

CÂMARA DE REDE

Manual do usuário

QND-8011

QND-8021

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 eletricista para trocar a tomada inadequada.
10. O cabo de alimentação deve ser posicionado de maneira que não seja deformado nem comprimido, especialmente nos plugues, em tomadas elétricas e nos pontos de saída do leitor.
11. Utilize apenas conexões / acessórios especificados pelo fabricante.
12. Utilize apenas carrinhos, bases, tripés, suportes ou mesas especificados pelo fabricante ou vendidos com o leitor. Ao utilizar um carrinho, tenha cuidado ao deslocá-lo com o leitor, para evitar ferimentos caso tombem.
13. Desligue este leitor da tomada durante tempestades com raios ou quando não for utilizá-lo por um longo período.
14. Todos os serviços de manutenção devem ser executados por técnicos qualificados. A manutenção será necessária quando o leitor for danificado de alguma forma, como danos ao cabo de alimentação ou plugue, derramamento de líquidos ou queda de objetos sobre o leitor, exposição à chuva ou umidade, mau funcionamento ou queda.
15. Esse produto tem o objetivo de ser fornecido com uma unidade de fonte de alimentação marcada com "Classe 2" ou "LPS" e classificada de PoE(48V), 0.11A.
16. Este produto tem o objetivo de ser fornecido com energia de isolamento.
17. Se você usar força excessiva ao instalar o produto, a câmera pode ficar danificada e avariada. Você pode danificar o produtos ao instalá-lo à força, usando ferramentas incompatíveis.
18. Não instale o produto em um local onde existem ou podem ser geradas substâncias químicas ou névoa de óleo. Como os óleos comestíveis como óleo de soja podem danificar ou deformar o produto, não instale o produto na cozinha ou perto da mesa da cozinha. Isso pode danificar o produto.
19. Ao instalar o produto, tenha cuidado para não permitir que a superfície do produto seja manchada com alguma substância química. Alguns solventes químicos tais como purificadores ou adesivos podem causar danos na superfície do produto.
20. Se você instalar/desmontar o produto de uma forma que não a recomendada, as funções de produção/desempenho não podem ser garantidas. Instale o produto consultando "Instalação e conexão" no manual do usuário.
21. Instalar ou usar o produto na água pode causar danos sérios no produto.
22. Apesar de uma rápida mudança de temperatura poder causar congelamento dentro da caixa, não haverá nenhum problema com o vídeo.



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 TAMPÃO (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.

A bateria não pode ser substituída.

Dispositivo de desconexão

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

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

CUIDADO

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

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

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

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

Leia as seguintes precauções recomendadas de segurança com atenção.

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

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

O significado dos símbolos no manual é o seguinte.

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

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

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ESPECIFICAÇÕES RECOMENDADAS PARA PC

- CPU : Intel(R) Core(TM) i7 3,4 GHz ou superior
 - RAM : 8Gb ou superior
 - SO suportado : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14
 - Navegador recomendado: Google Chrome
 - Navegadores suportados: MS Explorer11, MS Edge, Mozilla Firefox (apenas Windows 64bit), Apple Safari (apenas Mac OSX)
 - VGA : Placa gráfica de vídeo PCIe 256MB GDDR3 ou superior
- ※ Consulte o apêndice para informações detalhadas sobre sistemas operativos e navegadores verificados.

ESPECIFICAÇÕES DE CARTÃO DE MEMÓRIA MICRO SD/SDHC/SDXC

- Capacidade recomendada: 16GB a 128GB (tipo MLC)
- Fabricantes recomendados: SanDisk, Transcend
- Tipo de produto: Alta resistência
- A compatibilidade varia de acordo com os fabricantes e tipos de cartões.

ESPECIFICAÇÕES RECOMENDADAS POR NAS

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

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



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

ITENS FORNECIDOS

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

Aparência	Nome do item	Quantidade	Descrição
	Câmera	1	
	Guia de consulta rápida (Opcional)	1	
	Cartão de garantia (Opcional)	1	
	Gabarito	1	Product installation guide
	Chave inglesa L	1	Usado para remover e recolocar a tampa do dome

Acessórios opcionais para instalação

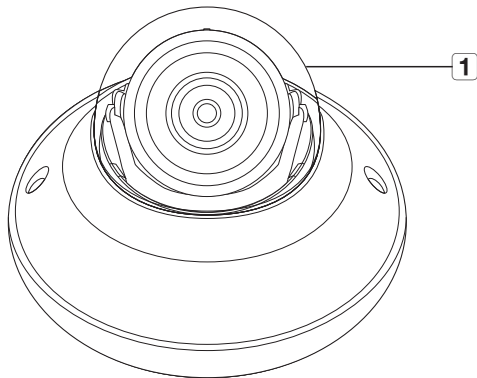
Para uma instalação fácil, você pode adquirir os acessórios opcionais apropriados disponíveis.



Nome do modelo	Montagem de parede
QND-8011/8021	SBP-120WMW

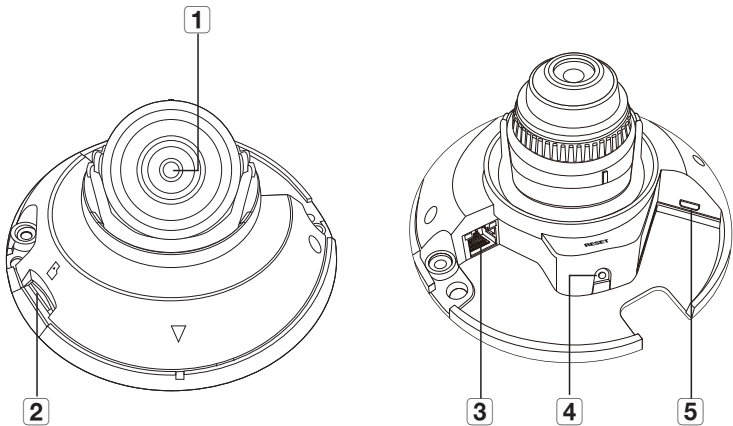
INFORMAÇÕES RESUMIDAS

Aparência



Item	Descrição
1 Tampa do Dome	Tampa da caixa usada para proteger a lente e a unidade principal.

Componentes



Item	Descrição
1 Lente	Lentes da câmera.
2 Compartimento para cartões de memória Micro SD	Compartimento para cartões de memória Micro SD.
3 Conector de PoE	Conecta à rede e fornece energia através de cabo Ethernet.
4 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 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.
5 Porta micro HDMI	Conecte a um monitor com um cabo HDMI para ver a transmissão da câmera.

INSTALAÇÃO

Precauções antes da instalação

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

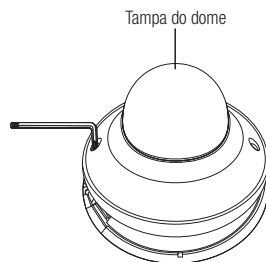
- Deve ser instalada em área (teto ou parede) que possa suportar 5 vezes o peso da câmera incluindo o suporte de instalação.
- Cabos presos ou desencapados podem causar danos ao produto ou um incêndio.
- Por motivos de segurança, mantenha outras pessoas longe do local de instalação. E coloque os pertences pessoais longe do local, apenas por precaução.

Desmontando

Remova a tampa após soltar os parafusos, girando-os no sentido anti-horário, usando a chave em L fornecida.

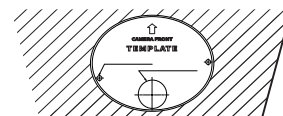
- Observe que não é necessário afrouxar o parafuso completamente.

- ! Não toque na parte transparente da tampa após remover o filme de proteção.

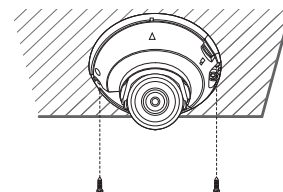


Instalação

1. Leve em conta a direção a ser monitorizada, fixe o modelo e faça os furos observando o seguinte modelo.
 - Defina a marca <↑> impressa na câmera para apontar na direção do monitoramento da câmera.

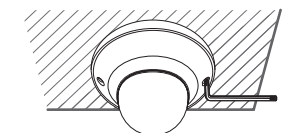
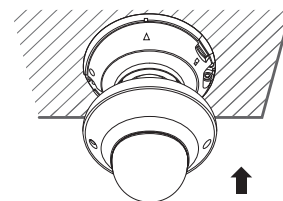
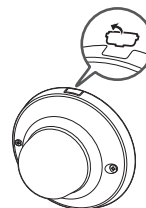


2. Usando 2 parafusos, prenda a câmera nos 2 orifícios furados com um modelo.
3. Conecte o terminal interno da câmera ao cabo correspondente.
4. Ajuste a lente em uma direção desejada consultando a seção "Ajustando a direção de monitoramento da câmera". (Página 10)



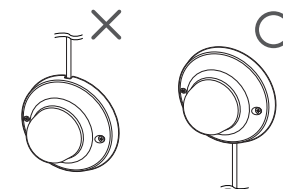
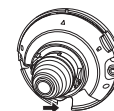
- ! Recomendamos que não toque na lente, uma vez que a lente da câmera foi adequadamente focada no processo final de fabrico. Se o fizer, a lente pode ficar desfocada ou manchada por substâncias estranhas.

5. Cubra a tampa e aperte os parafusos girando-os em sentido horário com uma chave em L para prender a tampa.
 - Caso necessário, remova a tampa do orifício da fiação no lado da tampa.

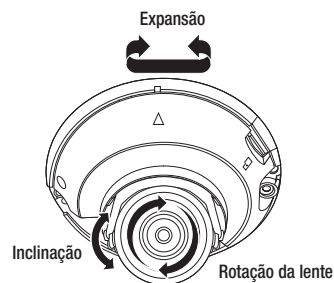


Montagem na parede (IP42)

Ao montar a câmera em uma parede, organize o cabo LAN de modo a conectar na parte inferior, conforme ilustrado, para assegurar a proteção adequada contra líquidos e poeira.



Ajustando a direção de monitoramento da câmera



■ Ajustando a direção de monitoramento

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

- A 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 69 graus.



- A imagem pode ser tapada pela carcaça da câmera dependendo do ângulo.

■ 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.

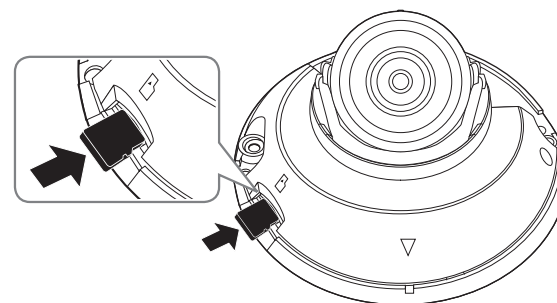
INSERINDO/REMOVENDO UM CARTÃO DE MEMÓRIA MICRO SD



- 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.

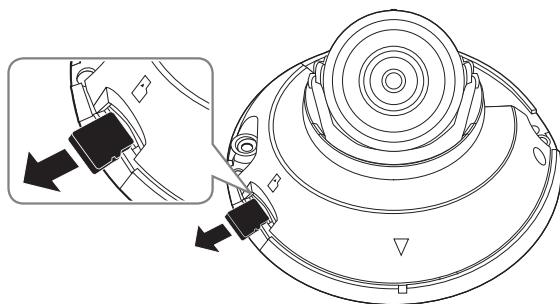
Inserindo um cartão de memória Micro SD

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



Removendo um cartão de memória Micro SD

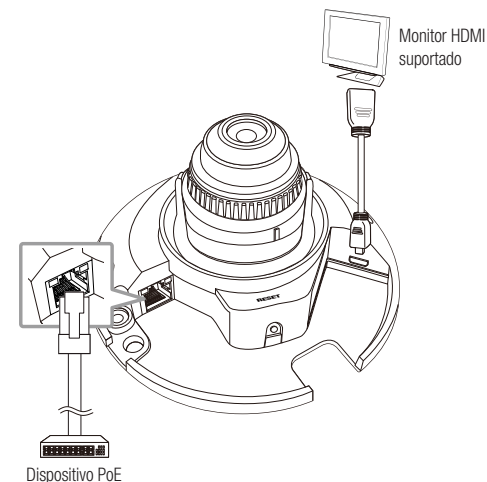
Pressione com cuidado a extremidade exposta do cartão de memória, conforme mostrado na figura, para ejetá-lo do slot.



- Pressionar o micro cartão de memória SD com muita força e soltar de repente pode fazer com que ele seja lançado para fora do slot de maneira incontrolável.
- Antes de remover seu cartão de memória Micro SD, desligue a câmera ou vá até <Armazenamento>, desligue o dispositivo e pressione o botão [Aplicar].
- 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

Ligue os conectores PoE do dispositivo PoE e da câmera.



- Ligue a um conector PoE (Power-Over-Ethernet - Alimentação sobre Ethernet) de um roteador de PoE ativado.
- Use um PoE (Power-Over-Ethernet - Alimentação sobre Ethernet) que seja compatível com os protocolos IEEE802.3af.

Especificação do Cabo de Rede

Item	Conteúdos	Comentário
Conector	RJ45	
Ethernet	10/100BASE-T	10/100 Mbps
Cabo	Categoria 5e	
Distância Máxima	100M	Resistência DC $\leq 0,125 \Omega/m$
Suporte PoE	IEEE 802.3af	

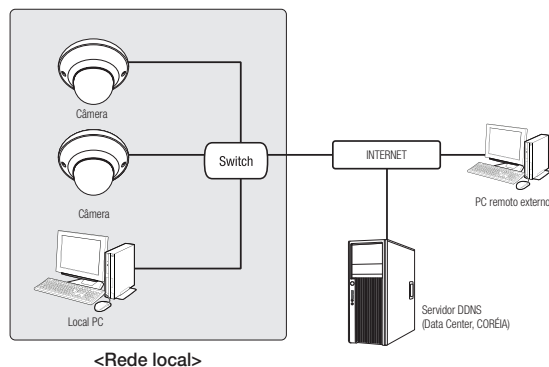
- Se você usar um cabo fora dos padrões 5e, o distância da transmissão de 100 m não será garantido.

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

CONECTANDO A CÂMERA DIRETAMENTE À REDE LOCAL

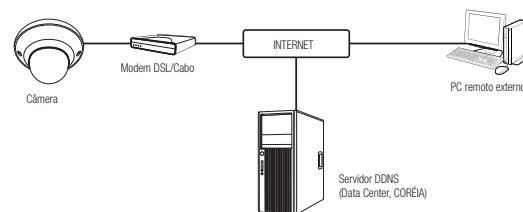
Conectando a câmera a partir de um PC local na LAN

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 13)

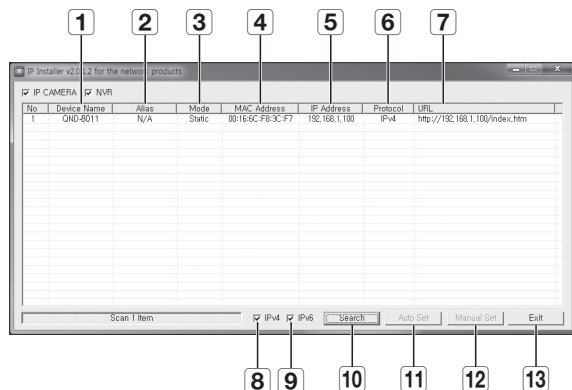
CONECTANDO A CÂMERA DIRETAMENTE A UM DHCP COM BASE NO MODEM DSL/CABO



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.

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> 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.

- Usar a última versão do instalador IP. Você pode baixar a última versão no site da Hanwha Vision.
- Se o Sistema Operativo de apoio é o Windows 8.1, recomenda-se que use o Wisenet Device Manager em vez do IP Wisenet. Você pode baixar o Programa Wisenet Device Manager visitando o website Hanwha Vision (<https://www.HanwhaVision.com>) sob o menu <Support> - <Online Tool>.

CONFIGURAÇÃO DE IP ESTÁTICO

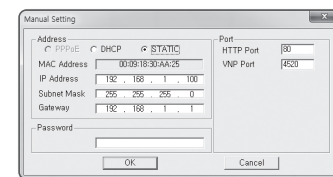
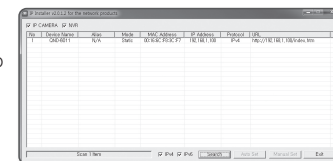
Configuração de rede manual

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

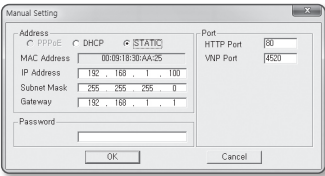
Para configurar <IP Address>, <Subnet Mask> e <Gateway>, entre em contato com seu administrador de rede.

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].

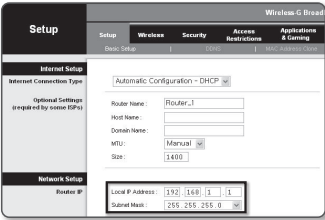
A configuração de rede manual será concluída.

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 15)

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.

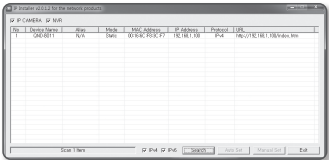
Tanto o botão [Auto Set] como o botão [Manual Set] estarão ativados

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.

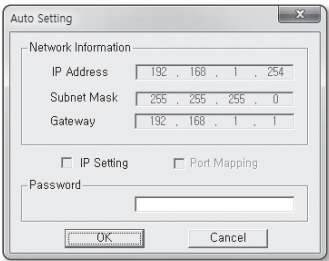
Insira a senha da conta “admin” que foi usada para acessar a câmera.



- 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.



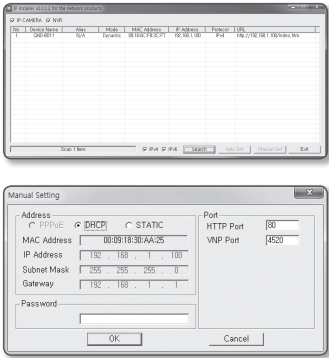
CONFIGURAÇÃO DE IP DINÂMICO

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>.

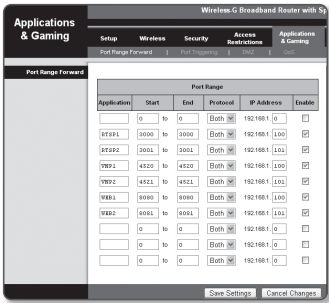


CONFIGURAÇÃO DO AVANÇO DA FAIXA DA PORTA (MAPEAMENTO DE PORTA)

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.



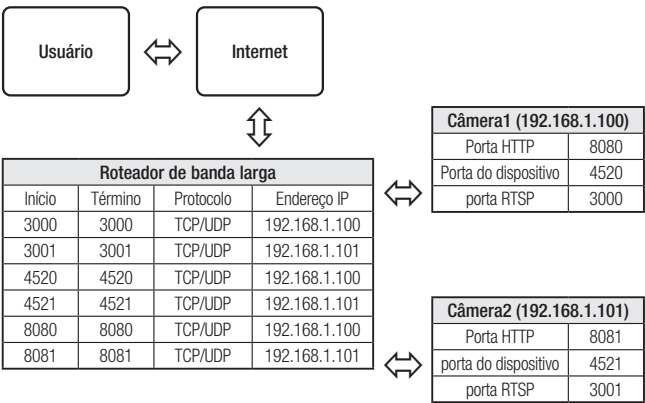
- Quando concluído, clique em [Save Settings].
Suas configurações serão salvas.

- 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 :

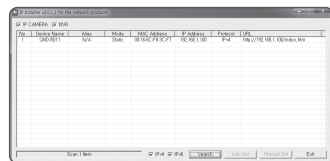


- O encaminhamento de porta pode ser feito sem configuração adicional do roteador caso o roteador ofereça suporte à função UPnP (Universal Plug and Play).
Após conectar a câmera de rede, defina <Conexão rápida> de <DDNS> para <Lig.> no menu "Configurar → Rede → DDNS".

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.

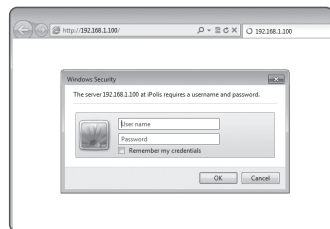
1. Antes de acessar uma câmera na rede do Roteador de banda larga, você deve ter configurado o avanço de faixa de porta para o Roteador de banda larga.
2. No PC remoto, ative o navegador da Internet e digite o endereço de URL DDNS da câmera ou o endereço IP do Roteador de banda larga na barra de endereço.
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 a um modem de cabo com base DHCP ou modem DSL, o endereço IP irá mudar de cada vez que tenta conectar ao ISP (a empresa à qual você aderiu). Se esse for o caso, você não será informado do endereço IP alterado por DDNS.

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

Para registrar o seu dispositivo no servidor <DDNS>, visite <http://ddns.hanwha-security.com> e registre o dispositivo primeiro; em seguida, configure <Rede> - <DDNS> do Visualizador da Web para <DDNS> e forneça o <ID do produto> usado no registro do DDNS.

CONFIGURAÇÃO DE SENHA

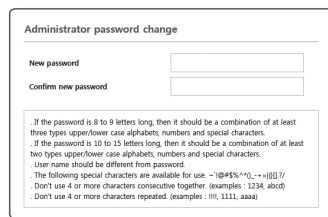
Quando você acessar o produto pela primeira vez, você deve registrar o login e senha.
Quando aparece a janela de “**Alteração de senha**”, digite a nova senha.



- Para uma nova senha com 8 a 9 dígitos, você deve usar pelo menos 3 dos seguintes: letras maiúsculas/minúsculas, números e caracteres especiais. Para uma senha com 10 a 15 dígitos, você deve usar pelo menos 2 tipos dos mencionados.

- Caracteres especiais são permitidos: ~!@#\$%^&*()_+=|[]{}?/

- Para maior segurança, não recomendamos repetir nas suas senhas os mesmos caracteres ou entradas consecutivas no teclado.
- Se perdeu a sua senha, pode pressionar o botão **[RESET]** para reinicializar o produto. Por isso, não perca sua senha, usando o um bloco notas ou memorizando-a.



LOGIN

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

1. Digite “**admin**” na caixa de entrada <**User name**>.
O ID do administrador, “**admin**”, é fixo e não pode ser alterado.

2. Digite a senha no campo de entrada <**Password**>.

3. Clique em **[OK]**.

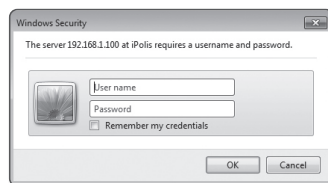
Se você efetuou login com sucesso, verá a tela do Visualizador ao vivo.



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



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



CONFIGURAÇÃO DA VISUALIZAÇÃO ON-LINE DA CÂMERA

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

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.
Não é exibido nenhum vídeo quando eu acesso pela primeira vez ao visualizador da web ou coneto streaming para o cliente.	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 e depois acessar com um perfil diferente, a ligação será interrompida.
A câmera conectada à rede não foi detectada no programa instalador de IP.	Desative as configurações de firewall em seu PC e pesquise a câmera novamente.
Sobreposição de imagens.	Verifique se duas ou mais câmeras estão configuradas para um único endereço de multicast em vez de diferentes endereços. Se um único endereço for usado para várias câmeras, as imagens poderão ficar sobrepostas.
Nenhuma imagem é exibida.	Se o método de transmissão estiver configurado para multicast, verifique se há um roteador que ofereça suporte para multicast na rede local à qual a câmera está conectada.

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

OPEN SOURCE ANNOUNCEMENT

GPL/LGPL software license

The software included in this product contains copyrighted software that is licensed under the GPL/LGPL. You may obtain the complete Corresponding Source code from us for a period of three years after our last shipment of this product by sending email to help.cctv@hanwha.com

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

GPL SW

Component Name	License	URL
Base Kernel	GPL 2.0	
Busybox	GPL 2.0	http://www.busybox.net/downloads/snapshots
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
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/

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

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 2. to develop and manufacture the Embedded Product containing the Binary Code, and, whether with or without payment, provide the End User with the same and make the Binary Code available to the End User on the Embedded Product.
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Article 6. Distribution and Registration of the Ported Source Code

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1. The Hardware-dependent Part and/or Compiler-dependent Part; provided that the Source Code User and the System Developer shall inform T-Engine Forum of, and T-Engine Forum may publish, a method for distributing said Part(s) to third parties.
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5. The provision set forth in Article 3 shall apply to the Ported Source Code registered in accordance with this Article.

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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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