

WISENET

NETWERK CAMERA

Gebruikershandleiding

QND-6010R/6020R/6030R

QNO-6010R/6020R/6030R

QNV-6010R/6020R/6030R



Netwerk Camera

Gebruikershandleiding

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Handelsmerk

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❖ **Vormgeving en specificaties kunnen zonder kennisgeving worden gewijzigd.**

❖ **Het initiële beheerders-ID is "admin" en het wachtwoord moet worden ingesteld wanneer u voor het eerst inlogt.**

Wijzig het wachtwoord a.u.b. elke drie maanden om persoonlijke informatie veilig te beschermen en om schade door het stelen van informatie te voorkomen.

Let u a.u.b. op dat het de verantwoordelijkheid van de gebruiker is als er problemen met de veiligheid of anderszins zijn, veroorzaakt door het niet juist omgaan met een wachtwoord.

BELANGRIJKE VEILIGHEIDSINSTRUCTIES

1. Lees deze instructies.
2. Bewaar deze instructies.
3. Let op alle waarschuwingen.
4. Volg alle instructies.
5. Gebruik dit apparaat niet in de buurt van water.
6. Reinig het verontreinigde gebied op het productoppervlak met een zachte, droge doek of een vochtige doek. (Gebruik geen reinigingsmiddel of cosmetische producten die alcohol, oplosmiddelen of oppervlakte-actieve stoffen of oliebestanddelen bevatten omdat deze het product kunnen vervormen of beschadigen.)
7. Blokkeer geen ventilatieopeningen. Installeer het apparaat in overeenstemming met de instructies van de fabrikant.
8. Plaats het apparaat niet in de buurt van warmtebronnen zoals radiatoren, verwarmingsroosters of andere apparaten die warmte afgeven (met inbegrip van versterkers).
9. Vergeet het veiligheidsdoel van de gepolariseerde stekker of aardlekstekker niet. Een gepolariseerde stekker bevat twee pennen waarbij de ene pen iets breder is dan de andere. Een aardlekstekker bevat twee pennen en een aardklem. De brede pen van de gepolariseerde stekker en de aardklem van de aardlekstekker zijn bedoeld voor uw veiligheid. Als een stekker niet in het stopcontact past, kunt u het beste een elektricien raadplegen voor vervanging van het verouderde stopcontact.
10. Zorg ervoor dat niemand op het stroomsnoer kan staan of dat stroomsnoer beklemd kan raken, in het bijzonder bij stekkers, adapters en op het punt waar het snoer het apparaat verlaat.
11. Gebruik alleen accessoires die door de fabrikant zijn opgegeven.
12. Gebruik het apparaat alleen op een karretje, standaard, driepoot, steun of tafel die door de fabrikant is opgegeven of die bij het apparaat wordt verkocht. Wees voorzichtig wanneer u een karretje gebruikt om het apparaat te verplaatsen om te voorkomen dat het toestel of het karretje kantelt en eventueel tot verwondingen leidt.
13. Neem de stekker van het apparaat uit het stopcontact tijdens onweer met bliksem of wanneer het apparaat langere tijd niet worden gebruikt.
14. Laat onderhoud en reparaties over aan een gekwalificeerde monteur. Reparaties zijn nodig als het apparaat is beschadigd, bijvoorbeeld als het stroomsnoer of de stekker is beschadigd, vloeistof op het apparaat is gemorst of voorwerpen in het apparaat zijn gevallen, het apparaat is blootgesteld aan regen of vocht, het apparaat niet normaal werkt of het apparaat is gevallen.
15. Dit product is bedoeld om van stroom te worden voorzien door een vermelde voeding met de markering "Klasse 2" of "LPS" en gespecificeerd vanaf 12 Vdc, 0,56 A.



WAARSCHUWING

OM HET RISICO OP BRAND OF ELEKTRISCHE SCHOKKEN TE BEPERKEN, DIENT U HET APPARAAT NIET AAN REGEN OF VOCHT BLOOT TE STELLEN. STEEK GEEN METALEN VOORWERPEN DOOR DE VENTILATIEROOSTERS OF ANDERE OPENINGEN IN HET APPARAAT.

Stel het apparaat bloot aan druppels of spatten en plaats geen met vloeistof gevulde objecten, zoals vazen, op het apparaat.

Bevestig het apparaat volgens de installatie-instructies stevig aan de wand of vloer om letsel te voorkomen.

LET OP

	LET OP NIET OPENEN, RISICO OP ELEKTRISCHE SCHOKKEN	
LET OP : OM HET RISICO VAN ELEKTRISCHE SCHOKKEN TE BEPERKEN, DIENT U DE BEHUIZING (OF DE ACHTERZIJDE) NIET TE VERWIJDEREN. AAN DE BINNENZIJDE BEVINDEN ZICH GEEN ONDERDELEN DIE DE GEBRUIKER KAN REPAREREN. LAAT ONDERHOUD OVER AAN GEKwalificeerd ONDERHOUDSPERSONEEL.		

UITLEG VAN SYMBOLEN



Het symbool dat bestaat uit een bliksemschicht met pijlpunt in een gelijkzijdige driehoek, is bedoeld als waarschuwing voor de aanwezigheid van niet-geïsoleerde 'gevaarlijke stroomspanning' in de behuizing van het product. Deze spanning is dusdanig hoog dat het risico van elektrische schokken bestaat.



Het uitroepteken in een gelijkzijdige driehoek is bedoeld om de gebruiker te waarschuwen dat er belangrijke bedienings- en onderhoudsinstructies te vinden zijn in de documentatie die bij het product is geleverd.

Klasse I-constructie

Een apparaat met KLASSE I-constructie dient te worden aangesloten op een stopcontact met een beveiligde aardeaansluiting.

Batterij

Batterijen (geïnstalleerde accu of batterijen) mogen niet worden blootgesteld aan overmatige hitte, zoals zon, vuur of dergelijke.

Verbinding met apparaat wordt verbroken

Koppel de stekker van het apparaat los, indien het apparaat defect is. En neem contact op met een plaatselijke monteur.

Wanneer u zich buiten de VS bevindt, kan de HAR-code worden gebruikt wanneer aansluitingen van een goedgekeurd bedrijf worden toegepast.

LET OP

Gevaar op explosie indien batterij door een onjuist type wordt vervangen. Verwijder gebruikte batterijen volgens de geldende richtlijnen.

Deze onderhoudsinstructies zijn uitsluitend bedoeld voor gebruik door gekwalificeerd onderhoudspersoneel. Om het risico op elektrische schokken te beperken, dient u geen ander onderhoud uit te voeren dan wordt beschreven in de bedieningsinstructies, tenzij u hiervoor bent gekwalificeerd.

Gebruik het invoersignaal met slechts één camera en sluit geen andere apparaten aan.

ITE alleen op PoE netwerken aansluiten zonder verbinding naar buiten.

Lees de volgende aanbevolen veiligheidsvoorschriften aandachtig door.

- Plaats het apparaat niet op een hellend oppervlak.
- Installeer het apparaat niet op een locatie waar het wordt blootgesteld aan direct zonlicht, nabij verwarmingsapparatuur of in een zeer koude omge-ving.
- Plaats dit apparaat in de buurt van geleidend materiaal.
- Voer zelf geen reparaties uit aan het product.
- Plaats geen glas water op het product.
- Installeer het apparaat niet nabij een magnetische bron.
- Houd de ventilatie-openingen vrij.
- Plaats geen zware voorwerpen op het product.
- Draag beschermende handschoenen tijdens het installeren/verwijderen van de camera. De hoge temperatuur van het oppervlak van het product kan brandwonden veroorzaken.

De gebruikershandleiding is bedoeld als richtlijn bij het gebruik van de producten.

De betekenis van de symbolen wordt hieronder weergegeven.

- Naslag: in het geval van informatie ter ondersteuning van het gebruik van het product
 - Opmerking: bij het risico op schade of letsel wanneer de instructie niet wordt opgevolgd
- ✕ Lees deze handleiding voor uw veiligheid voordat u de apparatuur gebruikt en bewaar de handleiding ter referentie.

In bepaalde installatieomgevingen kan er interferentie optreden bij radiocommunicatie. Wanneer interferentie optreedt van elektromagnetische golven tussen het product en een radiocommunicatieapparaat, wordt het aanbevolen een bepaalde afstand tussen de twee apparaten aan te houden of om de richting van de ontvangende antenne.

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AANBEVOLEN PC SPECIFICATIES

- CPU: Intel(R) Core(TM) i7 3.4 GHz of hoger
- Ondersteund besturingssysteem: Windows 7, 8.1, 10, Mac OS X 10.9, 10.10, 10.11
- **Webviewer zonder plug-in**
Ondersteunde webbrowsers: Google Chrome 47, MS Edge 20
- **Webviewer met plug-in**
Ondersteunde webbrowsers: MS Explorer 11, Mozilla Firefox 43, Apple Safari 9 ※ alleen ondersteund in Mac OS X.
- VGA: Grafische kaart PCIe 256MB GDDR3-video of hoger

AANBEVOLEN SPECIFICATIES VOOR MICRO SD-/SDHC-/SDXC-GEHEUGENKAARTEN

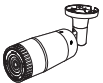
- Aanbevolen capaciteit: 4GB ~ 128GB (uhs-1 klasse)
- Voor uw camera raden wij aan dat u een geheugenkaart van een van de volgende fabrikanten gebruikt:
Micro SD-/SDHC-/SDXC-geheugenkaart: Sandisk, Transcend

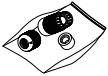
NAS AANBEVOLEN SPECIFICATIES

- Aanbevolen capaciteit : 200GB of hoger wordt aanbevolen.
- Voor deze camera, wordt u geadviseerd om een NAS te gebruiken met de volgende fabrikant specificaties.
Aanbevolen producten: Netgear NAS, Synology NAS

MEEGELEVERDE ONDERDELEN

Controleer of de productverpakking zowel uw camera als alle accessoires bevat.
(Aangezien de accessoires niet voor elk verkoopland gelijk zijn.)

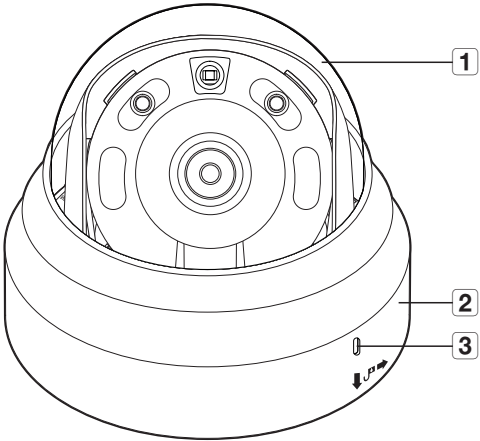
Uiterlijk	Itemnaam	Aantal	Beschrijving	Modelnaam
	Camera	1		QND-6010R/6020R/ 6030R
		1		QNO-6010R/6020R/ 6030R
		1		QNV-6010R/6020R/ 6030R
	Beknopte handleiding (optioneel)	1		QND-6010R/6020R/ 6030R, QNO-6010R/6020R/ 6030R, QNV-6010R/6020R/ 6030R
	Installatiesjabloon	1	Ter geleiding bij installatie product	QND-6010R/6020R/ 6030R, QNO-6010R/6020R/ 6030R, QNV-6010R/6020R/ 6030R
	Stroom aansluitingen	1	De elektriciteitsstekker aangesloten	QND-6010R/6020R/ 6030R, QNV-6010R/6020R/ 6030R
	Kolomschroeven	2	Deze worden gebruikt om de koepel te bevestigen wanneer u het product aan de stang, de muur enz. bevestigt, of om een gat op te vullen.	QND-6010R/6020R/ 6030R, QNV-6010R/6020R/ 6030R

Uiterlijk	Itemnaam	Aantal	Beschrijving	Modelnaam
	L-vormige inbussleutel	1	Gebruikt om de richting van de camera te beheren / Gebruikt om het koepeldekseel te verwijderen en vervangen	QNO-6010R/6020R/ 6030R, QNV-6010R/6020R/ 6030R
	Tapschroef	2	Voor installatie aan de wand of het plafond	QND-6010R/6020R/ 6030R, QNV-6010R/6020R/ 6030R
		3		QNO-6010R/6020R/ 6030R
	Alarmkabel	1	Wordt gebruikt zoals bij het aansluiten op een alarm	QND-6010R/6020R/ 6030R
	RJ45 waterbestendig accessoire	1	Gebruikt voor installatie op vochtige locaties	QNO-6010R/6020R/ 6030R
	Zonnekap	1	Het beschermt de camera tegen direct zonlicht.	QNO-6010R/6020R/ 6030R
	Zonnekap houder	1	Het bevestigt de zonnekap met de camera.	QNO-6010R/6020R/ 6030R
	Kaarttype vochtabsorberend	3	Bevestigd indien geïnstalleerd.	QNO-6010R/6020R/ 6030R
		1		QNV-6010R/6020R/ 6030R

Uiterlijk	Itemnaam	Aantal	Beschrijving	Modelnaam
	Stroomkabel	1	Gebruikt om aan te sluiten op de stroomaansluiting	QNV-6010R/6020R/6030R
	Audio/alarmkabel	1	Gebruikt voor verbinding met de poort voor audio en alarm	QNV-6010R/6020R/6030R
	Kabeldoorvoer	1	Gebruikt voor het aansluiten van de LAN-kabel met een diameter van Ø7~8,5.	QNV-6010R/6020R/6030R
	Plastic plug	2	Voor het vastzetten van een schroef, ingebracht in een gat (verstevigde montage)	QNV-6010R/6020R/6030R
Opties (niet meegeleverd)				
	Pool-montagebeugel		Cilindrische pool-montagebeugel	QNO-6010R/6020R/6030R

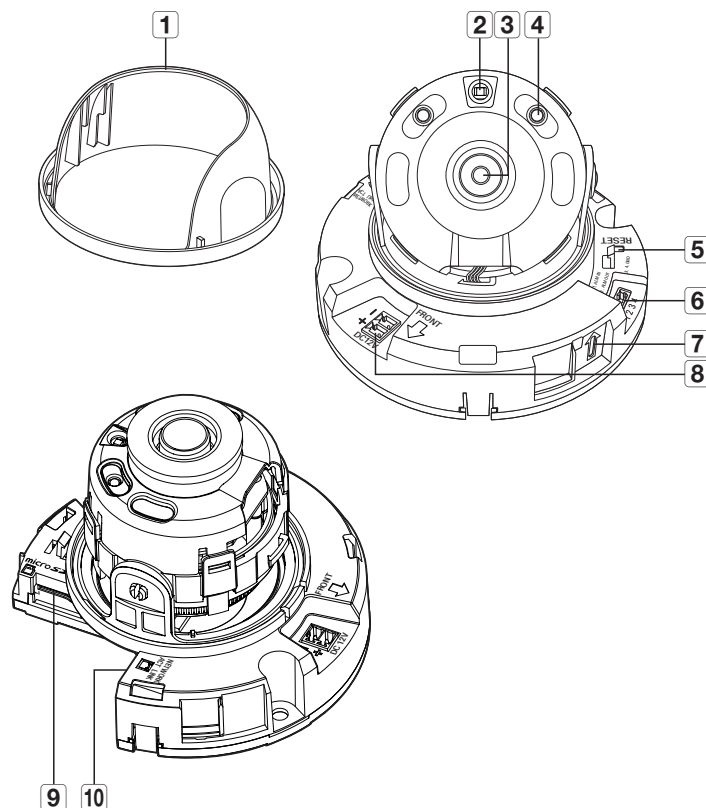
IN VOGELVLUCHT (QND-6010R/6020R/6030R)

Uiterlijk



Item	Beschrijving
1 Koepel deksel	Afdekkap ter bescherming van de lens en de hoofdeenheid.
2 Camerabehuizing	Deel van de behuizing die de camerabody beschermt.
3 Microfooningang	Microfoon is ingebouwd.

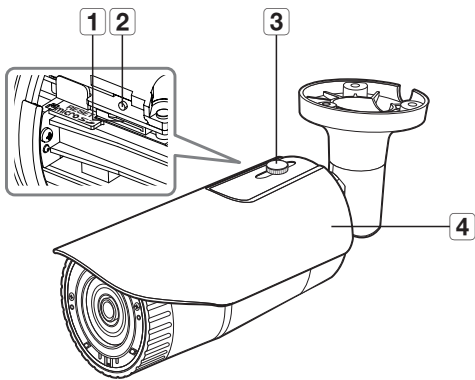
Componenten



Item	Beschrijving	
1 Afdekking binnenkant	Beschermend deksel voor het hoofdhuus.	
2 Lichtsensor	Detecteert inkomend licht om de IR-LED aan te sturen.	
3 Lens	Lens voor de camera.	
4 IR LED	Deze infrarood leds worden aangestuurd door de lichtsensor.	
5 Opnieuw instellenknop	Met deze knop worden de camera-instellingen teruggezet naar de fabrieksinstellingen. Houd circa 5 seconden ingedrukt om het systeem opnieuw op te starten. ■ Als u de camera opnieuw instelt, zullen de netwerkinstellingen worden aangepast zodat DHCP ingeschakeld kan worden. Als er geen DHCP-server in het netwerk is, moet u het programma Device Manager uitvoeren om de basisnetwerkinstellingen te wijzigen, zoals IP-adres, Subnetmasker, Gateway enzovoort, voordat u verbinding kunt maken met het netwerk.	
6 Alarmingang/-uitgang	ARM-IN	Gebruikt om de sensor van de alarminvoer of externe dag/nacht sensor aan te sluiten.
	ARM-OUT	Wordt gebruikt voor het aansluiten van het alarmuitgangssignaal.
	GND	Dit zijn veelgebruikte poorten voor het aansluiten van alarminvoer-/uitvoersignalen.
7 Microfooningang	Microfoon is ingebouwd.	
8 Voedingspoort	Poort voor stroomaansluitblok.	
9 Compartiment Micro SD-geheugenkaart	Hier kunt u de Micro SD-geheugenkaart plaatsen.	
10 Netwerkpoot	Wordt gebruikt om de PoE- of Ethernet-kabel voor de netwerkverbinding aan te sluiten.	

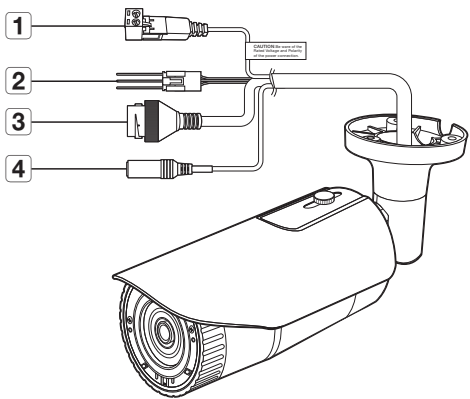
IN VOGELVLUCHT (QNO-6010R/6020R/6030R)

Uiterlijk



Item	Beschrijving
1 Micro-SD-kaartsleuf	(Interne ruimte van het product) Dit is een sleuf waarin u een Micro-SD-kaart kunt plaatsen.
2 Opnieuw instellenknop	Met deze knop worden de camera-instellingen teruggezet naar de fabrieksinstellingen. Houd circa 5 seconden ingedrukt om het systeem opnieuw op te starten. Als u de camera opnieuw instelt, zullen de netwerkinstellingen worden aangepast zodat DHCP ingeschakeld kan worden. Als er geen DHCP-server in het netwerk is, moet u het programma Device Manager uitvoeren om de basisnetwerkinstellingen te wijzigen, zoals IP-adres, Subnetmasker, Gateway enzovoort, voordat u verbinding kunt maken met het netwerk.
3 Zonnekap houder	Het bevestigt de zonnekap met de camera.
4 Zonnekap	Het beschermt de camera tegen direct zonlicht.

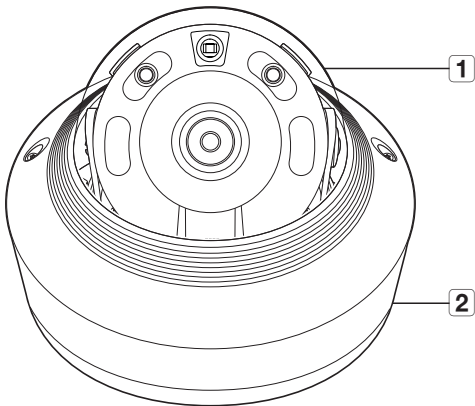
Componenten



Item	Beschrijving	
1 Voedingspoort	Wordt gebruikt voor het aansluiten van de voedingskabel.	
2 Alarmingang/-uitgang	ARM-OUT	Wordt gebruikt voor het aansluiten van het alarmuitgangssignaal.
	GND	Dit zijn veelgebruikte poorten voor het aansluiten van alarminvoer-/uitvoersignalen.
	ARM-IN	Gebruikt om de sensor van de alarminvoer of externe dag/nacht sensor aan te sluiten.
3 Netwerkpoot	Wordt gebruikt om de PoE- of Ethernet-kabel voor de netwerkverbinding aan te sluiten.	
4 Audio-ingang	Hier kunt u een microfoon op aansluiten.	

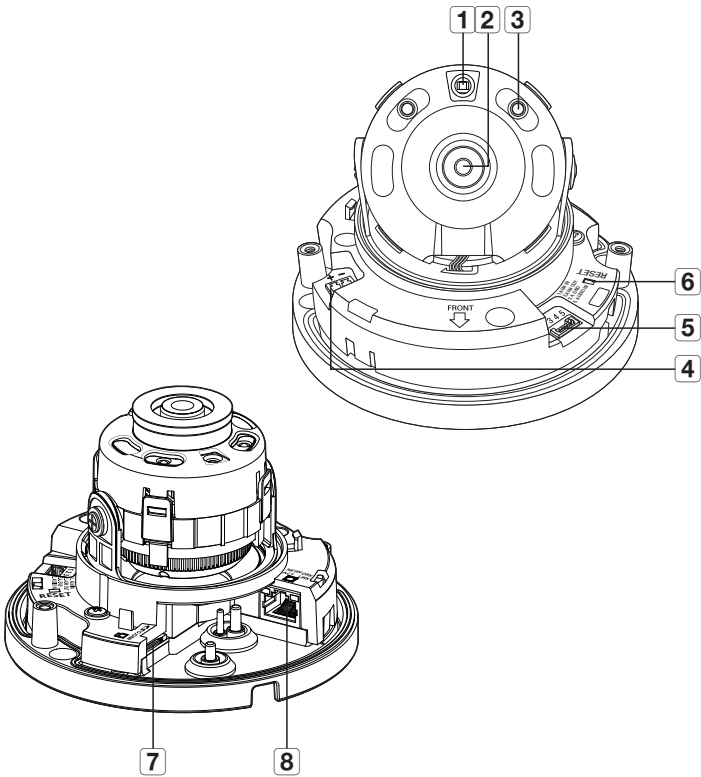
IN VOGELVLUCHT (QNV-6010R/6020R/6030R)

Uiterlijk



Item	Beschrijving
1 Koepel deksel	Afdekkap ter bescherming van de lens en de hoofdeenheid.
2 Camerabehuizing	Deel van de behuizing die de camerabody beschermt.

Componenten



Item	Beschrijving
1 Lichtsensor	Detecteert inkomend licht om de IR-LED aan te sturen.
2 Lens	Lens voor de camera.
3 IR LED	Deze infrarood LED's worden aangestuurd door de lichtsensor.
4 Voedingspoort	Poort voor stroomaansluitblok.
5 Audio- en alarmkabelpoort	Klem waarop de audio- en alarmkabel wordt aangesloten om verbinding te maken met een extern alarmapparaat/microfoon.
6 Opnieuw instellenknop	Met deze knop worden de camera-instellingen teruggezet naar de fabrieksinstellingen. Houd circa 5 seconden ingedrukt om het systeem opnieuw op te starten. i Als u de camera opnieuw instelt, zullen de netwerkinstellingen worden aangepast zodat DHCP ingeschakeld kan worden. Als er geen DHCP-server in het netwerk is, moet u het programma Device Manager uitvoeren om de basisnetwerkinstellingen te wijzigen, zoals IP-adres, Subnetmasker, Gateway enzovoort, voordat u verbinding kunt maken met het netwerk.
7 Compartiment Micro SD-geheugenkaart	Hier kunt u de Micro SD-geheugenkaart plaatsen.
8 Netwerkpoot	Wordt gebruikt om de PoE- of Ethernet-kabel voor de netwerkverbinding aan te sluiten.

INSTALLATIE (QND-6010R/6020R/6030R)

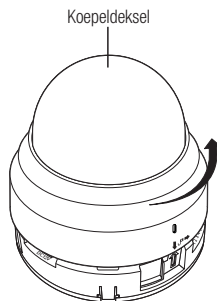
Voorzorgsmaatregelen vóór de installatie

Lees de volgende instructies aandachtig door voordat u de camera installeert:

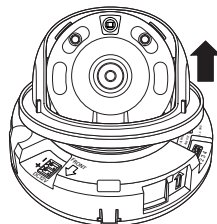
- Het moet worden geïnstalleerd op het gebied (plafond of muur) dat 5 maal het gewicht van de camera, met inbegrip van de installatie beugel kan weerstaan.
- Losgeraakte of blootliggende kabels kunnen schade aan het product of een brand veroorzaken.
- Houd, om veiligheidsredenen, alle anderen uit de buurt van de installatielocatie.
En berg persoonlijke eigendommen uit de buurt van de locatie op om ongelukken te voorkomen.

Demontage

1. Gebruik één hand om het onderste deel van de camera vast te houden en draai met de andere hand het deksel tegen de wijzers van de klok in om het los te maken.

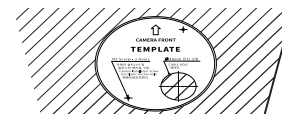


2. Trek het binnenste deksel omhoog om het los te maken.



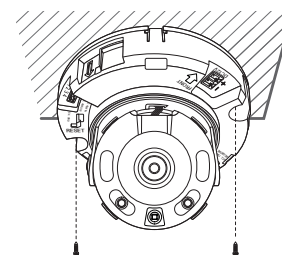
Installatie

1. Bevestig de sjabloon voor de installatie aan het geselecteerde gebied en maak er 3 gaatjes in, zoals in de afbeelding getoond.



2. Bevestig de camera met behulp van twee zelftapschroeven in de twee met behulp van de sjabloon geboorde gaten.

- Stel de <↑> markering die op de camera gedrukt is in de richting van de controleplaats van de camera.



3. Sluit de interne terminal van de camera aan met de overeenkomstige kabel.

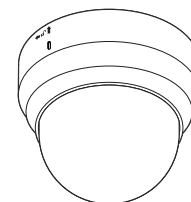
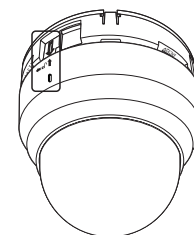
4. Zie het gedeelte '**De monitorrichting voor de camera aanpassen**' om de lensrichting naar wens aan te passen. (pagina 17)

- ! ■ We raden u aan de lens niet aan te raken omdat de cameralens zorgvuldig is afgesteld tijdens de laatste fase van de productie. Als u dit toch doet, stelt de lens misschien niet goed scherp of komen er vlekken op door stoffen van buitenaf.

5. Sluit de binnenkap aan op het hoofdhuis.

6. Terwijl u de onderkant van de camera met uw hand vastpakt, pakt u de kap vast en duwt u er met uw andere hand tegen om de twee pijltkens uit te lijnen, als getoond in de afbeelding.

- ! ■ Voor het monteren van de koepelkap, past u de pijlen bij elkaar en drukt u stevig op de kap.
Als de koepelkap wordt gedraaid tijdens montage of als het onjuist wordt gemonteerd, kan verspreide reflectie optreden of het lensgedeelte kan draaien, waardoor het opnamebereik wordt gewijzigd.
- Zorg ervoor dat het deksel van de kop correct met het bodemdeel wordt verbonden, zoals in de afbeelding wordt getoond.
Als de aansluiting niet juist wordt verbonden, kan het koepeldeksel vallen, wat tot letsel kan leiden.



INSTALLATIE (QNO-6010R/6020R/6030R)



- Deze camera is waterdicht volgens de IP66-norm, maar de stekker naar de externe kabel is dat niet. Het beste is dit product te installeren zodat het onder de dakrand hangt en de kabel beschermd is tegen weersomstandigheden.

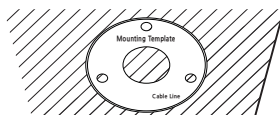
Voorzorgsmaatregelen vóór de installatie

Lees de volgende instructies aandachtig door voordat u de camera installeert:

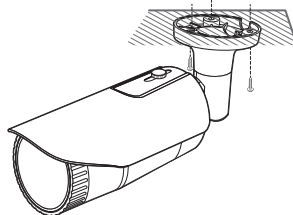
- Het moet worden geïnstalleerd op het gebied (plafond of muur) dat 5 maal het gewicht van de camera, met inbegrip van de installatie beugel kan weerstaan.
- Losgeraakte of blootliggende kabels kunnen schade aan het product of een brand veroorzaken.
- Houd, om veiligheidsredenen, alle anderen uit de buurt van de installatielocatie.
En berg persoonlijke eigendommen uit de buurt van de locatie op om ongelukken te voorkomen.

Installatie

1. Bevestig het installatiesjabloon op een gewenste locatie en maak 3 openingen van dezelfde grootte als getoond in de onderstaande afbeelding.



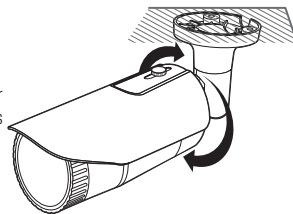
2. Plaats en draai de 3 tapschroeven vast die zijn voorzien in 3 openingen voor het vastmaken van de camera.
3. Sluit de juiste kabels aan op de cameraklemmen.



4. Pas de richting van de camera aan met gebruik van de meegeleverde L-sleutel.

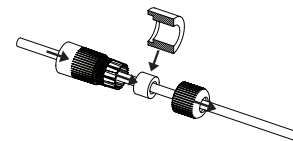


- Bij het aanpassen van de positie van de camera met gebruik van een beugel, moet u de beugelschroef losmaken, de camera afstellen en het weer vastdraaien. Als u het geforceerd probeert aan te passen terwijl de schroef is aangedraaid, kan dit leiden tot een kras of andere problemen.

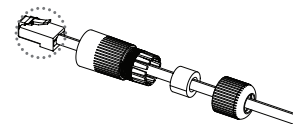


De waterdichte RJ45-kabel aansluiten op een LAN-kabel

1. Plaats het in de richting van de pijl.



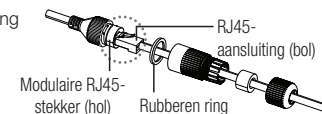
2. Sluit de LAN-aansluiting (bol) aan op de kabel.



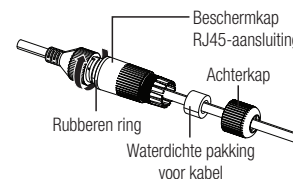
3. Sluit de modulaire RJ45-stekker (hol) aan op de RJ45-aansluiting (bol).



- Houd alle onderdelen gescheiden.



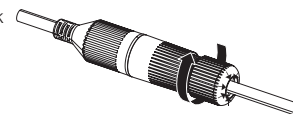
4. Monteer door de modulaire RJ45-stekker (hol) en de RJ45-bescherming met de klok mee te draaien (volg de pijl).



5. Monteer door de RJ45-beschermkap en de achterkap met de klok mee te draaien (volg de pijl). Wanneer de achterkap is gemonteerd, is de waterdichte pakking van de kabel stevig bevestigd aan de kabel om het waterdicht te maken.



- U moet het volledig monteren om de achterkap tot aan het uiteinde van de schroefkop van de RJ45-aansluiting te draaien.



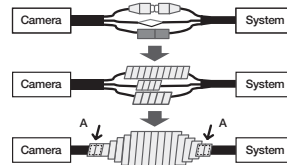
Installatie buiten

Als u de camera buiten het gebouw installeert zorg dan voor waterdichte afscherming met butylrubber tape (te koop in winkels). Het water kan dan niet lekken daar waar de kabel is aangesloten op de buitenkant.

1. Sluit de voeding aan en maak de AUDIO-, LAN- en I/O-verbindingen.
2. Wikkel rond de zwarte kabelmantel (sectie A) en rond de sectie van de verbinding waterdichte (butylrubber) tape zodat er meer dan de helft overlapping is van de butylrubber tape.



- Als de kabel niet goed waterdicht is gemaakt dan is er kans op lekkage. Zorg voor een goede laag van beschermende tape rond de kabel.
- Waterbestendige butyltape is gemaakt uit butylrubber en kan tot twee keer de normale lengte uitrekken.



INSTALLATIE (QNV-6010R/6020R/6030R)



- Deze camera is waterdicht volgens de IP66-norm, maar de stekker naar de externe kabel is dat niet. Het beste is dit product te installeren zodat het onder de dakrand hangt en de kabel beschermd is tegen weersomstandigheden.

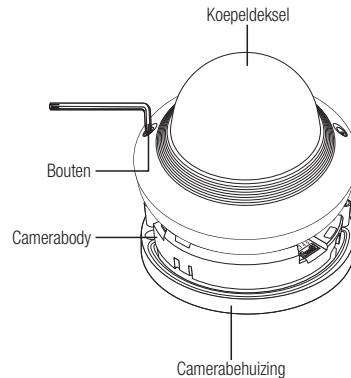
Voorzorgsmaatregelen vóór de installatie

Lees de volgende instructies aandachtig door voordat u de camera installeert:

- Het moet worden geïnstalleerd op het gebied (plafond of muur) dat 5 maal het gewicht van de camera, met inbegrip van de installatie beugel kan weerstaan.
- Losgeraakte of blootliggende kabels kunnen schade aan het product of een brand veroorzaken.
- Houd, om veiligheidsredenen, alle anderen uit de buurt van de installatielocatie.
En berg persoonlijke eigendommen uit de buurt van de locatie op om ongelukken te voorkomen.

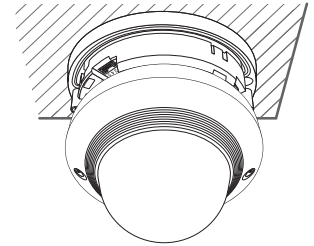
Demontage

1. Draai met behulp van de meegeleverde inbussleutel, de 2 bouten op het deksel van de kop tegen de klok in om het deksel te verwijderen.



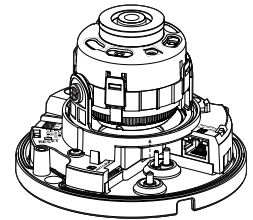
Installatie

1. Gebruik de als accessoire meegeleverde sjabloon, boor het gat voor het schroeven (diameter 6 mm, minimale diepte 55 mm) en plaats hierin stevig tot aan het eind het plastic anker dat als accessoire is meegeleverd.
2. Plaats het gat aan de onderkant op het pluggat en draai een tapschroef (M4.5xL50) in de plug.
3. Leg de benodigde kabels en sluit ze aan. Zorg ervoor dat de kabels niet beschadigd of gedraaid raken wanneer u de camera installeert.
4. Zie het gedeelte '**De monitorrichting voor de camera aanpassen**' om de lensrichting naar wens aan te passen. (pagina 17)
5. Sluit het koepeldeksel.
■ Draai de bout met behulp van een inbussleutel stevig vast om te voorkomen dat er water lekt.

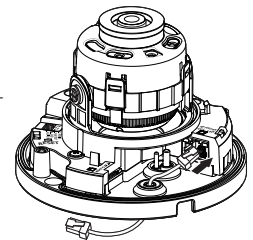


Aansluiten van de LAN-kabel

1. Verwijder het koepeldeksel en de behuizing.
 2. Trek het lange uitstekende deel van de rubberen stekker er aan de onderkant uit en verwijder deze zoals aangegeven in het schema.
- ! ■ Gebruik een geschikte kabeldoorvoer voor de aan te sluiten LAN-kabel.
- Standaardcamera : gebruik de kabel met een diameter van Ø5~6,5.
 - Meegeleverde componenten : gebruik de kabel met een diameter van Ø7~8,5.

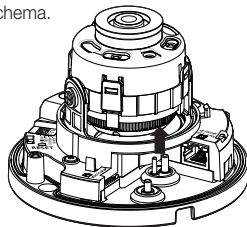


3. Steek de LAN-kabel in het grote gat dat ontstaan is door het verwijderen van het uitstekende deel van de rubberen stop in stap 2 hierboven.
4. Verwijder de schede met een kabelknipper en lijn de kabels uit.
5. Verbind de LAN-kabel met een LAN-connector en plaats deze in het LAN-gereedschap.
6. Verbind de afgewerkte kabel met de ethernetpoort.

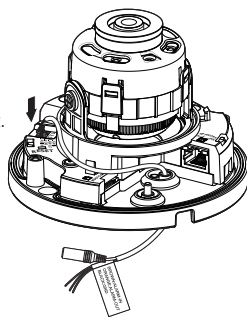


Aansluiten van de audio-/alarmkabel en voedingskabel

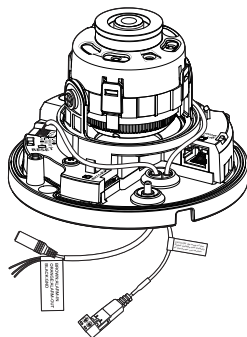
1. Verwijder het koepeldeksel en de behuizing.
2. Trek de rubberen stop er aan de onderkant uit zoals aangegeven in het schema.



3. Voer de alarm-/audiokabel door het gat dat ontstaat bij verwijdering van de rubberen kap in nr. 2 en sluit de kabel aan op de alarmklem.
4. Lijn de kabel uit zodat deze niet wordt beschadigd of vast komt te zitten tijdens de installatie van de camera.
5. Stop de rubberen kap die zich op de alarm-/audiokabel bevindt in het gat.



6. Steek de voedingskabel in de kleine opening en door de lange, uitgesneden groef.
7. Sluit de voedingskabel aan op het voedingsklemblok.
8. Zie het gedeelte 'De monitorrichting voor de camera aanpassen' om de lensrichting naar wens aan te passen. (pagina 17)
9. Bevestig het koepeldeksel.



Bevestiging aan de ongebundelde adapter

Zie de volgende voorbeelden van een installatie met optionele onderdelen en koop die adapter (afzonderlijk verkrijgbaar) die geschikt is voor uw installatie.

1. Verwijder het koepeldeksel van de behuizing door te kijken naar de sectie '**Demontage**'. (pagina 15)
2. Gebruik de bijgeleverde kolom Schroeven om de camerabehuizing aan de ongebundelde adapter te bevestigen.
3. Leg de benodigde kabels en sluit ze aan. Zorg ervoor dat de kabels niet beschadigd of gedraaid raken wanneer u de camera installeert.
4. Installeer de camerabody door de procedure '**Demontage**' in omgekeerde volgorde uit te voeren.
5. Zie het gedeelte '**De monitorrichting voor de camera aanpassen**' om de lensrichting naar wens aan te passen. (pagina 17)
6. Sluit het koepeldeksel.
 - Draai de bout met behulp van een inbussleutel stevig vast om te voorkomen dat er water lekt.

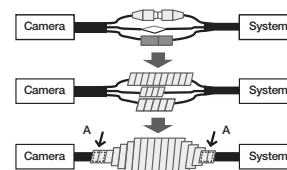
Installatie buiten

Als u de camera buiten het gebouw installeert zorg dan voor waterdichte afscherming met butylrubber tape (te koop in winkels). Het water kan dan niet lekken daar waar de kabel is aangesloten op de buitenkant.

1. Sluit de voeding aan en maak de BNC-, LAN- en I/O-verbindingen.
2. Wikkel rond de zwarte kabelmantel (sectie A) en rond de sectie van de verbinding waterdichte (butylrubber) tape zodat er meer dan de helft overlapping is van de butylrubber tape.



- Als de kabel niet goed waterdicht is gemaakt dan is er kans op lekkage. Zorg voor een goede laag van beschermende tape rond de kabel.
- Waterbestendige butyltape is gemaakt uit butylrubber en kan tot twee keer de normale lengte uitrekken.

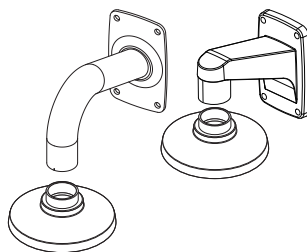


Optionele accessoires voor installatie

Voor eenvoudigere installatie kunt u optionele accessoires aanschaffen.

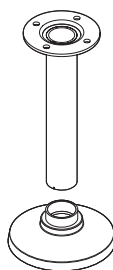
1. WANDBEVESTIGINGSADAPTER (SBP-300WM of SBP-300WM1)/OPHANGVERBINDINGSSTUK (QND-6010R/6030R : SBP-300HM8, QND-6020R : SBP-300HM7)

Deze adapter wordt gebruikt wanneer de koepelcamera aan een wand wordt bevestigd.



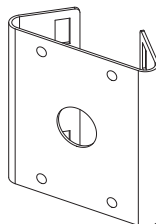
2. PLAFONDBEVESTIGINGSADAPTER (SBP-300CM)/OPHANGVERBINDINGSSTUK (QND-6010R/6030R : SBP-300HM8, QND-6020R : SBP-300HM7)

Deze adapter wordt gebruikt wanneer de koepelcamera aan een betonnen plafond wordt bevestigd.



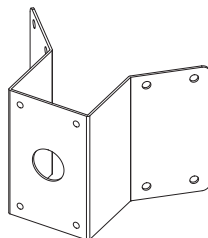
3. PAALBEVESTIGINGSADAPTER (SBP-300PM)

Dit is een adapter voor installatie met WANDBEVESTIGINGSADAPTER (SBP-300WM of SBP-300WM1) op een paal met een diameter van meer dan 80 mm.

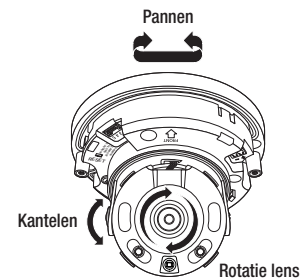


4. HOEKBEVESTIGINGADAPTER (SBP-300KM)

Dit is een adapter voor installatie met WANDBEVESTIGINGSADAPTER (SBP-300WM of SBP-300WM1) op de hoek van twee wanden.



De monitorrichting voor de camera aanpassen (QND-6010R/6020R/6030R, QNV-6010R/6020R/6030R)



De monitorrichting aanpassen

U kunt de camerarichting alleen aanpassen als de camera aan het plafond is bevestigd. Het naar links en rechts roteren van de camera wordt pannen genoemd, het aanpassen van de kanteelhoek wordt kantelen genoemd en het draaien van de lens op de as wordt roteren genoemd.

- Het effectieve panbereik is in totaal 350 graden.
- Het effectieve rotatiebereik is in totaal 355 graden.
- Het effectieve kanteelbereik is in totaal 67 graden.



- Het beeld kan worden bedekt door de camerabehuizing afhankelijk van de invalshoek.
- Draai niet krachtig aan de focus- en/of zoomlens nadat de koepelbehuizing is gedemonteerd. Anders wordt er mogelijk niet goed scherpgesteld door een storing in de motor.

Afstelmethode

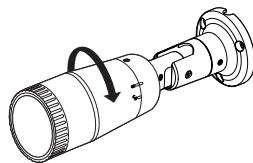
1. Nadat u de camera hebt geïnstalleerd, past u de panningshoek aan. Houd hierbij rekening met de monitorrichting.
2. Stel de horizontale hoek in zodat het beeld niet wordt omgekeerd.
3. Pas de kanteelhoek zodanig aan dat de camera in het te bewaken object wijst.

EEN MICRO SD-GEHEUGENKAART PLAATSEN/VERWIJDEREN

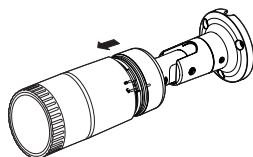
- Koppel de voedingskabel los van de camera voordat u de Micro SD-geheugenkaart plaatst.
- Duw de Micro SD-geheugenkaart niet met geweld naar binnen als deze ondersteboven in de sleuf is geplaatst. De Micro SD-kaart kan anders beschadigd raken.
- Bij regen of een hoge vochtigheid wordt het plaatsen of uitwerpen van een Micro-SD-kaart niet aanbevolen.
- Demontage van de kap van het product moet binnen 5 minuten worden uitgevoerd, anders bestaat er een risico op interne condensatie.

Een Micro SD-geheugenkaart plaatsen (QNO-6010R/6020R/6030R)

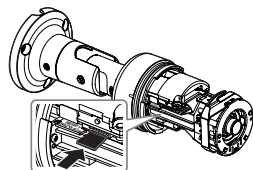
1. Draai de voorkap in de richting ONTGRENDELEN [↺].



2. Trek aan en scheid de voorkap.

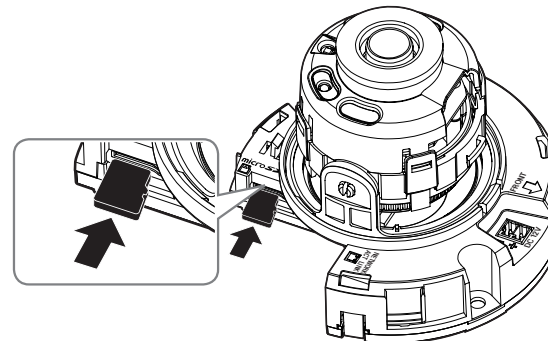


3. Plaats een Micro-SD-kaart in de richting van de pijl als getoond in de afbeelding.

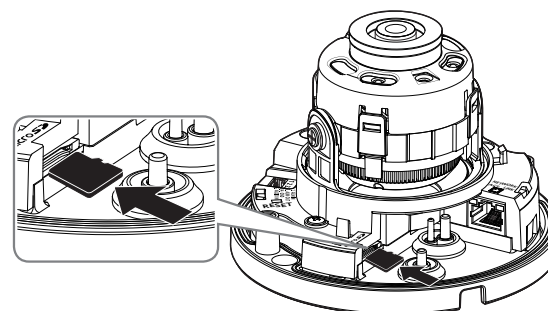


Een Micro SD-geheugenkaart plaatsen (QND-6010R/6020R/6030R, QNV-6010R/6020R/6030R)

1. Scheid de koepelkap van de camera.
2. Plaats een Micro-SD-kaart in de richting van de pijl als getoond in de afbeelding.



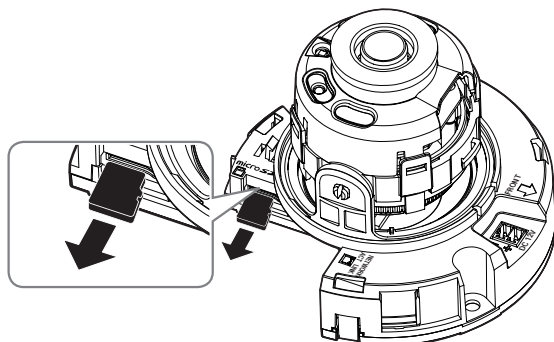
<QND-6010R/6020R/6030R>



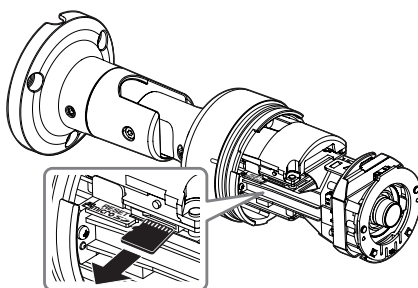
<QNV-6010R/6020R/6030R>

Een Micro SD-geheugenkaart verwijderen

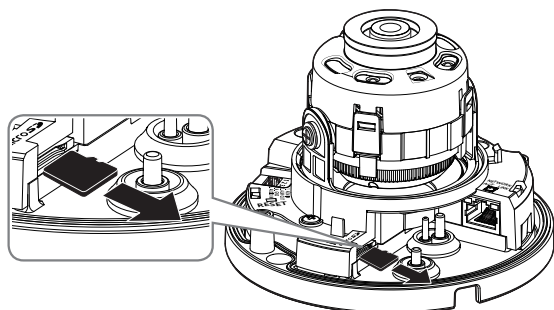
Druk voorzichtig op het uitstekende gedeelte van de geheugenkaart, zoals aangegeven in de afbeelding, om de geheugenkaart uit te werpen.



<QND-6010R/6020R/6030R>



<QND-6010R/6020R/6030R>



<QNV-6010R/6020R/6030R>



- Als u te hard drukt, kan de Micro SD-geheugenkaart naar buiten schieten nadat u deze hebt losgelaten.
- Voordat u uw Micro SD geheugenkaart verwijdert, schakelt u de camera uit of gaat u naar <Opslag>, zet het apparaat uit en drukt u op de knop **[Toepassen (Toepassen)]**.
- Als u de camera uitschakelt of de Micro SD-geheugenkaart verwijdert die de gegevens van het product bevat, kunnen de gegevens verloren gaan of beschadigd raken.

INFORMATIE OVER GEHEUGENKAART (NIET BIJGELEVERD)

Wat is een geheugenkaart?

Een geheugenkaart is een extern apparaat voor gegevensopslag dat is ontwikkeld als nieuwe methode om video-, audio- en tekstgegevens op te nemen en te delen met digitale apparaten.

Een geschikte geheugenkaart kiezen

Uw camera ondersteunt Micro SD-/SDHC-/SDXC-geheugenkaarten.

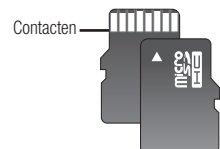
Er kunnen echter compatibiliteitsproblemen optreden, afhankelijk van het model en type van de geheugenkaart.

Voor uw camera raden wij aan dat u een geheugenkaart van een van de volgende fabrikanten gebruikt: Micro SD-/SDHC-/SDXC-geheugenkaart: Sandisk, Transcend

Het wordt aanbevolen om een geheugenkaart van 4 tot 128GB (klasse uhs-1) te gebruiken voor deze camera.

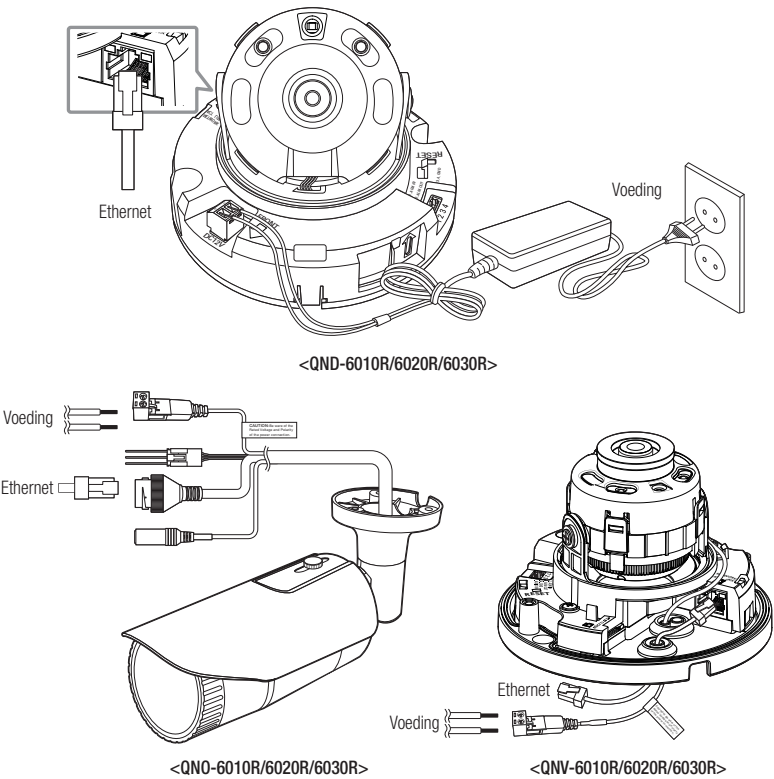
De afspelerweergave kan worden beïnvloed door de snelheid van de geheugenkaart. Gebruik daarom geheugenkaarten met hoge snelheid.

Onderdelen van de geheugenkaart



Micro SD/SDHC/SDXC

VERBINDEN MET ANDERE APPARATEN



Ethernetverbinding

Sluit de ethernetkabel aan op het lokale netwerk of het internet.

Voeding

Sluit met behulp van de schroevendraaier elke draad (+, -) van de stroomkabel aan op de corresponderende voedingspoort van de camera.

- Als PoE en DC 12V tegelijkertijd worden toegepast, wordt het apparaat gevoed via PoE.
 - U kunt ook een router met PoE gebruiken om de camera van stroom te voorzien.
 - Gebruik PoE die voldoet aan de IEEE 802.3af-protocollen.
 - U wordt aangeraden om slechts één voedingsbron te gebruiken, PoE of DC 12V.
- Zorg ervoor dat u de polariteit niet omdraait wanneer u de voedingskabel aansluit.
- Als u een extern apparaat wilt aansluiten, moet u het externe apparaat uitschakelen voordat u verdergaat.

Stroomkabel specificatie voor elk model

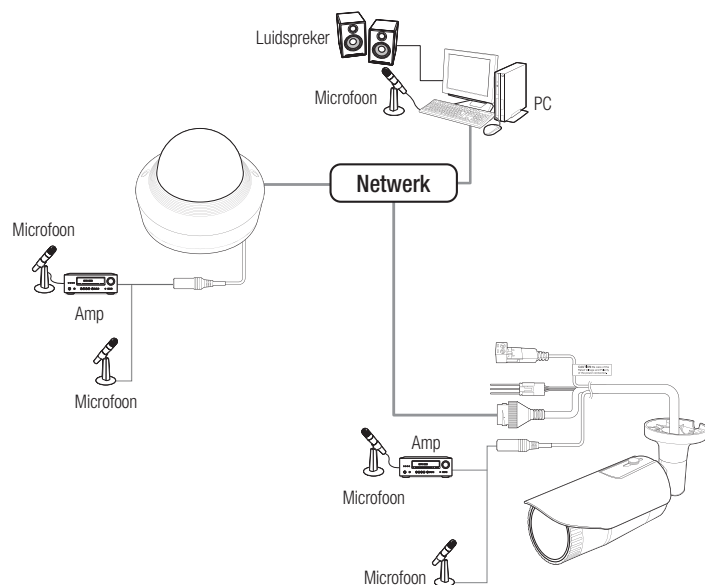
In het geval van DC 12V invoer:

Draad Type (AWG)	#22	#20	#18
Kabellengte (Max.)	24m	38m	60m

Netwerkkabel specificatie

Item	Inhoud	Opmerking
Connector	RJ45	
Ethernet	10/100BASE-T	10/100 Mbps
Kabel	UTP Categorie 5e	
Max afstand	100M	
PoE ondersteuning	IEEE 802.3af	

Aansluiten van de audio-ingang



1. Sluit de AUDIO IN-poort van de camera aan op de microfoon of de LINE OUT-poort van de versterker waarop de microfoon is aangesloten.

 ■ U kunt gebruikmaken van de ingebouwde microfoon in de camera zonder een externe microfoon aan te hoeven sluiten. (alleen beschikbaar voor QND-6010R/6020R/6030R)

2. Controleer de specificaties voor audio-invoer.

• Audiocodec

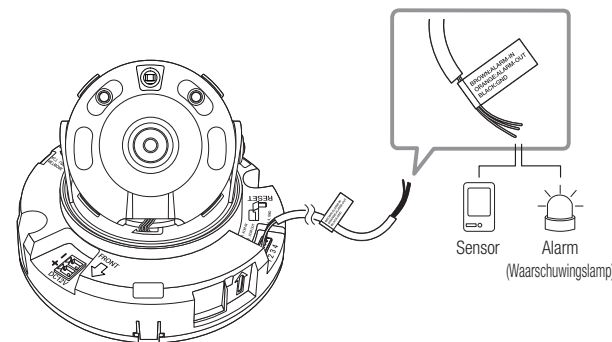
- Audio-In: G.711 PCM (Bitsnelheid: 64Kbps / Samplingfrequentie: 8kHz), G.726 ADPCM (Bitsnelheid: 16Kbps, 24Kbps, 32Kbps, 40Kbps / Samplingfrequentie: 8kHz)

• Full-duplex geluid

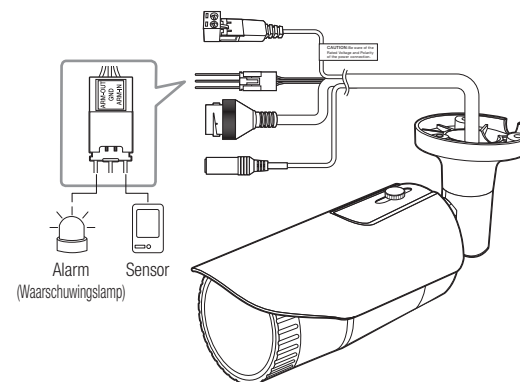
- **Audio in (QND-6010R/6020R/6030R)** : Selecteerbaar (ingebouwde microfoon), Ondersteund Voltage: 2,5 VDC (4mA), Ingangsimpedantie: 2K Ohm
- **Audio in (QNO-6010R/6020R/6030R, QNV-6010R/6020R/6030R)** : Selecteerbaar (microfoon/lijn in), Ondersteund voltage: 2,5 VDC (4mA), Ingangsimpedantie: 2K Ohm

Aansluiten op de doos met de in- en uitgangen

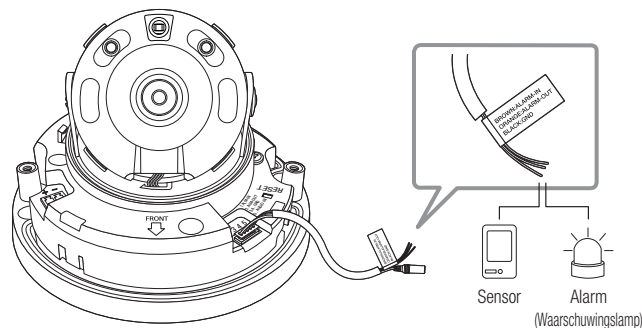
Sluit de in/uit-kabel van het alarm aan op de corresponderende poort van de poortdoos.



<QND-6010R/6020R/6030R>



<QNO-6010R/6020R/6030R>



<QNV-6010R/6020R/6030R>

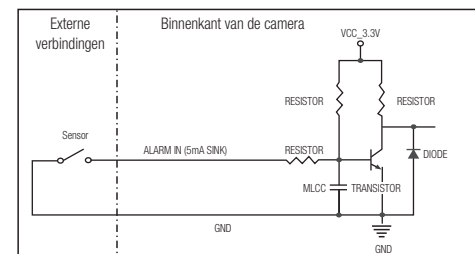
- ALARM-IN : Gebruikt om de sensor van de alarminvoer of externe dag/nacht sensor aan te sluiten.
- ALARM-OUT : Wordt gebruikt voor het aansluiten van het alarmuitgangssignaal.
- GND : Gemeenschappelijke poort voor alarm van in- uitvoersignaal.

! ■ De met de open collector-methode aangesloten apparaten (bijv. zwaailicht en sirene) kunnen storingen ondervinden als de stroom- en voltagespecificaties worden overschreden.
Zie 'Alarm Uit Bedrading Diagram' bij het aansluiten van apparaten die het voltage en de huidige specificaties te boven gaan. (pagina 22)

Verbinden met de externe sensor

Sluit één draad van de sensorsignaalkabel (2-dradig) aan op de [ALARM IN]-poort en sluit de andere aan op de [GND]-poort.

Alarm In Bedrading Diagram

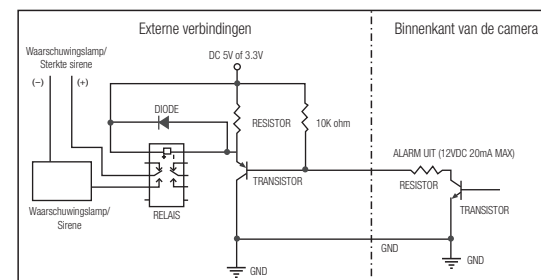


Om het alarm-uit te verbinden

De met de open collector-methode aangesloten apparaten (bijv. zwaailicht en sirene) kunnen storingen ondervinden als de stroom- en voltagespecificaties worden overschreden.

Bekijk het alarm-uit-verbindingsdiagram hieronder wanneer u apparaten aansluit die de voltage- en stroomspecificaties overschrijden.

Alarm Uit Bedrading Diagram

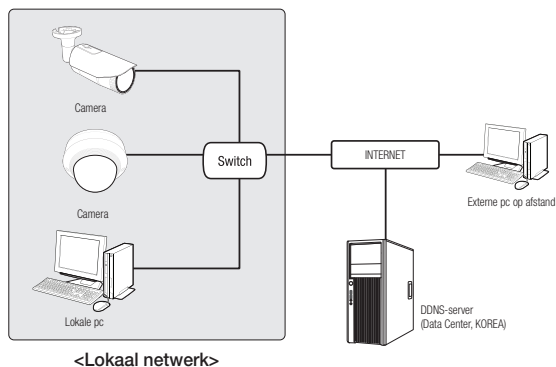


U kunt de netwerkinstellingen volgens uw netwerkconfiguratie instellen.

DE CAMERA DIRECT OP EEN LAN- NETWERK AANSLUITEN

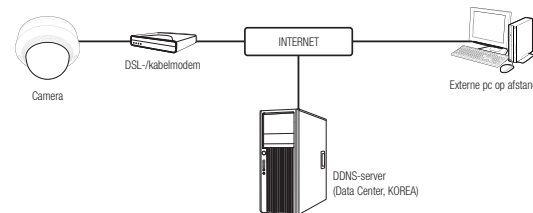
Verbinding maken met de camera vanaf een lokale pc binnen het LAN-netwerk

1. Start een internetbrowser op de lokale PC.
2. Voer het IP-adres van de camera in de adresbalk van de browser in.



- Een externe pc met een internetverbinding buiten het LAN-netwerk kan mogelijk geen verbinding maken met een camera die op het intranet is geïnstalleerd als poort-doorsturen niet goed is ingesteld of als er een firewall is ingesteld. In dat geval neemt u contact op met uw netwerkbeheerder om het probleem op te lossen.
- Als fabrieksinstelling wordt automatisch het IP-adres van de DHCP-server toegewezen. Als er geen DHCP-server beschikbaar is, wordt het IP-adres ingesteld op 192.168.1.100. Gebruik Device Manager om het IP-adres te wijzigen. Voor meer informatie over Device Manager raadpleegt u "**Device Manager gebruiken**". (pagina 25)

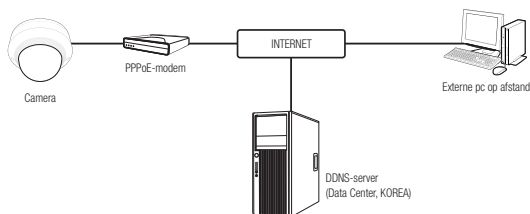
DE CAMERA DIRECT AANSLUITEN OP EEN DSL- OF KABELMODEM OP BASIS VAN DHCP



1. Sluit de gebruikers-pc direct aan op de netwerkkamera.
2. Voer Device Manager uit en wijzig het IP-adres van de camera dusdanig dat u de webbrowser op uw desktop kunt gebruiken om verbinding te maken met internet.
3. Gebruik de internetbrowser om verbinding met de Webviewer te maken.
4. Ga naar de **[Instellingen]** pagina.
5. Ga naar **[Tijd wijzigen]** – **[DDNS]** en configureer de DDNS-instellingen.
6. Ga naar **[Basic]** – **[IP & Poort]** en stel het IP-type in op **[DHCP]**.
7. Sluit de camera die van uw pc is verwijderd, direct aan op het modem.
8. Start de camera opnieuw.

- Voor informatie over het instellen van DDNS, raadpleeg de onlinehulp van Web Viewer.
- Voor informatie over het instellen van het IP-format, raadpleeg de onlinehulp van Web Viewer.

DE CAMERA DIRECT OP EEN PPPoE MODEM AANSLUITEN

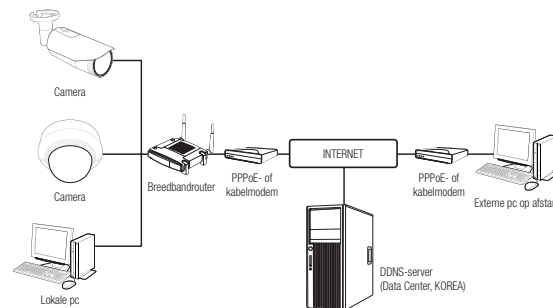


1. Sluit de gebruikers-pc direct aan op de netwerkcamera.
2. Voer Device Manager uit en wijzig het IP-adres van de camera dusdanig dat u de webbrowser op uw desktop kunt gebruiken om verbinding te maken met internet.
3. Gebruik de internetbrowser om verbinding met de Webviewer te maken.
4. Ga naar de **[Instellingen]** pagina.
5. Ga naar **[Tijd wijzigen]** – **[DDNS]** en configureer de DDNS-instellingen.
6. Ga naar de configuratiepagina **[Basic]** – **[IP & Poort]**, stel het IP-type in op **[PPPoE]** en voer de ID en het wachtwoord van de netwerkservices in.
7. Sluit de camera die van uw pc is verwijderd, direct aan op het modem.
8. Start de camera opnieuw.

- Voor informatie over het instellen van DDNS, raadpleeg de onlinehulp van Web Viewer.
- Voor informatie over het instellen van het IP-format, raadpleeg de onlinehulp van Web Viewer.

DE CAMERA OP EEN BREEDBANDROUTER AANSLUITEN MET HET PPPoE/KABELMODEM

Dit is voor een kleine netwerkgeving, zoals een thuisnetwerk of een netwerk in een klein bedrijf of winkel.



De netwerkinstellingen configureren van de lokale pc die is aangesloten op een breedbandrouter

Volg onderstaande aanwijzingen op om de netwerkinstellingen te configureren van de lokale pc die is aangesloten op een breedbandrouter

- Selecteer: **<Network> → <Properties> → <Local Area Connection> → <General> → <Properties> → <Internet Protocol (TCP/IP)> → <Properties> → <Obtain an IP address automatically>** of **<Use the following IP address>**.
- Volg onderstaande aanwijzingen op als u kiest voor **<Het volgende IP-adres gebruiken>**:
 - Voorbeeld 1 : als het (lokale IP) adres van de breedbandrouter 192.168.1.1 is
IP-adres: 192.168.1.100
Subnetmasker: 255.255.255.0
Standaardgateway: 192.168.1.1
 - Voorbeeld 2 : als het (lokale IP) adres van de breedbandrouter 192.168.0.1 is
IP-adres: 192.168.0.100
Subnetmasker: 255.255.255.0
Standaardgateway: 192.168.0.1
 - Voorbeeld 3 : als het (lokale IP) adres van de breedbandrouter 192.168.xxx.1 is
IP-adres: 192.168.xxx.100
Subnetmasker: 255.255.255.0
Standaardgateway: 192.168.xxx.1

- Raadpleeg de productdocumentatie voor het adres van de breedbandrouter.
- Raadpleeg het gedeelte **'Poortbereik doorsturen (Poortmapping) instellen'** van de documentatie die bij de breedbandrouter is geleverd. (pagina 27)

DEVICE MANAGER GEBRUIKEN

- U kunt het programma Device Manager downloaden via het menu <Technical Guides> – <Online Tool> op de website van Hanwha Techwin (<http://www.hanwha-security.com>).
- Meer instructies bij Device Manager vindt u in het menu <Help> van de hoofdpagina.

CAMERA AUTOMATISCH ZOEKEN

Als een camera is verbonden met hetzelfde netwerk als de pc waarop Device Manager is geïnstalleerd, kunt u de netwerkcamera zoeken met behulp van de zoekfunctie.

1. Klik op de hoofdpagina van Device Manager op <Search (Zoeken)>.
2. Vink de camera aan in de lijst.
 - Controleer het MAC-adres op de sticker die op de camera is bevestigd.

IP-ADRES CONFIGUREREN

Als u de netwerkinstelling van de camera wilt wijzigen, moet de status <Login OK (Aanmelden OK)> worden weergegeven bij <Status>. Klik op de hoofdpagina op <Authentication (Authenticatie)> om u aan te melden.

Statisch IP configureren

U kunt handmatig het IP-adres en de poortgegevens invoegen en configureren.

1. Klik in de lijst op de camera waarvoor u de IP-instelling wilt wijzigen.
2. Klik op de hoofdpagina van Device Manager op <IP Assign (IP toewijzen)>.
3. Selecteer <Assign the following IP address (Het volgende IP-adres toewijzen)>.
 - IP-gegevens van de camera worden weergegeven zoals ze eerder zijn ingesteld.
4. Vul IP & Poort-categorieën in.

Als u geen breedbandrouter gebruikt

Vraag uw netwerkbeheerder naar de waarden van <IP Address (IP-adres)>, <Subnet Mask (Subnetmasker)>, <Gateway>.

- HTTP Port: wordt gebruikt om de camera te openen met de internetbrowser. De standaardwaarde is 80.
- RTSP Port: Een poort waarmee realtime streaming wordt geregeld. De initiële waarde is 554.

Als u een breedbandrouter gebruikt

- IP Address: voer een adres in dat binnen het IP-bereik van de breedbandrouter valt.
Bijvoorbeeld: 192.168.1.2~254, 192.168.0.2~254, 192.168.XXX.2~254
- Subnet Mask: het <Subnetmasker> van de breedbandrouter is het <Subnetmasker> van de camera.
- Gateway: Het <Lokale IP-adres> van de breedbandrouter is de <Gateway> van de camera.

- De instellingen kunnen verschillen afhankelijk van het aangesloten model breedbandrouter. Raadpleeg de gebruiksaanwijzing van de desbetreffende router voor meer informatie.
- Raadpleeg het gedeelte 'Poortbereik doorsturen (Poortmapping) instellen' van de documentatie die bij de breedbandrouter is geleverd. (pagina 27)

Als er meer dan een camera is aangesloten op de breedbandrouter

Configureer de IP-instellingen en de poortinstellingen nauwkeurig ten opzichte van elkaar.

Bijvoorbeeld:

Categorie		Camera #1	Camera #2
IP-gerelateerde instellingen	IP-adres	192.168.1.100	192.168.1.101
	Subnetmasker	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
Poortgerelateerde instellingen	HTTP Poort	8080	8081
	RTSP Poort	554	555

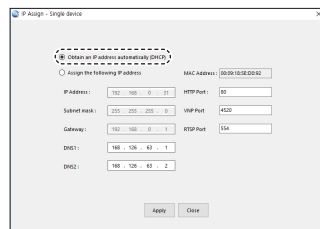
- Als de <HTTP Port> een andere waarde heeft dan 80, moet u het <Port>-nummer in de adresbalk van de internetbrowser aangeven voordat u toegang krijgt tot de camera.
bijvoorbeeld: <http://IP-adres: HTTP-poort>
<http://192.168.1.100:8080>

5. Klik op de knop [Toepassen].
6. Als het bericht Geslaagd wordt weergegeven, klikt u op [OK].

Dynamisch IP-adres configureren

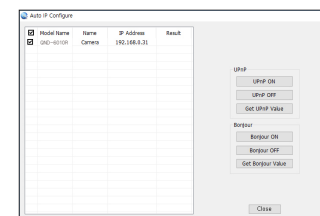
IP-adres ophalen van DHCP

- Voorbeeld van een dynamische IP-omgeving
 - Als er aan een breedbandrouter, met aangesloten camera's, een IP-adres is toegewezen door de DHCP-server
 - Als de camera via de DHCP-protocollen direct wordt aangesloten op het modem
 - Als er IP's door de interne DHCP-server zijn toegewezen via het LAN
- Klik in de lijst op de camera waarvoor u de IP-instelling wilt wijzigen.
 - Klik op de hoofdpagina van Device Manager op **<IP Assign (IP toewijzen)>**.
 - Selecteer **<Obtain an IP address automatically (DHCP) (Automatisch een IP-adres verkrijgen (DHCP))>**.
 - Klik op de knop **[Apply (Toepassen)]**.
 - Als het bericht Geslaagd wordt weergegeven, klikt u op **[OK]**.



IP-ADRES AUTOMATISCH CONFIGUREREN

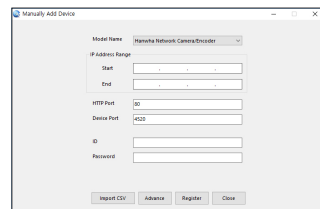
- Klik in de lijst op de camera waarvoor u het IP-adres automatisch wilt configureren.
- Klik op de hoofdpagina van Device Manager op **< + >**.
 - Het menu Equipment Setting (Apparatuurinstelling) wordt geopend.
- Klik in het menu op **<Auto IP Configure (Automatische IP-instellingen)>**.
- Klik op de knop **[Close (Sluiten)]**.



CAMERA HANDMATIG REGISTREREN

Als u de camera niet kunt vinden met de zoekfunctie, kunt u deze op afstand registreren door handmatig IP-gegevens in te voeren als de camera is verbonden met een extern netwerk.

- Klik op de hoofdpagina van Device Manager op **<Add Devices (Apparaten toevoegen)>** – **<Manually Add Device (Apparaat handmatig toevoegen)>**.
- Voeg het IP-adresbereik in waarin u wilt zoeken.
- Selecteer de **<Model Name (modelnaam)>** van de camera die u wilt registreren en voegt HTTP-poort, ID en wachtwoord in.
- Klik op de knop **[Register (Registreren)]**.
- Controleer of de camera is geregistreerd.
 - Controleer het MAC-adres op de sticker die op de camera is bevestigd.

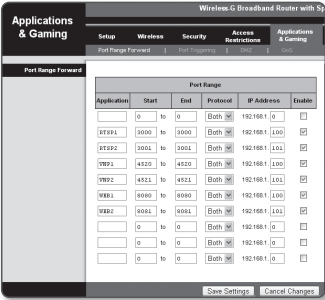


POORTBEREIK DOORSTUREN (POORTMAPPING) INSTELLEN

Als u een breedbandrouter hebt geïnstalleerd terwijl een camera is aangesloten, moet u poortbereik doorsturen op de breedbandrouter instellen zodat de camera kan worden bediend via een pc op afstand.

Handmatig poortbereik doorsturen

- 1. Selecteer in het Instellingenmenu van de breedbandrouter <Applications & Gaming> - <Port Range Forward>. Raadpleeg voor het instellen van poortbereik doorsturen bij een breedbandrouter van een derde partij de gebruikershandleiding van de desbetreffende breedbandrouter.
- 2. Selecteer <TCP> en <UDP Port> voor elke camera die is aangesloten op de breedbandrouter. Het nummer van elke poort die geconfigureerd moet worden naar de UP-router dient te worden ingesteld volgens het poortnummer dat is toegewezen in <Instellingen> - <Basic> - <IP & Poort> op de webviewer van de camera.
- 3. Klik op [Save Settings] wanneer u klaar bent. Uw instellingen worden opgeslagen.

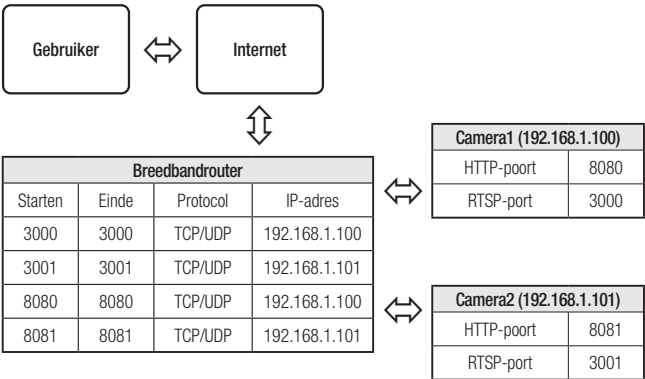


- De instelling Port forwarding is een voorbeeld van het instellen van een CISCO IP-router.
- De instellingen kunnen verschillen afhankelijk van het aangesloten model breedbandrouter. Raadpleeg de gebruiksaanwijzing van de desbetreffende router voor meer informatie.

Poortbereik doorsturen instellen voor verschillende netwerkcamera's

- U kunt een poort doorsturenregel instellen op de breedbandrouter via de configuratiewebpagina van de breedbandrouter.
- Een gebruiker kan elke poort wijzigen met gebruik van het camera-instellingscherm.

Wanneer Camera1 en Camera2 zijn aangesloten op een router :



- Port-forwarding kan worden uitgevoerd zonder extra router set-up als de router ondersteuning biedt voor de functie UPnP (universele Plug en Play). Na het verbinden van de netwerkcamera selecteert u het selectievakje in het menu <Snel verbinden> in <Wisenet DDNS> in "Instellingen -> Tijd wijzigen -> DDNS".

EEN VERBINDING MET DE CAMERA MAKEN VANAF EEN GEDEELDE LOKALE PC

1. Voer Device Manager uit.
Deze zal scannen naar aangesloten camera's en deze op een lijst weergeven.
2. Dubbelklik op een camera voor toegang.
De internetbrowser start en maakt verbinding met de camera.



- U kunt ook toegang tot de camera krijgen door het IP-adres van de camera in de adresbalk van de internetbrowser in te voeren.

EEN VERBINDING MET DE CAMERA MAKEN VANAF EEN PC OP AFSTAND VIA INTERNET

Op een externe computer die niet behoort tot het netwerkcluster van de breedbandrouter, hebben gebruikers toegang tot camera's in het netwerk van de breedbandrouter via de DDNS URL van de camera.

1. Voordat u toegang hebt tot een camera in het breedbeeldnetwerk, moet u poortbereik doorsturen voor de breedbeeldrouter hebben ingesteld.
2. Start de internetbrowser vanaf de pc op afstand en geef in de adresbalk de DDNS-URL van de camera of het IP-adres van de breedbandrouter op.
Bijvoorbeeld: <http://ddns.hanwha-security.com/ID>

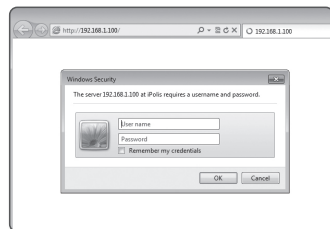


- Als u Wisenet DDNS wilt gebruiken, meldt u zich aan op de startpagina van Wisenet DDNS (<http://ddns.hanwha-security.com>) en registreert u het product via **[Mijn DDNS]>[Product registreren]**.

VERBINDING MAKEN MET DE CAMERA

Doorgaans gaat u als volgt te werk

1. Start de internetbrowser.
2. Geef het IP-adres van de camera op in de adresbalk.
Bijvoorbeeld: • IP-adres (IPv4): 192.168.1.100 → `http://192.168.1.100`
- het aanmeldingsvenster moet nu verschijnen.
• IP-adres (IPv6): 2001:230:abcd:ffff:0000:0000:ffff:1111
→ `http://[2001:230:abcd:ffff:0000:0000:ffff:1111]`
- het aanmeldingsvenster moet nu verschijnen.



Als de HTTP-poort niet 80 is

1. Start de internetbrowser.
2. Typ het IP-adres en HTTP-poortnummer van de camera.
Bijvoorbeeld: IP-adres: 192.168.1.100:HTTP-poortnummer(8080)
→ `http://192.168.1.100:8080` - het aanmeldingsvenster moet nu verschijnen.

Het URL-adres gebruiken

1. Start de internetbrowser.
2. Typ de DDNS-URL van de camera in de adresbalk.
Bijvoorbeeld: URL-adres: `http://ddns.hanwha-security.com/ID`
- het aanmeldingsvenster moet nu verschijnen.



- Netwerkverbinding is uitgeschakeld in een LAN only-omgeving.

Verbinding maken via UPnP

1. Stel de cliënt of besturingssysteem in voor ondersteuning van het UPnP-protocol.
2. Klik op de naam van de camera om te zoeken.
In het Windows-besturingssysteem, klik op de naam van de gezochte camera via het netwerkmenu.
- Het inlogvenster wordt weergegeven.

Aansluiten via Bonjour

1. Stel de cliënt of besturingssysteem in voor ondersteuning van het Bonjour-protocol.
2. Klik op de naam van de camera om te zoeken.
In het Mac-besturingssysteem, klik op de naam van de gezochte camera via het tabblad Bonjour van Safari.
- Het inlogvenster wordt weergegeven.

Het DDNS-adres controleren

Als de camera rechtstreeks op het DHCP-kabelmodem, DSL-modem of PPPoE-modem is aangesloten, wordt het IP-adres van uw netwerk gewijzigd telkens wanneer u verbinding probeert te maken met de ISP-server (Internet Service Provider).

Als dit het geval is, wordt u niet op de hoogte gebracht van het door DDNS gewijzigde IP-adres.

Zodra u een dynamisch IP-apparaat registreert bij de DDNS-server, kunt u eenvoudig de gewijzigde IP controleren wanneer u toegang probeert te krijgen tot het apparaat.

Om uw apparaat te registreren bij de <DDNS>-server: ga naar `http://ddns.hanwha-security.com` en registreer eerst uw apparaat. Stel vervolgens de <Tijd wijzigen> - <DDNS> van de Web Viewer in op <Wisenet DDNS>, en geef het <Product-Id> op dat werd gebruikt voor DDNS-registratie.

PROBLEMEN OPLOSSEN

PROBLEEM	OPLOSSING
Er wordt geen video weergegeven bij het openen van het gratis webweergaveprogramma met plug-in op Safari via HTTPS.	- Klik in het bevestigingspop-upvenster wanneer u voor de eerste keer toegang tot https krijgt op "Weergave bevestigingscertificaat" en kies de "Altijd vertrouwen wanneer u verbinding maakt met de bedoelde webviewer IP"-check box. - Als het webweergaveprogramma een video nog steeds niet weergeeft na het selecteren van "Volgende" in het onderstaande berichtenvenster, drukt u op de commandotoets + Q voor het afsluiten van de Safari-browser, open opnieuw en volg de hierboven vermelde procedures.
Ik heb geen toegang tot de camera vanaf een webbrowser.	- Controleer of de netwerkinstellingen van de camera correct zijn. - Controleer of alle netwerkkabels juist zijn aangesloten. - Als u verbinding maakt via DHCP, controleert u of de camera probleemloos dynamische IP-adressen kan ophalen. - Als de camera is aangesloten op een breedbandrouter, controleert u of poort doorsturen juist is geconfigureerd.
De viewer werd afgesloten tijdens controle.	- Aangesloten viewers worden afgesloten na een wijziging in een camera of netwerkconfiguratie. - Controleer alle netwerkverbindingen. - Als de camera is aangesloten via een PPPoE-netwerk, kan de viewer worden afgesloten bij slechte netwerkomstandigheden.
Er wordt geen video afgespeeld wanneer ik het webweergaveprogramma voor de eerste keer open of verbinding maak tussen streaming en de client.	Het maximum aantal beschikbare profielen is 3. De verbinding kan verloren gaan als u 4 of meer profielen gebruikt. Voorbeeld) Als u MJPEG, H.264 en H.265 opent en vervolgens opent met een ander profiel, gaat de verbinding verloren.
De camera die met het netwerk is verbonden, wordt niet gedetecteerd in Device Manager.	Schakel de firewall-instellingen op uw pc uit en zoek nogmaals naar de camera.
Beelden overlappen elkaar.	Controleer of twee of meer camera's zijn ingesteld op een enkel multicast-adres in plaats van verschillende adressen. Als een enkel adres wordt gebruikt voor verschillende camera's, kunnen de beelden elkaar overlappen.
Er verschijnt geen beeld.	Als de transmissiemethode is ingesteld op multicast, controleert u of er een router is die multicast ondersteunt in de LAN waar de camera op is aangesloten.

PROBLEEM	OPLOSSING
Bestand wordt niet overgezet naar de e-mail, zelfs als een voorval van bewegingsdetectie wordt gegenereerd met <Bewegingsdetectie> ingesteld op <Aan> op de pagina <Gebeurtenis>.	- Controleer de instellingen in de volgende volgorde: A. ontleer de instellingen <Datum en tijd>. B. De optie <Bewegingsdetectie> moet worden ingesteld op <Inshakelen>. C. Controleer of de optie <E-mail> in het menu <Gebeurtenis instellen> is ingeschakeld voor gebruik.
Kan niet opnemen op de Micro SD-geheugenkaart.	Controleer of de geheugenkaart defect is.
Er is een Micro SD-geheugenkaart ingevoerd, maar de camera werkt niet naar behoren.	- Controleer of de geheugenkaart in de juiste richting is ingevoerd. De werking van een geheugenkaart die is geformatteerd door een ander apparaat, is niet gegarandeerd voor deze camera. - Formateer de geheugenkaart nogmaals in het menu <Instellingen> → <Gebeurtenis> → <Opnemen>.
Kan niet opnemen op de NAS.	Controleer of de informatie die is geregistreerd in de NAS correct is.
Er wordt gerapporteerd dat het instellen van de NAS is mislukt.	- Controleer of het IP-adres van de NAS geldig is. - Controleer of de ID en het wachtwoord van de NAS geldig zijn. - Controleer of u toegang heeft tot de map die is toegewezen als de basismap met behulp van de ID van de NAS. - Controleer of de items SMB/CIFS in de NAS uitgeschakeld zijn. - Controleer of het NAS-IP-adres en het camera IP-adres dezelfde indeling hebben. Bijv.) De NAS & camera subnetmasker beginwaarde is 255.255.255.0. Als het IP-adres 192.168.20.32 is dan moet het NAS-IP-adres in het bereik van 192.168.20.1~192.168.20.255 zijn ingesteld. - Controleer of u probeert te benaderen als een andere gebruiker zonder de basismap te formatteren die is opgeslagen of gebruikt. - Controleer of u aanbevolen NAS-apparatuur gebruikt.

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

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

We are required to state that

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

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1. This License Agreement sets forth copyrights and the terms and conditions of use applicable to the source code of T-Kernel distributed by T-Engine Forum and any derivative work created therefrom.

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1. "T-Kernel" means a real-time operating system controlled and distributed by T-Engine Forum on behalf of the copyright holder thereof.
2. "Source Code" means a source program, including related comments and documentations, for the T-Kernel and the Ported Source Code defined in Article 2.8 which is registered with T-Engine Forum.
3. "Hardware-dependent Part" means the part of the Source Code which depends on hardware and needs to be changed when the Source Code is ported and operated on the target hardware, and is designated and separated as such part.
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6. "T-Engine Hardware" means the hardware which is manufactured in accordance with the T-Engine Hardware specifications or the μ T-Engine Hardware specifications issued by T-Engine Forum, and registered with T-Engine Forum.
7. "Similar Hardware to T-Engine Hardware" means any hardware (including software which emulates hardware) other than that defined in Article 2.6 above, on which the T-Kernel can be operated.
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9. "Modified Source Code" means a source program modified from the Source Code for the purpose of improving its performance, increasing or decreasing its function, and the like. The Ported Source Code shall not be included in the Modified Source Code.
10. "Binary Code" means an executable code form which is created by compiling programs, which include all or part of the Source Code or the Modified Source Code.
11. "Derivative Work" means the Modified Source Code or the Binary Code.
12. "Embedded Product" means any product which operates with executable code form of the Source Code, the Modified Source Code or the Binary Code loaded on its hardware.
13. "End User" means a consumer who uses the Embedded Product.
14. "System Developer" means any person who develops the Embedded Product by itself or has a third party develop the same, and provides, whether with or without payment, the End User with the Embedded Product.
15. "Distributor of Modification" means any person who produces the Modified Source Code and, whether with or without payment, distributes the same to any third party.

16. "Patch for Modification" means a difference, program, system, or the like in order to create the Modified Source Code from the Source Code or the Binary Code thereof.

17. "Vicarious Execution of Patch Processing" means vicarious execution service to create the Modified Source Code applying the Patch for Modification to the Source Code or the Binary Code thereof.

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2. to transmit a work to the general public through the Internet communication, broadcasting, and the like automatically in response to a request from the public; and
3. to distribute a copy of a work to the general public or a large number of specific persons.

Article 3. Copyright

1. The copyrights of the Source Code shall be owned by Ken Sakamura.

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 1. to perform any and all acts set forth in the Article 4.3 above.
 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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1. Any of A- members of T-Engine Forum may become the Distributor of Modification by obtaining the approval of T-Engine Forum through the registration procedure as prescribed by the Forum provided that only the department of the A- member which has taken the registration procedure may distribute the Modified Source Code in such a way as provided for in this Article as long as it holds the Amembership.
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8. The System Developer shall not distribute the Modified Source Code in further modified form to any third party as a stand-alone software product.
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Article 6. Distribution and Registration of the Ported Source Code

1. The Source Code User and the System Developer may, whether with or without charge, distribute to any third party only the following parts of the Ported

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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.
2. The Header File; provided that the Header File shall be distributed together with the Binary Code of the Ported Source Code.
2. Any member of T-Engine Forum may request T-Engine Forum to register and distribute, as an original source code for T-Kernel, the Ported Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.
3. Any member of T-Engine Forum who requests the distribution mentioned in the preceding paragraph shall accede to the following conditions:
 1. The member shall confirm that the object hardware is the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.
 2. The member shall provide T-Engine Forum with a complete set of operational environment for the object hardware and T-Kernel free of charge when requesting the distribution.
 3. The member shall submit test results of the Ported Source Code to T-Engine Forum when requesting the distribution.
4. In the event that T-Engine Forum accepts the request mentioned in Article 6.2, T-Engine Forum shall register and distribute the Ported Source Code as the Source Code for T-Kernel. Provided, however, that the Ported Source Code may be treated in the same way as the Modified Source Code until the time of registration hereunder.
5. The provision set forth in Article 3 shall apply to the Ported Source Code registered in accordance with this Article.

Article 7. Use for Other Purpose

1. Any use of the Source Code, the Modified Source Code or the Ported Source Code other than those stipulated in Articles 4, 5 and 6 shall be subject to the prior approval of T-Engine Forum.

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3. Any legal dispute which may arise in relation to any breach of this License Agreement shall be subject to the exclusive jurisdiction of the Tokyo District Court.

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1. This License Agreement shall be governed by and interpreted under the laws of Japan.
2. This License Agreement is executed in both Japanese text and English text provided that the Japanese text shall govern the interpretation and performance of this License Agreement.

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Julian Seward, jseward@bzip.org

bzip2/libbzip2 version 1.0.5 of 10 December 2007

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iperf performance test

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Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

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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