `webviewer_activeplugin_lib.control` no menu "Ferramenta → Gerenciamento adicional de função" está "ativado". Se não, e se houver um problema persistente, selecione "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 você conectar a uma câmera a partir do navegador da web Google Chrome, Mozilla Firefox, MS Edge ou Safari, você não pode instalar um plug-in em separado, mas pode visualizar e controlar os vídeos da câmera em tempo real, sem qualquer plug-in.

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 realizar ajustes das informações básicas, vídeo, rede, evento, análise e sistema da câmera através da rede.
4. Clique em **<Ajuda (❓)>** para visualizar as descrições detalhadas de cada função.

ESPECIFICAÇÕES

Itens		Descrição		
		LND-6010R/6020R/6030R	LNO-6010R/6020R/6030R	LNV-6010R/6020R/6030R
Vídeo	Dispositivo de imagem	1/2.9" 2.19M CMOS		
	Total de pixels	2,000(H) x 1,121(V)		
	Pixels efetivos	1,984(H) x 1,105(V)		
	Sistema de procura	Progressivo		
	Iluminação mín.	Cor : 0,18Lux (1/30seg, F2.0), 0,003Lux (2seg, F2.0) B/W : 0Lux (IR LED ligado)		
Lente	Distância focal (Taxa de zoom)	LND-6010R/LNO-6010R/LNV-6010R : 3mm LND-6020R/LNO-6020R/LNV-6020R : 4mm LND-6030R/LNO-6030R/LNV-6030R : 6mm		
	Taxa de abertura máx.	F 2.0		
	Campo angular de visão	LND-6010R/LNO-6010R/LNV-6010R : H : 102° / V : 54° / D : 120° LND-6020R/LNO-6020R/LNV-6020R : H : 80° / V : 43° / D : 94° LND-6030R/LNO-6030R/LNV-6030R : H : 51° / V : 29° / D : 58°		
	Distância mínima do objeto	0.5m(1.64ft)		
	Tipo de lente	Fixo		
	Tipo de montagem	Tipo de placa		
Panorâmica/ inclinação/ rotação	Faixa de panorâmica	0~350°	-	0~350°
	Faixa de inclinação	0~67°	-	0~67°
	Faixa de rotação	0~355°	-	0~355°
Operacional	Comprimento visualizável	20m	30m	
	Título da câmara	Desligado / ligado (Exibe até 15 caracteres)		
	Dia / Noite	Auto(ICR) / Cor / B/W / Agendamento		
	Compensação de luz de fundo	Desl. / BLC / WDR		

Itens	Descrição		
	LND-6010R/6020R/6030R	LNO-6010R/6020R/6030R	LNV-6010R/6020R/6030R
Operacional	Faixa dinâmica ampla	120dB	
	Aperfeiçoamento de contraste	SSDR (Desl. / Lig.)	
	Redução de ruído digital	SSNR (Desl. / Lig.)	
	Deteção de movimento	Desl. / Lig. (Zonas polígono 4ea)	
	Máscara de privacidade	Desl. / Lig. (Zonas retangulares 6ea)	
	Controle de ganho	Desl. / Baixo / Médio / Alto	
	Equilíbrio de branco	ATW / AWC / Manual / Interior / Exterior	
	LDC (lentes de correção de distorção)	Desl. / Lig. (5 níveis com Mín/Máx)	
	Velocidade do obturador eletrónico	Mínimo / Máximo / Anti cintilação	
	Rodar / Espelho	Rodar / Espelho / Vista de corredor	
	Análise de vídeo inteligente	Deteção de movimento, Adulteração	
	Acionadores de alarme	Deteção de movimento, deteção de alterações, erro no cartão SD	
Rede	Eventos de alarme	<ul style="list-style-type: none"><li>• Carregamento de arquivo por FTP, e-mail</li><li>• Notificação por e-mail</li><li>• Gravação do armazenamento local no Evento</li></ul>	
	Ethernet	RJ-45 (10/100BASE-T)	
	Formato de compressão de vídeo	H.264, MJPEG	
	Resolução	1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768 / 800x600 / 800x448 / 720x576 / 720x480 / 640x480 / 640x360 / 320x240	
	Taxa máxima de quadros	H.265/H.264 - Máx. 30 fps em todas as resoluções MJPEG - Máx. 1 fps em 1920x1080/1280x1024/1280x720/1024x768, Máx. 15 fps em outras resoluções	
	WiseStream II	Suporta	
	Ajuste da qualidade de vídeo	H.264/MJPEG : Controle do nível de taxa de bits alvo	



Itens	Descrição		
	LND-6010R/6020R/6030R	LNO-6010R/6020R/6030R	LNV-6010R/6020R/6030R
Rede	Método de controle de taxa de bits	H.264 : CBR ou VBR MJPEG : VBR	
	Capacidade de fluxo	Fluxo múltiplo (até 3 perfis)	
	E/S de Áudio	-	
	Formato de compressão do áudio	-	
	Audio Communication	-	
	IP	IPv4, IPv6	
	Protocolo	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour	
	Segurança	Autenticação de login HTTPS(SSL)	
		Autenticação de login Digest	
		Filtragem de endereço IP	
		Registro de acesso do usuário	
		Método de autenticação 802.1X (EAP-TLS, EAP-LEAP)	
	Método de fluxo	Unicast / Multicast	
	Acesso máx. de usuários	6 usuários no modo Unicast	
	Armazenamento local em cartão	Micro SD/SDHC (até 32G)	
		- As imagens de movimento gravadas no cartão de memória SD podem ser descarregadas. PC Local para Gravação Instantânea	
	Interface de Aplicação de Programação	ONVIF Profile S/G SUNAPI(HTTP API)	
	Idioma da página da Web	Inglês, Francês, Alemão, Espanhol, Italiano, Chinês, Coreano, Russo, Japonês, Sueco, Português, Tcheco, Polonês, Turco, Holandês, Húngaro, Grego	

Itens	Descrição		
	LND-6010R/6020R/6030R	LNO-6010R/6020R/6030R	LNV-6010R/6020R/6030R
Rede	Visualizador da Web	SO suportado : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 <b>Visualizador da web com plug-in gratuito</b> Navegadores suportados : Google Chrome 63, MS Edge 41, Mozilla Firefox 57 (apenas Windows 64bit), Apple Safari 11 (apenas Mac OS X) <b>Visualizador da web com plug-in</b> Navegadores suportados : MS Explorer 11	
	Software de gerenciamento central	SmartViewer, SSM	
Condições ambientais	Temperatura / umidade operacional	-10°C ~ +55°C (14°F ~ +131°F) / Menos de 90% UR	-30°C ~ +55°C (-22°F ~ +131°F) / Menos de 90% UR * O arranque deve ser feito acima de -20°C
	Temperatura / Umidade de armazenamento	-30°C ~ +60°C (-22°F ~ +140°F) / Menos de 90% UR	
	Proteção de ingresso	-	IP66
	Resistente a vandalismo	-	IK10
Elétrica	Tensão / corrente de entrada	PoE(IEEE802.3af, Classe 3)	
	Consumo de energia	6.5W	
Mecânica	Cor / material	Branco(RAL-9003) / Plásticos	Cinza escuro / Plásticos Branco(RAL-9003) / Alumínio, Plástico
	Dimensões (ØxA)	Ø110,0mm(4,33") x A86,0(3,39")mm	Ø58,6mm(2,31") x A182,0(7,17")mm Ø120,3mm(4,74") x A91,7(3,61")mm
	Peso	230g(0,51lb)	240g(0,53lb) 395g(0,87lb)

Itens	Descrição		
	LND-6070R	LNO-6070R	LNV-6070R
Video	Dispositivo de imagem	1/2.9" 2.19M CMOS	
	Total de pixels	2,000(H) x 1,121(V)	
	Pixels efetivos	1,984(H) x 1,105(V)	
	Sistema de procura	Progressivo	
	Iluminação mín.	Cor : 0,095Lux (1/30seg, F1.6), 0,003Lux (2seg, F1.6) B/W : 0Lux (IR LED ligado)	
Lente	Distância focal (Taxa de zoom)	3.2~10mm (3,1x) vari focal	
	Taxa de abertura máx.	F1.6~2.9	
	Campo angular de visão	H : 101,6°(Amplitude) ~ 31,3°(Tele) V : 54,1°(Amplitude) ~ 17,8°(Tele) D : 120,6°(Amplitude) ~ 36,0°(Tele)	
	Distância mínima do objeto	0.5m(1.64ft)	
	Controle de foco	Manual	
	Tipo de lente	Íris automática de DC	
	Tipo de montagem	Tipo de placa	
Panorâmica/ inclinação/ rotação	Faixa de panorâmica	0~350°	0~350°
	Faixa de inclinação	0~67°	0~67°
	Faixa de rotação	0~355°	0~355°
Operacional	Comprimento visualizável	20m	30m
	Título da câmara	Desligado / ligado (Exibe até 15 caracteres)	
	Dia / Noite	Auto(ICR) / Cor / B/W / Agendamento	
	Compensação de luz de fundo	Desl. / BLC / WDR	

Itens	Descrição		
	LND-6070R	LNO-6070R	LNV-6070R
Operacional	Faixa dinâmica ampla	120dB	
	Aperfeiçoamento de contraste	SSDR (Desl. / Lig.)	
	Redução de ruído digital	SSNR (Desl. / Lig.)	
	Deteção de movimento	Desl. / Lig. (Zonas polígono 4ea)	
	Máscara de privacidade	Desl. / Lig. (Zonas retangulares 6ea)	
	Controle de ganho	Desl. / Baixo / Médio / Alto	
	Equilíbrio de branco	ATW / AWC / Manual / Interior / Exterior	
	LDC (lentes de correção de distorção)	Desl. / Lig. (5 níveis com Mín/Máx)	
	Velocidade do obturador eletrónico	Mínimo / Máximo / Anti cintilação	
	Rodar / Espelho	Rodar / Espelho / Vista de corredor	
Rede	Análise de vídeo inteligente	Deteção de movimento, Adulteração	
	Acionadores de alarme	Deteção de movimento, deteção de alterações, erro no cartão SD	
	Eventos de alarme	<ul style="list-style-type: none"> <li>Carregamento de arquivo por FTP, e-mail</li> <li>Notificação por e-mail</li> <li>Gravação do armazenamento local no Evento</li> </ul>	
	Ethernet	RJ-45 (10/100BASE-T)	
	Formato de compressão de vídeo	H.264, MJPEG	
	Resolução	1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768 / 800x600 / 800x448 / 720x576 / 720x480 / 640x480 / 640x360 / 320x240	
	Taxa máxima de quadros	H.265/H.264 - Máx. 30 fps em todas as resoluções MJPEG - Máx. 1 fps em 1920x1080/1280x1024/1280x720/1024x768, Máx. 15 fps em outras resoluções	
	WiseStream II	Suporta	
	Ajuste da qualidade de vídeo	H.264/MJPEG : Controle do nível de taxa de bits alvo	

Itens	Descrição		
	LND-6070R	LNO-6070R	LNV-6070R
Rede	Método de controle de taxa de bits	H.264 : CBR ou VBR MJPEG : VBR	
	Capacidade de fluxo	Fluxo múltiplo (até 3 perfis)	
	E/S de Áudio	-	
	Formato de compressão do áudio	-	
	Audio Communication	-	
	IP	IPv4, IPv6	
	Protocolo	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour	
	Segurança	Autenticação de login HTTPS(SSL)	
		Autenticação de login Digest	
		Filtragem de endereço IP	
		Registro de acesso do usuário	
		Método de autenticação 802.1X (EAP-TLS, EAP-LEAP)	
	Método de fluxo	Unicast / Multicast	
	Acesso máx. de usuários	6 usuários no modo Unicast	
	Armazenamento local em cartão	Micro SD/SDHC (até 32G)	
		- As imagens de movimento gravadas no cartão de memória SD podem ser descarregadas. PC Local para Gravação Instantânea	
	Interface de Aplicação de Programação	ONVIF Profile S/G SUNAPI(HTTP API)	
	Idioma da página da Web	Inglês, Francês, Alemão, Espanhol, Italiano, Chinês, Coreano, Russo, Japonês, Sueco, Português, Tcheco, Polonês, Turco, Holandês, Húngaro, Grego	

Itens	Descrição		
	LND-6070R	LNO-6070R	LNV-6070R
Rede	Visualizador da Web	SO suportado : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 <b>Visualizador da web com plug-in gratuito</b> Navegadores suportados : Google Chrome 63, MS Edge 41, Mozilla Firefox 57 (apenas Windows 64bit), Apple Safari 11 (apenas Mac OS X) <b>Visualizador da web com plug-in</b> Navegadores suportados : MS Explorer 11	
	Software de gerenciamento central	SmartViewer, SSM	
Condições ambientais	Temperatura / umidade operacional	-10°C ~ +55°C (14°F ~ +131°F) / Menos de 90% UR	-30°C ~ +55°C (-22°F ~ +131°F) / Menos de 90% UR * O arranque deve ser feito acima de -20°C
	Temperatura / Umidade de armazenamento	-30°C ~ +60°C (-22°F ~ +140°F) / Menos de 90% UR	
	Proteção de ingresso	-	IP66
	Resistente a vandalismo	-	IK10
Elétrica	Tensão / corrente de entrada	PoE(IEEE802.3af, Classe 3)	
	Consumo de energia	6.5W	
Mecânica	Cor / material	Branco(RAL-9003) / Plásticos	Cinza escuro / Plásticos Branco(RAL-9003) / Alumínio, Plástico
	Dimensões (ØxA)	Ø119,8mm(4,72") x A98,8(3,89")mm	Ø78,0mm(3,07") x A262,0(10,32")mm Ø137,8mm(5,43") x A106,1(4,18")mm
	Peso	274g(0,6lb)	380g(0,84lb) 515g(1,16lb)

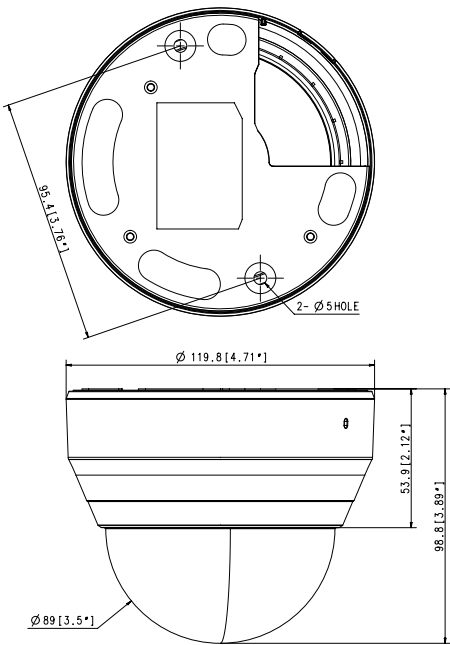
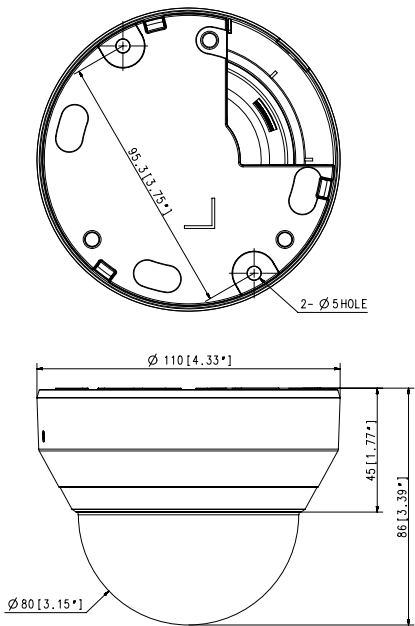
EXIBIÇÃO DO PRODUTO

LND-6070R

Unidade: mm (polegadas)

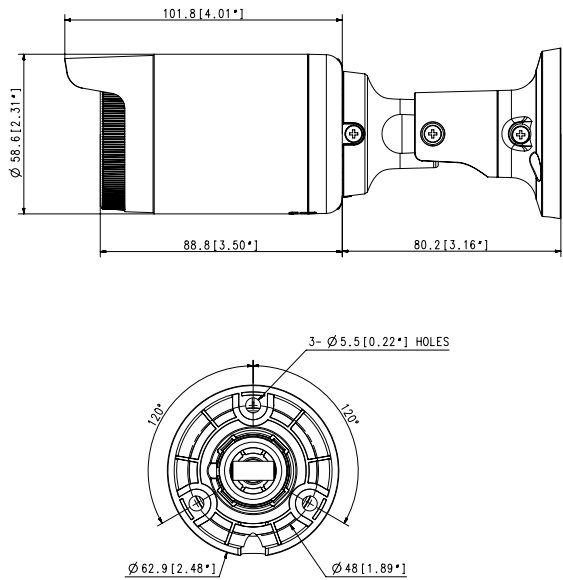
LND-6010R/6020R/6030R

Unidade: mm (polegadas)



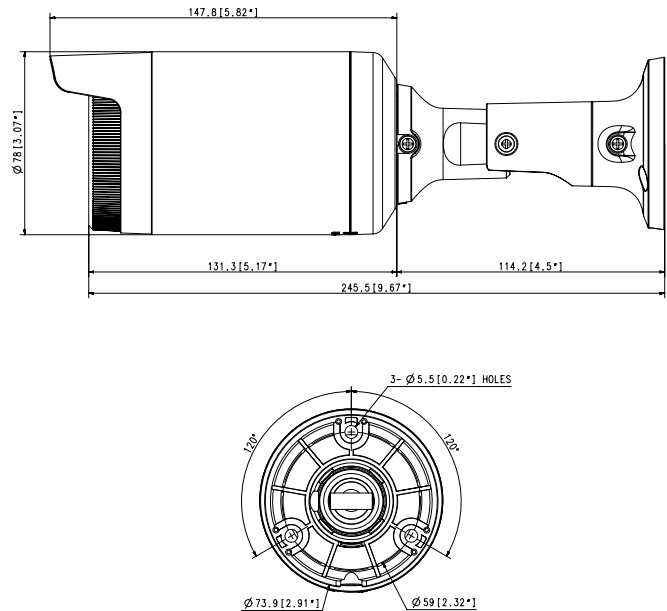
LNO-6010R/6020R/6030R

Unidade: mm (polegadas)



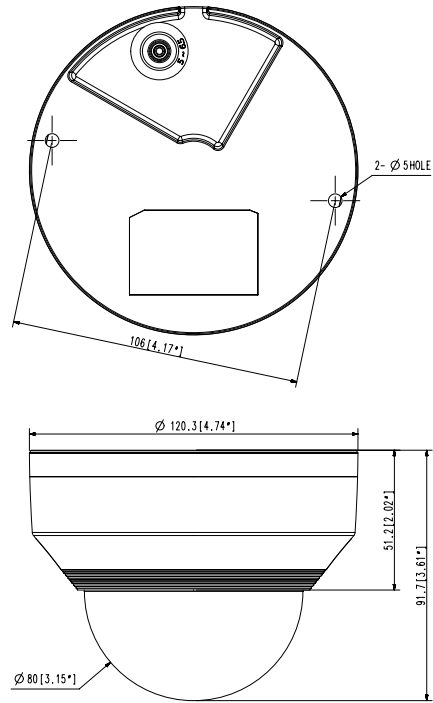
LNO-6070R

Unidade: mm (polegadas)



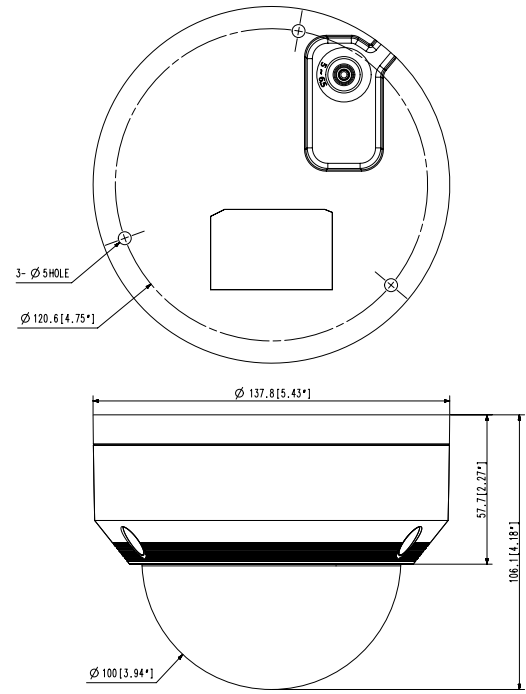
LVN-6010R/6020R/6030R

Unidade: mm (polegadas)



LVN-6070R

Unidade: mm (polegadas)



## SOLUÇÃO DE PROBLEMAS

PROBLEMA	SOLUÇÃO
Não é exibido nenhum vídeo ao acessar o visualizador web com plug-in gratuito no navegador Safari via HTTPS.	<ul style="list-style-type: none"> <li>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".</li> <li>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.</li> </ul>
Não consigo acessar a câmera de um navegador da Web.	<ul style="list-style-type: none"> <li>Verifique se as configurações de rede da câmera são apropriadas.</li> <li>Verifique se todos os cabos de rede foram conectados corretamente.</li> <li>Se foi conectada usando DHCP, verifique se a câmera consegue obter os endereços IP dinâmicos sem qualquer problema.</li> <li>Se a câmera estiver conectada a um Roteador de banda larga, verifique se o encaminhamento da porta está corretamente configurado.</li> </ul>
O visualizador foi desconectado durante o monitoramento.	<ul style="list-style-type: none"> <li>Os visualizadores conectados são desconectados após qualquer alteração na câmera ou nas configurações de rede.</li> <li>Verifique todas as conexões da rede.</li> <li>Se a câmera estiver conectada por uma rede PPPoE, o visualizador poderá ser desconectado sob condições precárias da rede.</li> </ul>
Não é exibido nenhum vídeo quando eu acesso pela primeira vez ao visualizador da web ou coneto streaming para o cliente.	<ul style="list-style-type: none"> <li>O número máximo de perfis disponíveis é 3. A ligação pode se perder se você utilizar 4 ou mais perfis. Exemplo) Se você acessar a MJPEG, H.264 e H.265 (Perfis com definições diferentes) e depois acessar com um perfil diferente, a ligação será interrompida.</li> </ul>
A câmera conectada à rede não foi detectada no programa instalador de IP.	<ul style="list-style-type: none"> <li>Desative as configurações de firewall em seu PC e pesquise a câmera novamente.</li> </ul>
Sobreposição de imagens.	<ul style="list-style-type: none"> <li>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.</li> </ul>
Nenhuma imagem é exibida.	<ul style="list-style-type: none"> <li>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.</li> </ul>

PROBLEMA	SOLUÇÃO
O ficheiro não é transferido para o e-mail mesmo se for gerado um evento de detecção de movimento com a <Detecção de movim.> definida para <Lig.> na página de <Evento>.	<ul style="list-style-type: none"> <li>Verifique as configurações na seguinte sequência: <ul style="list-style-type: none"> <li>A. Verifique &lt;Data e horário&gt;.</li> <li>B. A &lt;Detecção de movim.&gt; deve ser configurada para &lt;Ativar&gt;.</li> <li>C. Verifique se a opção de &lt;E-mail&gt; do menu de &lt;Configuração de evento&gt; está marcada como Usar.</li> </ul> </li> </ul>
Não é possível gravar no cartão de memória Micro SD.	<ul style="list-style-type: none"> <li>Verifique se o cartão de memória está defeituoso.</li> </ul>
O cartão de memória Micro SD está inserido, mas a câmera não está funcionando corretamente.	<ul style="list-style-type: none"> <li>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.</li> <li>Formate o cartão de memória novamente pelo menu &lt;Configurar&gt; → &lt;Evento&gt; → &lt;Armazenamento&gt;.</li> </ul>

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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	
zeroconf	GPL 2.0	

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

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

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

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bzip2/libbzip2 version 1.0.5 of 10 December 2007

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Component Name	License	URL
zlib-1.2.8	zlib / libpng	<a href="http://zlib.net/">http://zlib.net/</a>

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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).



Este equipamento foi testado e constatado como atendendo os limites para um dispositivo digital Classe A, de acordo com a seção 15 das Regras FCC. Estes limites se destinam a fornecer uma proteção razoável contra interferência prejudicial quando o equipamento for operado em uma ambiente comercial. Este equipamento gera, utiliza e pode irradiar energia de radiofrequência e, se não instalado e utilizado de acordo com o manual de instruções poderá causar interferência prejudicial às comunicações de rádio. A operação deste equipamento em uma área residencial irá provavelmente causar interferência prejudicial e neste caso o usuário será solicitado a corrigir a interferência às suas próprias expensas.



A Hanwha Techwin respeita e preserva o meio ambiente em todos os estágios de produção e toma várias medidas para oferecer aos clientes aparelhos mais ecológicos. A marca Eco representa a determinação da Hanwha Techwin em criar aparelhos ecológicos e indica que o aparelho satisfaz a diretiva RoHS da União Europeia.



#### 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.

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