WISENET

NÄTVERKSKAMERA

Bruksanvisning

QND-6012R/6022R/6032R/6072R/6082R
QNV-6012R/6022R/6032R/6072R/6082R
QNO-6012R/6022R/6032R/6072R/6082R

CE

Nätverkskamera
Bruksanvisning

Upphovsrätt

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Varumärke

Alla varumärken häri har registrerats. Namnet på den här produkten och övriga varumärken som omnämns i den här manualen är ett registrerat varumärke som tillhör respektive företag.

Begränsning

Upphovsrätten till det här dokumentet är begränsad. Under inga omständigheter får det här dokumentet reproduceras, distribueras eller ändras, helt eller delvis, utan föregående formellt godkännande.

Friskrivningsklausul

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- **Utseendet och specifikationerna kan ändras utan föregående meddelande.**
- **Initialt administratörs-ID är "admin" och lösenordet ska ställas in vid första inloggningen.**
  Ändra lösenordet var tredje månad för att säkert skydda den personliga informationen och för att förhindra skada från informationsstölden.
  Observera att det är ananvändarens ansvar att bibehålla säkerheten och andra problem som orsakas av fel hantering av lösenordet.

VIKTIGA SÄKERHETSANVISNINGAR

1. Läs de här instruktionerna.
2. Behåll de här instruktionerna.
3. Dölj alla varningar.
4. Följ alla instruktioner.
5. Använd inte apparaten nära vatten.
6. Rengör den nedsmutsade ytan på produkten med en torr eller fuktig, mjuk trasa.
   (Använd inte rengöringsmedel eller kosmetiska produkter som innehåller alkohol, lösningsmedel, ytaktiva ämnen eller oljebeståndsdelar eftersom dessa kan orsaka skador på produkten.)
7. Blockera inga ventilationsöppningar, installera i enlighet med tillverkarens anvisningar.
8. Installera inte nära några värmekällor, såsom element, värmeaggregat, spisar eller motsvarande apparater (inklusive förstärkare) som producerar värme.
9. Bryt inte mot säkerhetsreglerna för den polariserade eller jordade kontakten.
   En polariserad kontakt har två blad som är bredare än de andra. En jordad kontakt har två blad och ett tredje jordningsstift. Det breda bladet eller det tredje stiftet finns för din säkerhet. Om den medföljande kontakten inte passar i uttaget ska du kontakta en elektriker för att byta det gamla uttaget.
10. Skydda strömsladden från att utsättas för tryck på grund av att du går på den, eller att den kläms, samt skydda bekväma recepterorer och den punkt där de går ut ur apparaten.
11. Använd bara tillbehör/accessoarer som specificeras av tillverkaren.
12. Använd bara med kundvagn, stativ, konsol eller bord som specificeras av tillverkaren eller säljs med apparaten. När en kundvagn används ska du vara försiktig när du flyttar kundvagnen/apparaten för att undvika att skada den till följd av att den välter.



13. Koppla från den här apparaten under åskväder eller när den inte används under längre perioder.
14. Överlåt all service åt behörig personal Service krävs när apparaten har skadats på något sätt, exempelvis då en elsladd eller kontakt har skadats, vätska har spillts ut eller föremål har ramlat ned på apparaten, om apparaten har utsatts för regn eller fukt, inte fungerar normalt eller har fallit.
15. Produkten är avsedd att strömförsörjas av en listad strömkälla märkt ”Klass 2” eller ”LPS” och klassad från 12 V DC, 0,55 A eller PoE (48 V). 0,16 A. (QND-6072R/6082R, QNV-6072R/6082R)
16. Produkten är avsedd att strömförsörjas av en listad strömkälla märkt ”Klass 2” eller ”LPS” och klassad från 12 V DC, 0,54 A eller PoE (48 V). 0,16 A. (QND-6012R/6022R/6032R, QNV-6012R/6022R/6032R)
17. Produkten är avsedd att strömförsörjas av en listad strömkälla märkt ”Klass 2” eller ”LPS” och klassad från 12 V DC, 0,55 A eller PoE (48 V). 0,16 A. (QNO-6072R/6082R)
18. Produkten är avsedd att strömförsörjas av en listad strömkälla märkt ”Klass 2” eller ”LPS” och klassad från 12 V DC, 0,51 A eller PoE (48 V). 0,15 A. (QNO-6012R/6022R/6032R)
19. Denna produkt är avsedd att strömförsörjas med isolerad ström.
20. Om du använder för mycket kraft vid installation av produkten kan kameran skadas och sluta fungera som den ska. Om du installerar produkten med tvång, med verktyg som inte är godkända, kan produkten skadas.
21. Installera inte produkten på en plats där kemiska ämnen eller oljeångor förekommer eller kan alstras. Eftersom ätbara oljor, såsom sojabönsolja, kan skada eller förvrida produkten, får du inte installera produkten i köket eller nära köksbordet.
    Det kan orsaka skada på produkten.
22. Vid installation av produkten ska du vara försiktig så du inte låter produktens yta fläckas ned av kemiska medel. Vissa kemiska lösningsmedel, såsom rengöringsmedel eller vidhäftningsmedel, kan orsaka allvarlig skada på produktens yta.
23. Om du installerar/demonterar produkten på ett annat sätt än det som rekommenderas kan produktionsfunktionerna/prestandan inte garanteras.
    Installera produkten genom att hänvisa till “Installation & anslutning” i bruksanvisningen.
24. Installation eller användning av produkten i vatten kan orsaka allvarlig skada.
25. Även om en snabb temperaturförändring kan orsaka frost inuti kupolen kommer det inte att påverka videon.

VARNING

FÖR ATT MINSKA RISKEN FÖR BRAND OCH ELEKTRISK KORTSLUTNING SKA DU INTE UTSÄTTA PRODUKTEN FÖR REGN ELLER FUKT. FÖR INTE IN NÅGRA METALLFÖREMÅL I VENTILATIONSGALLREN ELLER I ANDRA ÖPPNINGAR PÅ ENHETEN.

Apparaten får inte utsättas för droppar eller fukt och därför skall inte föremål som innehåller vatten, exempelvis vaser, placeras på apparaten.

Produkten måste fästas på ett säkert sätt i väggen/taket och enligt installationsinstruktionerna, för att förhindra skador.

OBSERVERA



FÖRKLARING AV GRAFISKA SYMBOLER



Blixtsymbolen med pilsymbol, inom en likformig triangel, är avsedd att varna användaren för att det finns ”farlig spänning” inom produktens infattning, som är tillräckligt stark för att utföra en risk för att personer ska utsättas för kortslutning.



Utropstecknet inom en likformad triangel är avsett att informera användaren om att det finns viktiga drifts- och underhållsanvisningar (service) i litteraturen som medföljer produkten.

Klass I konstruktion

En apparat med KLASS I konstruktion ska anslutas till ett jordat EL-uttag.

Batteri

Batterier (löstagbart batteri eller installerat) får inte utsättas för extrem hetta, t.ex. direkt solljus eller eld.

Batteriet kan inte bytas.

Frånkopplingsenhet

Koppla från kontakten från apparaten om den är trasig. Kontakta en reparatör som finns i närheten.

Om du befinner dig utanför USA kan det användas en HAR-kod från en godkänd myndighet som är engagerad i tillbehörsmontering.

OBSERVERA

Explosionsrisk om batteriet ersätts med ej korrekt sort.
Kassera använda batterier enligt instruktionerna.

De här serviceanvisningarna ska bara användas av kvalificerad servicepersonal.
För att minska risken för elektrisk kortslutning ska du inte utföra någon annan service än den som finns i användaranvisningarna om du inte är behörig för det.

Använd ingångsströmmen med bara en kamera och koppla bort alla andra enheter.

ITE ska endast anslutas till PoE-nätverk utan dirigering till den yttre anläggningen.

Läs följande rekommenderade säkerhetsföreskrifter noggrant.

- Placera inte den här apparaten på en ojämn yta.
- Installera inte på en yta där den utsätts för direkt solljus, nära värmeaggregat eller på en mycket kall plats.
- Placera inte den här apparaten i närheten av ledande material.
- Försök inte utföra service på apparaten själv.
- Ställ inte ett glas vatten på produkten.
- Installera inte produkten nära några magnetiska källor.
- Blockera inte ventilationsöppningarna.
- Placera inte tunga föremål på strömsladden.
- Använd skyddshandskar när du monterar/nedmonterar kameran.
  Den höga temperaturen på kamerans yta kan orsaka brännskador.

Bruksanvisningen är en vägledningsbok för hur du använder produkterna.

Användarsymbolerna i boken har följande betydelser.

- Referens : När det gäller att erbjuda information för att fungera som en hjälp för produktanvändning
- Obs : Om det finns någon risk för skador på produkter eller den mänskliga hälsan om anvisningarna inte följs

※ Läs den här manualen av säkerhetsskäl innan du använder produkterna och förvara den på en säker plats.

I vissa installationsmiljöer kan det förekomma störningar i radiokommunikationen.
När störningar av elektromagnetiska vågor uppstår mellan produkten och radiokommunikationsenheten rekommenderar vi att hålla dessa två på visst avstånd eller att rikta mottagarantennen åt ett annat håll.

VARNING

För att förhindra skador orsakade av IR LED, stirra inte på driftslampan.

Endast för nedanstående modeller.

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QNV-6012R/6022R/6032R/6072R/6082R
QNO-6012R/6022R/6032R/6072R/6082R

Riskgrupp 1
VARNING Denna produkt utstrålar IR **Stirra inte på driftslampan.**
Produkten är testad enligt IEC 62471

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PRODUKTEGENSKAPER

- **Damm-/vattenresistent (IP66) (QNV-6012R/6022R/6032R/6072R/6082R, QNO-6012R/6022R/6032R/6072R/6082R)**
  Den damm- och vattenresistenta designen gör att du med enkelt kan installera produkten utomhus eller exponera den för regn.
- **IR-läge**
  Om IR-indikatorn slås på växlar produkten till IR-läge för att förhindra ett objekt från att bli för ljus, vilket hjälper dig identifiera objektet på nära avstånd.
- **Har stöd för videor med upplösning på 2 megapixlar**
- **Multi-Streaming**
  Den här nätverkskameran kan visa videos i olika upplösningar och kvaliteter samtidigt genom att använda olika CODECs.
- **Webbläsarbaserad övervakning**
  Använda Internet-webbläsaren för att visa bilden i en lokal nätverksmiljö.
- **Alarm**
  Då en händelse inträffar skickas antingen en video till den e-postadress som användaren har registrerat, till FTP-servern, sparas på Micro SD-minneskortet eller NAS-enheten, eller så skickas en signal till utgångsterminalen för avisering.
- **Manipuleringslarm**
  Upptäcker manipuleringsförsök på videoövervakning.
- **Funktion för detektering av defokusering**
  Detekterar defokusering i kamerans objektiv.
- **Rörelsedetektering**
  Upptäcker rörelser från kamerans videoingång.
- **Automatisk detektering av frånkopplade nätverk**
  Detekterar nätverksfrånkopplingar innan den utlöser en händelse.
- **ONVIF-efterlevnad**
  Den här produkten stöder ONVIF Profil S&G.
  För mer information, se www.onvif.org.

ONVIF
Driving network video through global standardization

REKOMENDERADE DATORSPECIFIKATIONER

- Processor : Intel(R) Core(TM) i7 3.4 GHz och senare
- RAM : 8G eller högre
- Operativsystem som stöds : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14
- Rekommenderad webbläsare: Google Chrome
- Webbläsare som stöds: MS Explore11, MS Edge, Mozilla Firefox(endast Window 64bitar), Apple Safari(Endast stöd i Mac OS X)
- VGA : PCIe 256 MB GDDR3-grafikkort eller senare

※ Se bilagan för detaljerad information för verifierat OS och godkänd webbläsare.

SPECIFIKATIONER FÖR REKOMMENDERADE MICRO SD/SDHC/SDXC MINNESKORT

- Rekommenderad kapacitet : 16GB till 128GB (MLC-typ)
- Rekommenderade tillverkare : SanDisk, Transcend
- Produkttyp : Hög hållbarhet
- Kompatibiliteten varierar beroende på korttillverkarna och typerna.

REKOMMENDERADE SPECIFIKATIONER FÖR NAS

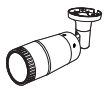
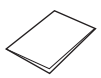
- Rekommenderad kapacitet : 200 GB eller mer rekommenderas.
- Samtidig åtkomst : En NAS-enhet kan acceptera anslutning av maximalt sexton kameror.
- För den här kameran rekommenderas användning av en NAS-enhet med följande tillverkarspecifikationer.

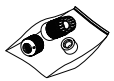
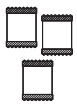
Rekommenderade produkter	Tillgängliga storlekar
QNAP NAS	Maximalt 16 kameror kan anslutas samtidigt.
Synology NAS-enhet	Maximalt 16 kameror kan anslutas samtidigt.

▪ Om du använder NAS-utrustningen för andra ändamål än videosparning kan antalet kameror som kan anslutas minskas.

VAD INGAR

Kontrollera om kameran och tillbehören är inkluderade i produktförpackningen.
(Tillbehören kan variera med land.)

Utseende	Artikelnamn	Kvantitet	Beskrivning	Modellnamn
	Kamera	1		QND-6012R/6022R/ 6032R/6072R/6082R
		1		QNO-6012R/6022R/ 6032R/6072R/6082R
		1		QNV-6012R/6022R/ 6032R/6072R/6082R
	Snabbguide (tillval)	1		QND-6012R/6022R/ 6032R/6072R/6082R, QNV-6012R/6022R/ 6032R/6072R/6082R, QNO-6012R/6022R/ 6032R/6072R/6082R
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	Mall	1	Produktinstallationsguide	QND-6012R/6022R/ 6032R/6072R/6082R, QNV-6012R/6022R/ 6032R/6072R/6082R, QNO-6012R/6022R/ 6032R/6072R/6082R
	Strömterminalblock	1	Anslutit strömkontakten	QND-6012R/6022R/ 6032R/6072R/6082R, QNV-6012R/6022R/ 6032R/6072R/6082R
	Sexkantsnyckel	1	Använda för att styra kamerans riktning	QNO-6012R/6022R/ 6032R/6072R/6082R

Utseende	Artikelnamn	Kvantitet	Beskrivning	Modellnamn
	L-nyckel (stjärnformad)	1	Används för att ta bort och sätta tillbaka kupolhöljet	QNV-6012R/6022R/ 6032R/6072R/6082R
	Larmkabel	1	Används vid anslutning till larm	QND-6012R/6022R/ 6032R/6072R/6082R
	RJ45 vattentätt tillbehör	1	Används för installation på fuktiga platser	QNO-6012R/6022R/ 6032R/6072R/6082R
	Solskydd	1	Det skyddar kameran mot direkt solljus.	QNO-6012R/6022R/ 6032R/6072R/6082R
	Solskyddshållare	1	Håller fast solskyddet på kameran.	QNO-6012R/6022R/ 6032R/6072R/6082R
	Korttyp med fuktabsorbering	3	Inkopplad när installerad.	QNO-6012R/6022R/ 6032R/6072R/6082R
		1		QNV-6012R/6022R/ 6032R/6072R/6082R
	Strömkabel	1	Används för att ansluta till strömporten	QNV-6012R/6022R/ 6032R/6072R/6082R
	Ljud-/larmkabel	1	Används för att ansluta till ljud- och larmporten	QNV-6012R/6022R/ 6032R/6072R/6082R
	Kabel för skärmtestning	1	Used to test the camera conneAnvänds för att testa kameraanslutningen för en bärbar skärmction to a portable display device	QND-6012R/6022R/ 6032R/6072R/6082R, QNV-6012R/6022R/ 6032R/6072R/6082R, QNO-6012R/6022R/ 6032R/6072R/6082R

Utseende	Artikelnamn	Kvantitet	Beskrivning	Modellnamn
	Kabelnav	1	Används för att ansluta LAN-kabeln.	QNV-6012R/6022R/ 6032R/6072R/6082R
	Lockmontering	1	Används vid anslutning med RJ45-kabel	QNV-6012R/6022R/ 6032R/6072R/6082R

Tillbehör för installation

För enklare installation kan du köpa lämpliga tillbehör som finns tillgängliga.

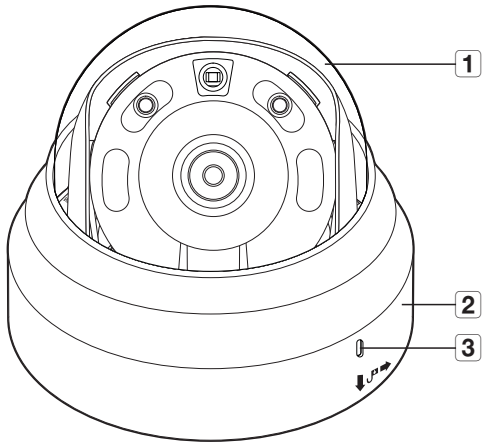




Modellnamn	Hängande montering	Bakdosa	Stångmontering	Alla
QNV-6012R/6022R/6032R	SBP-122HMW	SBV-120GW		SBP-300LMW (Räckmontering)
QNV-6072R/6082R	SBP-301HMW2	SBV-136BW		SBP-300CMW (Takmontering)
QND-6012R/6022R/6032R	SBP-300HMW7			SBP-300WMW1 (Väggmontering)
QND-6072R/6082R	SBP-122HMW			SBP-300NBW (Installationsdosa)
QNO-6012R/6022R/ 6032R/6072R/6082R		SBO-100B1	SBP-302PM	SBP-300PMW (Stångmontering)
				SBP-300KMW (Hörnmontering)

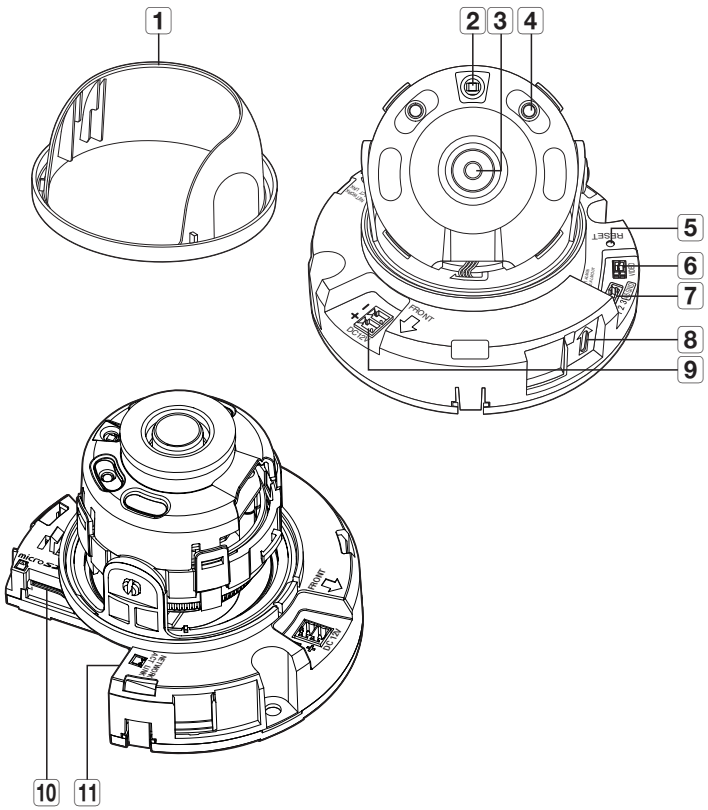
ÖVERGRIPANDE ÖVERSIKT (QND-6012R/6022R/6032R)

Utseende



Post	Beskrivning
1 Kupolskydd	Höljeskydd som används för att skydda objektivet och huvudenheten.
2 Kamerahölje	Kåpa som täcker kamerahuset.
3 Uttag för mikrofon	Mikrofonen är inbyggd.

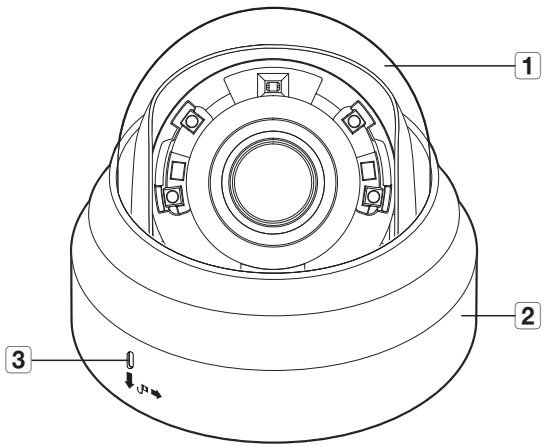
Komponenter



Post	Beskrivning	
1 Hölje på insidan	Skyddshölje för huvudenheten.	
2 Ljussensor	Detekterar inkommande ljus för att kontrollera IR-LED.	
3 Objektiv	Kameraobjektiv.	
4 IR-LED	Dessa infraröda LED-lampor kontrolleras av ljussensorn.	
5 Återställningsknapp	Knappen återställer alla kamerainställningar till fabriksstandardinställningar. Håll nedtryckt i 5 sekunder för att starta om systemet. ! Om du återställer kameran justeras nätverksinställningarna så att DHCP kan aktiveras. Om det inte finns någon DHCP-server i nätverket, måste du köra programmet Device Manager för att ändra de grundläggande nätverksinställningarna som IP-adress, Subnätsmask, Gateway, osv. innan du kan ansluta till nätverket.	
6 Utgående skärmtest	Utgående port för testövervakning av videoutgång. Använd testmonitorkabeln för att ansluta till en mobil display och kontrollera testvideon.	
7 Alarm I/O-port	ARM-IN	Används för att ansluta sensorn för larmingång eller den externa dag/natt-sensorn.
	ARM-OUT	Används för att ansluta utgående alarmsignal.
	GND	Dessa är gemensamma portar för anslutning av alarmingångs-/utgångssignaler.
8 Uttag för mikrofon	Mikrofonen är inbyggd.	
9 Strömport	Port för strömterminalblock.	
10 Micro SD-minneskortsplats	Fack för Micro SD-minneskort.	
11 Nätverksport	Används för att ansluta PoE- eller Ethernet-kabeln för nätverksanslutning.	

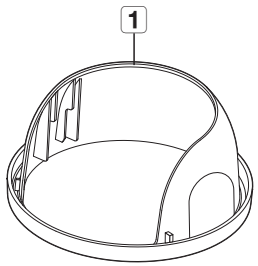
ÖVERGRIPANDE ÖVERSIKT (QND-6072R/6082R)

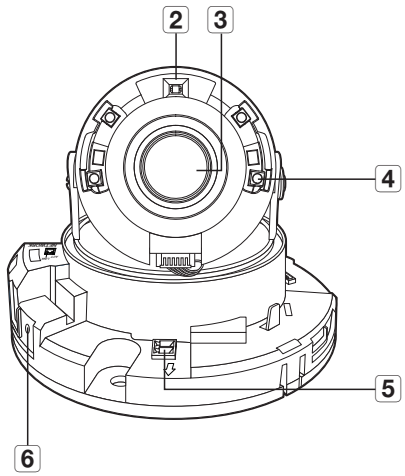
Utseende

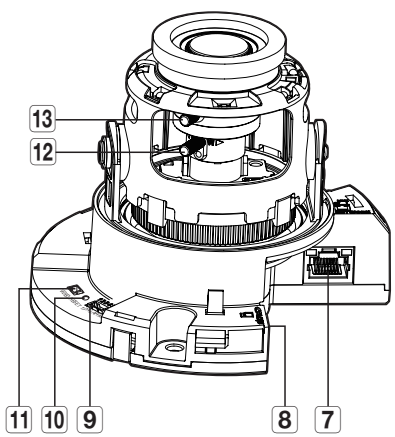


Post	Beskrivning
1 Kupolskydd	Höljeskydd som används för att skydda objektivet och huvudenheten.
2 Kamerahölje	Kåpa som täcker kamerahuset.
3 Uttag för mikrofon	Mikrofonen är inbyggd.

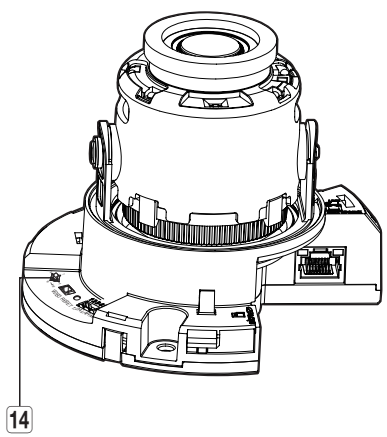
Komponenter







<QND-6072R>



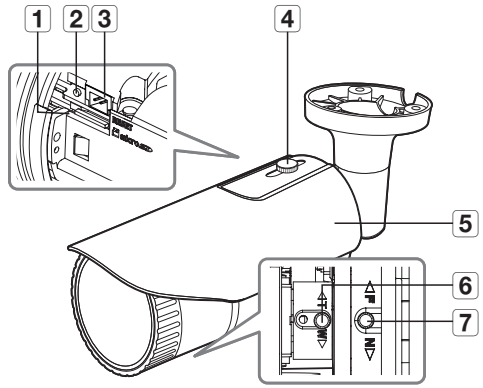
<QND-6082R>

Post	Beskrivning	
1 Hölje på insidan	Skyddshölje för huvudenheten.	
2 Ljussensor	Detekterar inkommande ljus för att kontrollera IR-LED.	
3 Objektiv	Kameraobjektiv.	
4 IR-LED	Dessa infraröda LED-lampor kontrolleras av ljussensorn.	
5 Strömport	Port för strömterminalblock.	
6 Uttag för mikrofon	Mikrofonen är inbyggd.	
7 Nätverksport	Används för att ansluta PoE- eller Ethernet-kabeln för nätverksanslutning.	
8 Micro SD-minneskortsplats	Fack för Micro SD-minneskort.	
9 Alarm I/O-port	ARM-IN	Används för att ansluta sensorn för larmingång eller den externa dag/natt-sensorn.
	ARM-OUT	Används för att ansluta utgående alarmsignal.
	GND	Dessa är gemensamma portar för anslutning av alarmingångs-/utgångssignaler.
10 Återställningsknapp	Knappen återställer alla kamerainställningar till fabriksstandardinställningar. Håll nedtryckt i 5 sekunder för att starta om systemet. ! Om du återställer kameran justeras nätverksinställningarna så att DHCP kan aktiveras. Om det inte finns någon DHCP-server i nätverket, måste du köra programmet Device Manager för att ändra de grundläggande nätverksinställningarna som IP-adress, Subnätsmask, Gateway, osv. innan du kan ansluta till nätverket.	

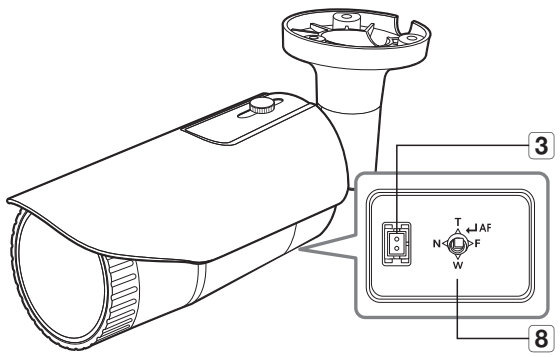
Post	Beskrivning	
11 Utgående skärmtest (QND-6072R)	Utgående port för testövervakning av videoutgång. Använd testmonitorkabeln för att ansluta till en mobil display och kontrollera testvideon.	
12 Zoomkontrollspak (QND-6072R)	T	Zooma in (Tele)
	W	Zooma ut (Större synfält)
	Lossa spaken och flytta den åt vänster eller höger för att zooma in eller ut med linsen. Vrid spaken medurs för att fixera den inställda positionen och förhindra att den flyttas.	
13 Fokuskontrollspak (QND-6082R)	N	Fokusera på ett nära objekt (Nära)
	F	Fokusera på avlägset objekt (Fjärran)
	Lossa spaken och flytta den åt vänster eller höger för att fokusera. Vrid spaken medurs för att fixera den inställda positionen och förhindra att den flyttas.	
14 Kontrollknapp för Zoom/Fokus	T	Zooma in (Tele)
	W	Zooma ut (Större synfält)
	N	Fokusera på ett nära objekt (Nära)
	F	Fokusera på avlägset objekt (Fjärran)
	Fokuskontroll	Tryck ner den här knappen för automatisk fokuskontroll.

ÖVERGRIPANDE ÖVERSIKT (QNO-6012R/6022R/6032R/6072R/6082R)

Utseende



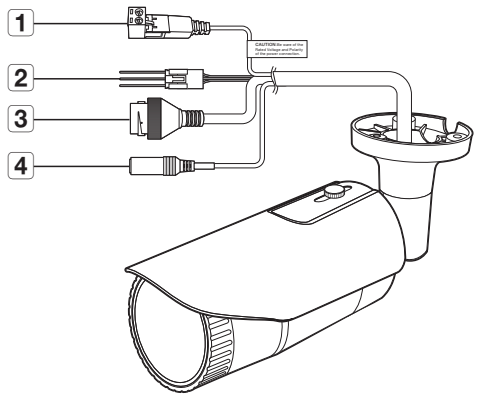
<QNO-6072R>



<QNO-6082R>

Post		Beskrivning	
1	Micro SD-kortplats	(Invändigt utrymme i produkten) Det här är ett fack där du kan sätta i Micro SD-kortet.	
2	Återställningsknapp	Knappen återställer alla kamerainställningar till fabriksstandardinställningar. Håll nedtryckt i 5 sekunder för att starta om systemet. ! Om du återställer kameran justeras nätverksinställningarna så att DHCP kan aktiveras. Om det inte finns någon DHCP-server i nätverket, måste du köra programmet Device Manager för att ändra de grundläggande nätverksinställningarna som IP-adress, Subnätsmask, Gateway, osv. innan du kan ansluta till nätverket.	
3	Utgående skärmtest	Utgående port för testövervakning av videoutgång. Använd testmonitorkabeln för att ansluta till en mobil display och kontrollera testvideon.	
4	Solskyddshållare	Håller fast solskyddet på kameran.	
5	Solskydd	Det skyddar kameran mot direkt solljus.	
6	Zoomkontrollspak (QNO-6072R)	T	Zooma in (Tele)
		W	Zooma ut (Större synfält)
		Lossa spaken och flytta den åt vänster eller höger för att zooma in eller ut med linsen. Vrid spaken medurs för att fixera den inställda positionen och förhindra att den flyttas.	
7	Fokuskontrollspak (QNO-6072R)	N	Fokusera på ett nära objekt (Nära)
		F	Fokusera på avlägset objekt (Fjärran)
		Lossa spaken och flytta den åt vänster eller höger för att fokusera. Vrid spaken medurs för att fixera den inställda positionen och förhindra att den flyttas.	
8	Kontrollknapp för Zoom/ Fokus (QNO-6082R)	T	Zooma in (Tele)
		W	Zooma ut (Större synfält)
		N	Fokusera på ett nära objekt (Nära)
		F	Fokusera på avlägset objekt (Fjärran)
		Fokuskontroll	Tryck ner den här knappen för automatisk fokuskontroll.

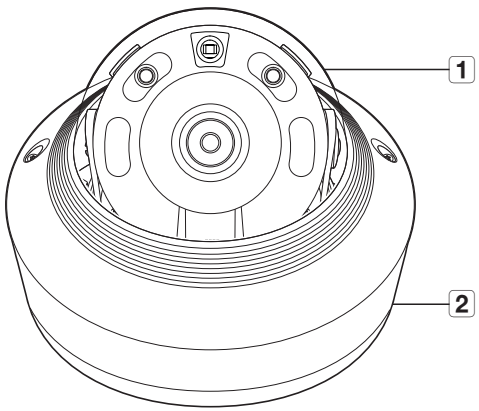
Komponenter



Post	Beskrivning	
1 Strömport	Används för att koppla in strömkabeln.	
2 Alarm I/O-port	ARM-OUT	Används för att ansluta utgående alarmsignal.
	GND	Dessa är gemensamma portar för anslutning av alarmingångs-/ utgångssignaler.
	ARM-IN	Används för att ansluta sensorn för larmingång eller den externa dag/natt-sensorn.
3 Nätverksport	Används för att ansluta PoE- eller Ethernet-kabeln för nätverksanslutning.	
4 Audio in-uttag	Används för anslutning till en mikrofon.	

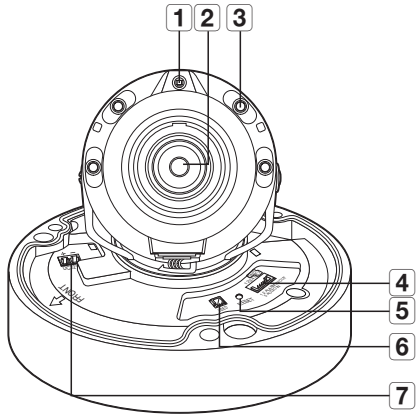
ÖVERGRIPANDE ÖVERSIKT (QNV-6012R/6022R/6032R/6072R/6082R)

Utseende

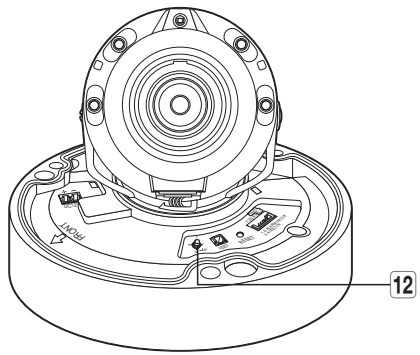


Post	Beskrivning
1 Kupolskydd	Höljeskydd som används för att skydda objektivet och huvudenheten.
2 Kamerahölje	Kåpa som täcker kamerahuset.

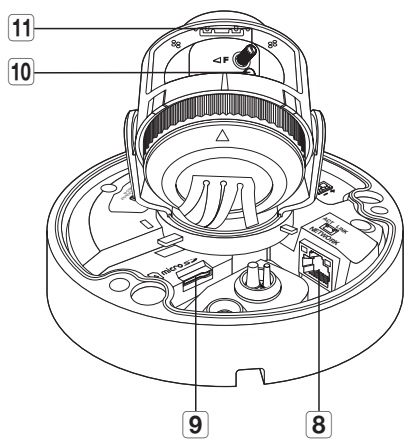
Komponenter



<QNV-6072R>



<QNV-6082R>



<QNV-6072R>

Post	Beskrivning	
1 Ljussensor	Detekterar inkommande ljus för att kontrollera IR-LED.	
2 Objektiv	Kameraobjektiv.	
3 IR-LED	Dessa infraröda LED-lampor kontrolleras av ljussensorn.	
4 Ljud- och larmkabelport	ARM-IN	Används för att ansluta sensorn för larmingång eller den externa dag/natt-sensorn.
	ARM-OUT	Används för att ansluta utgående alarmsignal.
	GND	Dessa är gemensamma portar för anslutning av alarmingångs-/utgångssignaler.
	AUDIO IN	Används för anslutning till en mikrofon.
5 Återställningsknapp	Knappen återställer alla kamerainställningar till fabriksstandardinställningar. Håll nedtryckt i 5 sekunder för att starta om systemet. ! Om du återställer kameran justeras nätverksinställningarna så att DHCP kan aktiveras. Om det inte finns någon DHCP-server i nätverket, måste du köra programmet Device Manager för att ändra de grundläggande nätverksinställningarna som IP-adress, Subnätsmask, Gateway, osv. innan du kan ansluta till nätverket.	
6 Utgående skärmtest	Utgående port för testövervakning av videoutgång. Använd testmonitorkabeln för att ansluta till en mobil display och kontrollera testvideon.	
7 Strömport	Port för strömterminalblock.	
8 Nätverksport	Används för att ansluta PoE- eller Ethernet-kabeln för nätverksanslutning.	
9 Micro SD-minneskortsplats	Fack för Micro SD-minneskort.	
10 Zoomkontrollspak (QNV-6072R)	T	Zooma in (Tele)
	W	Zooma ut (Större synfält)
	Lossa spaken och flytta den åt vänster eller höger för att zooma in eller ut med linsen. Vrid spaken medurs för att fixera den inställda positionen och förhindra att den flyttas.	
11 Fokuskontrollspak (QNV-6072R)	N	Fokusera på ett nära objekt (Nära)
	F	Fokusera på avlägset objekt (Fjärran)
	Lossa spaken och flytta den åt vänster eller höger för att fokusera. Vrid spaken medurs för att fixera den inställda positionen och förhindra att den flyttas.	

Post	Beskrivning	
12 Kontrollknapp för Zoom/Fokus (QNO-6082R)	T	Zooma in (Tele)
	W	Zooma ut (Större synfält)
	N	Fokusera på ett nära objekt (Nära)
	F	Fokusera på avlägset objekt (Fjärran)
	Fokuskontroll	Tryck ner den här knappen för automatisk fokuskontroll.

INSTALLATION (QND-6012R/6022R/6032R/6072R/6082R)

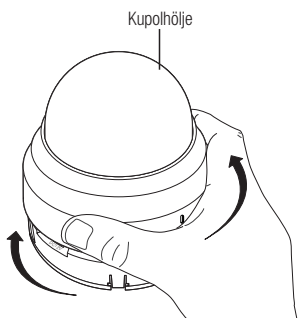
Föreskrifter före installation

Se till att läsa följande anvisningar innan du installerar kameran:

- Den måste monteras på en plats (innertak eller vägg) som tål en vikt fem gånger tyngre än kameran inklusive monteringskonsolen.
- Instuckna eller avskalade kablar kan orsaka skada på produkten eller brandrisk.
- Av säkerhetsskäl ska du hålla alla borta från installationsplatsen.
  Plocka även för säkerhets skull bort personliga tillhörigheter från platsen.

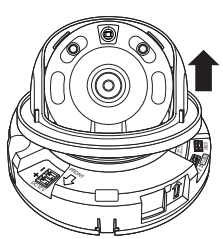
Demontera

1. Håll i kamerans nedre del med ena handen och vrid skyddet motsols med andra handen för att lossa det.



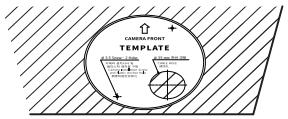
- Vidrör inte den genomskinliga delen av kupolskyddet efter att den skyddande filmen har avlägsnats.

2. Lyft upp det inre skyddet för att ta bort det.

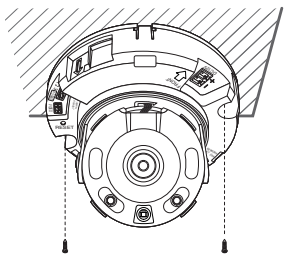


Installation

1. Kontrollera riktningen som ska övervakas, montera mallen och borra hål efter mallen.

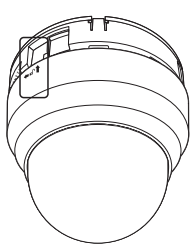


2. Använd 2 plåtskruvar för att fästa kameran via de 2 hålen som har borrats med en mall.
   - Rikta kameran så att texten < ⇧ > på kameran är vänd mot övervakningsområdet.
3. Anslut kamerans interna terminal till motsvarande kabel.
4. Ställ in objektivet i önskad riktning enligt avsnittet “**Justera monteringsriktningen för kameran**”. (sidan 23)

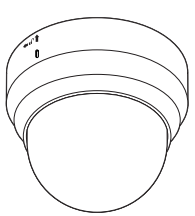


- Vi avråder från att ta på linsen eftersom kameraobjektivet har fått sitt fokus noggrannt inställt under det sista steget i tillverkningsprocessen. Om du gör det kan objektivet bli ofokuserat eller få smutsfläckar.

5. Anslut det inre höljet till huvudenheten.
6. Fatta tag i kamerans undersida och skjut höljet med den andra handen tills pilarna hamnar mitt emot varandra, som på bilden.



- Montera kupolkåpan genom att justera pilarna så att de möts och tryck sedan ned kåpan med ett stadigt tryck.
  Om kupolskyddet roteras under monteringen eller om det monteras felaktigt kan diffus reflexion uppstå, eller så kan objektivdelen rotera vilket kommer att ändra fotograferingsräckvidden.
- Kontrollera att kupolen är korrekt fastsatt i kamerans botten enligt bilden.
  Om den inte har tryckts dit korrekt kan kupolen falla och orsaka skador.



INSTALLATION (QNO-6012R/6022R/6032R/6072R/6082R)

▪ Den här kameran är vattentät och uppfyller IP66-specifikationerna, men uttaget anslutet till den externa kabeln gör det inte. Vi rekommenderar att du installerar den här produkten under kanten på takskägget för att förhindra att kabeln utsätts för väder och vind.

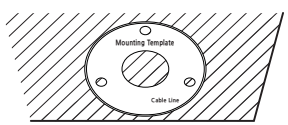
Föreskrifter före installation

Se till att läsa följande anvisningar innan du installerar kameran:

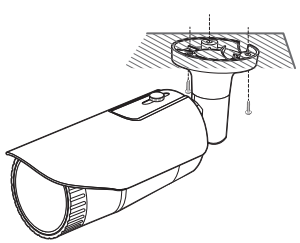
- Den måste monteras på en plats (innertak eller vägg) som tål en vikt fem gånger tyngre än kameran inklusive monteringskonsolen.
- Instuckna eller avskalade kablar kan orsaka skada på produkten eller brandrisk.
- Av säkerhetsskäl ska du hålla alla borta från installationsplatsen.
  Plocka även för säkerhets skull bort personliga tillhörigheter från platsen.
- Använd inte solskyddshlet i något annat syfte än att ansluta solskyddet.
- För manuell, steglös justering av brännvidden för kameralinsen, ska funktioner, såsom fokus och zoom ställas in före installationen.
  När du justerar dessa funktioner ska du se till att förhindra att främmande ämnen tränger in.

Installation

1. Kontrollera riktningen som ska övervakas, montera mallen och borra hål efter mallen.

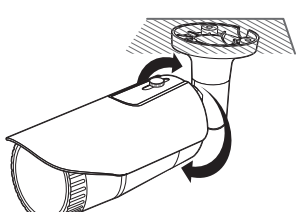


2. Sätt in och spänn åt 3 plåtskruvar i de tre hålen för att säkra kameran.
3. Anslut lämpliga kablar med kameraterminalerna.



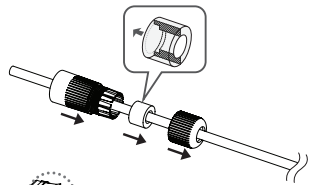
4. Justera kamerariktningen med den medföljande L-nyckeln.

▪ När du justerar kamerapositionen med ett fäste ska du lossa skruven för fästet, justera kameran och spänna skruven. Om du försöker justera den med tvång när skruven sitter spänt, kan det orsaka repor och andra skador.

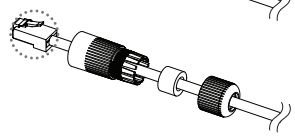


Så här ansluter du den vattentäta RJ45-kabeln till en LAN-kabel

1. För in den i pilens riktning.

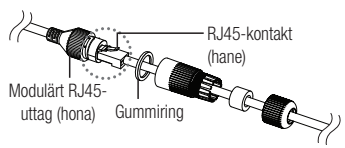


2. Anslut LAN-kontakten (hane) till kabeln.

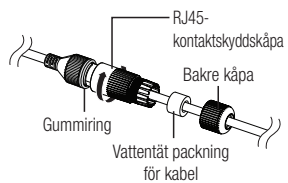


3. Anslut det modulära RJ45-uttaget (hona) till RJ45-kontakten (hane).

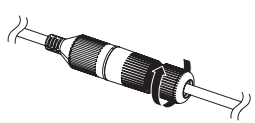
▪ Håll delarna separerade.



4. Montera genom att rotera det modulära RJ45-uttaget (hona) och RJ45-kåpan moturs (i pilens riktning).



5. Montera genom att rotera RJ45-kåpan och bakre kåpan moturs (i pilens riktning).
   När bakre kåpan är monterad är kabelns vattentäta packning monterad i kabeln för att göra den vattentät.

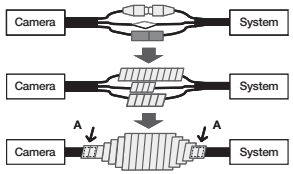


▪ Du måste montera den helt för att rotera bakre kåpan upp till slutet av skruvgängan på RJ45-kontakten.

Utomhusinstallation

När du installerar den utanför byggnaden, gör den vattentät med vattentät butylgummitejp (finns att köpa i handeln) så att vatten inte läcker från hålet där kabeln är ansluten till utsidan.

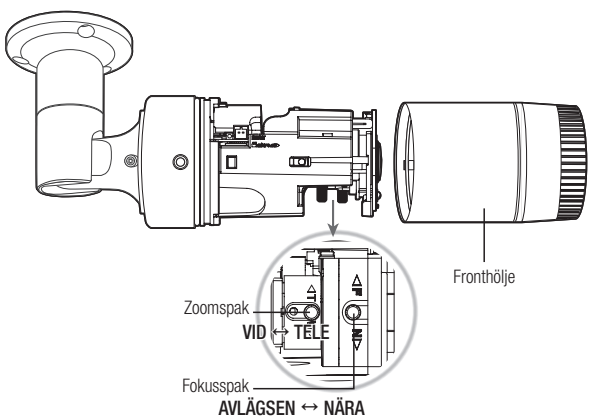
1. Anslut kablarna för ström, I/O, Ljud och LAN.
2. Vira vattentät (butylgummi-) tejp runt den svarta kabelmanteln (Område A) och kabelanslutningsområdet så att mer än hälften av tejpen överlappar lagret under.



- Om kabelmanteln inte är riktigt vattentät kan det uppstå direkt läckage. Se till att skydda kabeln med ett tjockt lager av tejp.
- Vattentät butyltejp är tillverkad av butylgummi som kan sträckas ut till dubbla längden.

Justera Zoomfaktorn Eller -fokus (QNO-6072R)

1. Lossa främre kåpan så som visas.
2. Lossa zoom-/fokusspaken något.
3. Ställ zoom/fokusspaken till VID (NÄRA) eller TELE (AVLÄGSEN) enligt önskan.
4. Dra åt zoom-/fokusspaken för att fixera den justerade positionen.
5. Vrid främre kåpan för att dra åt den.



- Dra åt främre kåpan helt genom att vrida den till slutet för att försäkra sömlös vattentäthet. När du kombinerar främre kåpan kombinerar du huvudenheten och främre kåpan, så att LÅS-indikatorn har låsts.
- Använd spaken för att justera zoomfaktorn eller -fokus och vrid spaken medurs för att fixera den.
- Innan du kan justera linsens zoomfaktor/-fokus måste du lossa och ta bort främre kåpan.

INSTALLATION (QNV-6012R/6022R/6032R)

- Den här kameran är vattentät och uppfyller IP66-specifikationerna, men uttaget anslutet till den externa kabeln gör det inte. Vi rekommenderar att du installerar den här produkten under kanten på takskägget för att förhindra att kabeln utsätts för väder och vind.

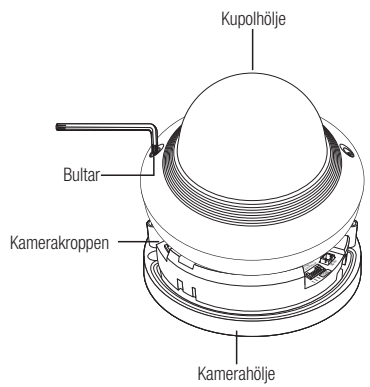
Föreskrifter före installation

Se till att läsa följande anvisningar innan du installerar kameran:

- Den måste monteras på en plats (innertak eller vägg) som tål en vikt fem gånger tyngre än kameran inklusive monteringskonsolen.
- Instuckna eller avskalade kablar kan orsaka skada på produkten eller brandrisk.
- Av säkerhetsskäl ska du hålla alla borta från installationsplatsen. Plocka även för säkerhets skull bort personliga tillhörigheter från platsen.

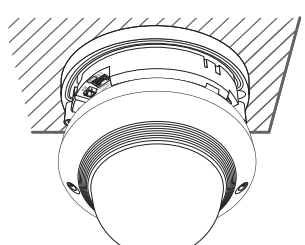
Demontera

1. Vrid de 2 fästbultarna medurs på kupolen med hjälp av den medföljande sexkantnyckeln när du vill ta bort plattan.



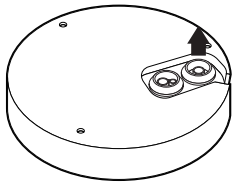
Installation

1. Använd den medföljande mallen som tillbehör, borra skruvmonteringshålet (diameter på 6 mm, minimalt djup på 55 mm) och för in plastförankringen som medföljer i änden.
2. Passa undersidans hål med plugghålet och sätt in och fixera skruven (M4.5xL50).
3. Anslut och ordna nödvändiga kablar så att de inte skadas eller vrids medan kameran installeras.
4. Ställ in objektivet i önskad riktning enligt avsnittet “**Justera monteringsriktningen för kameran**”. (sidan 23)
5. Stäng kupolhöljet.
   - Använd sexkantnyckeln för att skruva fast bultarna ordentligt så att vatten inte läcker in.



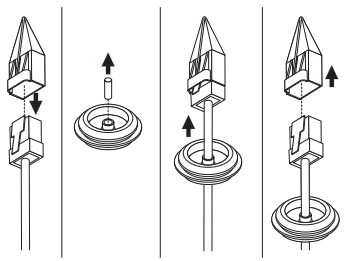
Ansluta LAN-kabeln

1. Ta bort kupolhöljet och lådan.
2. Dra av kabelbussningen i botten enligt bilden.

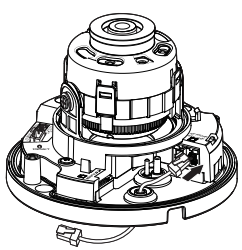


- Använd ett lämpligt kabelnav för att ansluta LAN-kabeln.
  - Grundkamera : Använd kabeln med en diameter på Ø5~6.5.

3. Dra av den extruderande delen från bussningen med 1 hål som medföljer.
4. Använd spetshuvudet för att föra LAN-kabeln genom kabelbussningen.

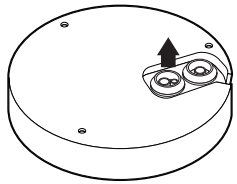


5. Dra LAN-kabeln genom hålet som skapades efter du avlägsnade kabelbussningen i steg 2 och anslut den sedan till ethernet-terminalen.
6. För in LAN-kabelns bussning i hålet.

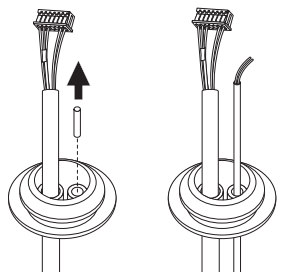


Ansluta ljud-/larmkabeln och strömkabeln

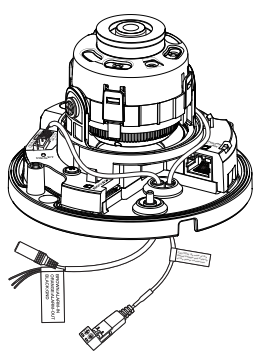
1. Ta bort kupolhöljet och lådan.
2. Dra av kabelbussningen i botten enligt bilden.



3. Dra av den lilla extruderande delen av bussningen för larm-/ljudkabeln och dra strömkabeln genom bussningen.



4. Dra larm-/ljudkabeln genom hålet som bildades efter att ha avlägsnat kabelbussningen i steg 2. Anslut vardera till larm-/ljudterminalen respektive strömterminalblocket för PCB.
5. Vid montering av kameran, häng kablarna på den fasta kroken för att undvika att kablarna skadas eller kläms.
6. För in bussningen för larm-/ljudkablarna i hålet.
7. Ställ in objektivet i önskad riktning enligt avsnittet “**Justera monteringsriktningen för kameran**”. (sidan 23)
8. Fäst kupolhöljet.



INSTALLATION (QNV-6072R/6082R)

- Den här kameran är vattentät och uppfyller IP66-specifikationerna, men uttaget anslutet till den externa kabeln gör det inte. Vi rekommenderar att du installerar den här produkten under kanten på takskägget för att förhindra att kabeln utsätts för väder och vind.

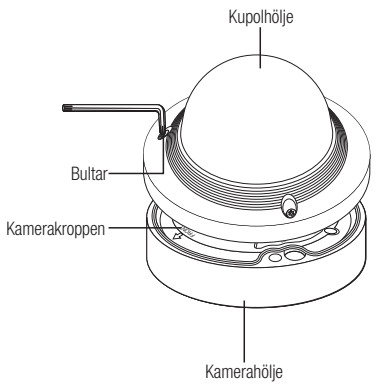
Föreskrifter före installation

Se till att läsa följande anvisningar innan du installerar kameran:

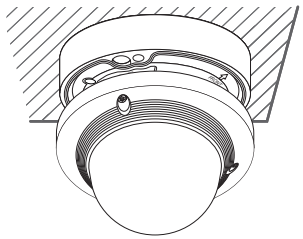
- Den måste monteras på en plats (innertak eller vägg) som tål en vikt fem gånger tyngre än kameran inklusive monteringskonsolen.
- Instuckna eller avskalade kablar kan orsaka skada på produkten eller brandrisk.
- Av säkerhetsskäl ska du hålla alla borta från installationsplatsen.
  Plocka även för säkerhets skull bort personliga tillhörigheter från platsen.
- För manuell, steglös justering av brännvidden för kameralinsen, ska funktioner, såsom fokus och zoom ställas in före installationen.
  När du justerar dessa funktioner ska du se till att förhindra att främmande ämnen tränger in.

Demontera

1. Vrid de 3 fästbultarna medurs på kupolen med hjälp av den medföljande sexkantnyckeln när du vill ta bort plattan.



Installation



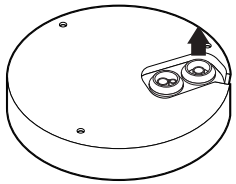
1. Använd den medföljande mallen som tillbehör, borra skruvmonteringshålet (diameter på 6 mm, minimalt djup på 55 mm) och för in plastförankringen som medföljer i änden.
2. Passa undersidans hål med plugghålet och sätt in och fixera skruven (M4.5xL50).
3. Anslut och ordna nödvändiga kablar så att de inte skadas eller vrids medan kameran installeras.
4. Ställ in objektivet i önskad riktning enligt avsnittet “**Justera monteringsriktningen för kameran**”. (sidan 23)

- För manuell, steglös justering av brännvidden för kameralinsen, ska funktioner, såsom fokus och zoom ställas in före installationen.
  När du justerar dessa funktioner ska du se till att förhindra att främmande ämnen tränger in.

5. Stäng kupolhöljet.
   - Använd sexkantnyckeln för att skruva fast bultarna ordentligt så att vatten inte läcker in.

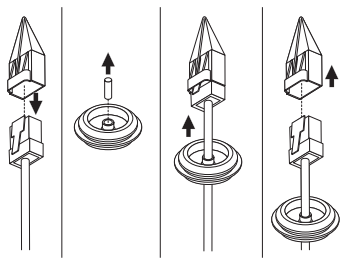
Ansluta LAN-kabeln

1. Ta bort kupolhöljet och lådan.
2. Dra av kabelbussningen i botten enligt bilden.

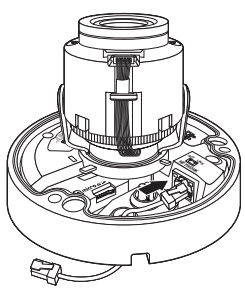


- Använd ett lämpligt kabelnav för att ansluta LAN-kabeln.
  - Grundkamera : Använd kabeln med en diameter på Ø5~6.5.

3. Dra av den extruderande delen från bussningen med 1 hål som medföljer.
4. Använd spetshuvudet för att föra LAN-kabeln genom kabelbussningen.

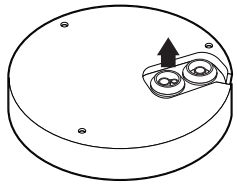


5. Dra LAN-kabeln genom hålet som skapades efter du avlägsnade kabelbussningen i steg 2 och anslut den sedan till ethernet-terminalen.
6. För in LAN-kabelns bussning i hålet.

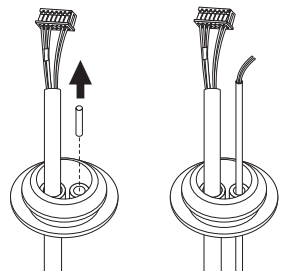


Ansluta ljud-/larmkabeln och strömkabeln

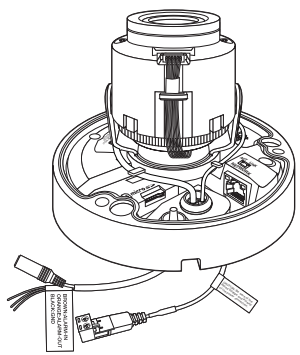
1. Ta bort kupolhöljet och lådan.
2. Dra av kabelbussningen i botten enligt bilden.



3. Dra av den lilla extruderande delen av bussningen för larm-/ljudkabeln och dra strömkabeln genom bussningen.



4. Dra larm-/ljudkabeln genom hålet som bildades efter att ha avlägsnat kabelbussningen i steg 2. Anslut vardera till larm-/ljudterminalen respektive strömterminalblocket för PCB.
5. Vid montering av kameran, häng kablarna på den fasta kroken för att undvika att kablarna skadas eller kläms.
6. För in bussningen för larm-/ljudkablarna i hålet.
7. Ställ in objektivet i önskad riktning enligt avsnittet “**Justera monteringsriktningen för kameran**”. (sidan 23)
8. Fäst kupolhöljet.



Montera till den ej medföljande adaptern

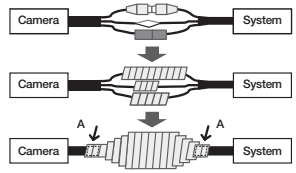
Välj och köp ett av de följande, nödvändiga alternativen (medföljer ej) som passar installationsplatsen eller för din bekvämlighet.

1. Ta bort kupolhöljet från lådan enligt anvisningarna i sektionen “**Demontera**”. (sidan 20)
2. Använd maskinskruven för att fästa kamerahöljet vid den åtskilda adaptern.
3. Anslut och ordna nödvändiga kablar så att de inte skadas eller vrids medan kameran installeras.
4. Installera kamerakroppen i omvänd ordning av “**Demontera**”.
5. Ställ in objektivet i önskad riktning enligt avsnittet “**Justera monteringsriktningen för kameran**”. (sidan 23)
6. Stäng kupolhöljet.
   - Använd sexkantnyckeln för att skruva fast bultarna ordentligt så att vatten inte läcker in.

Utomhusinstallation

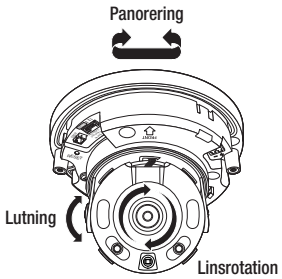
När du installerar den utanför byggnaden, gör den vattentät med vattentät butylgummitejp (finns att köpa i handeln) så att vatten inte läcker från hålet där kabeln är ansluten till utsidan.

1. Anslut kablarna för ström, I/O, Ljud och LAN.
2. Vira vattentät (butylgummi-) tejp runt den svarta kabelmanteln (Område A) och kabelanslutningsområdet så att mer än hälften av tejpen överlappar lagret under.



- Om kabelmanteln inte är riktigt vattentät kan det uppstå direkt läckage. Se till att skydda kabeln med ett tjockt lager av tejp.
- Vattentät butyltejp är tillverkad av butylgummi som kan sträckas ut till dubbla längden.

Justera monteringsriktningen för kameran (QND-6012R/6022R/6032R/6072R/6082R, QNV-6012R/6022R/6032R/6072R/6082R)



▪ **Justera övervakningsriktning**

Du kan endast ställa in kamerariktningen när kameran är fixerad till taket.
Att rotera kameraenheten till vänster eller höger kallas Panorering, ställa in lutningen kallas Lutning och vrida objektivet runt sin egen axel kallas Rotera.

- Det effektiva panoreringsintervallet är totalt 350 grader.
- Det effektiva rotationsintervallet är totalt 355 grader.
- Det effektiva lutningsintervallet är totalt 67 grader.

- Bilden kan eventuellt täckas över av kameralådan beroende på vinkeln.
- Vrid inte fokus-/zoomlinsen med våld efter att kupollådan har monterats bort. Annars kan det orsaka felaktig fokus på grund av ett motorfel.

▪ **Justeringsmetoder**

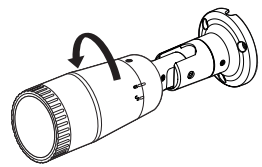
1. Efter att kameran har installerats ska du ställa in panoreringsvinkeln enligt övervakningsriktningen.
2. Ställ in den horisontella vinkeln så att bilden inte blir omvänd.
3. Ställ in lutningsvinkeln så att kameran tittar mot övervakningsobjektet.

MATA IN/MATA UT MICRO SD-MINNESKORT

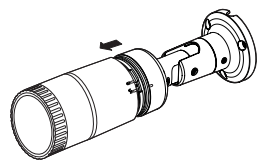
- Koppla från strömkabeln från kameran innan du matar in Micro SD-minneskortet.
- För inte in Micro SD-minneskortet upp och ned med tvång. Annars kan du skada SD-minneskortet.
- När det regnar eller om luftfuktigheten är hög rekommenderar vi inte att du matar in eller ut Micro SD-kortet.
- Demontering av produktkåpan ska slutföras inom 5 minuter, annars finns det risk för invändig kondens.

Mata in ett Micro SD-minneskort (QNO-6012R/6022R/6032R/6072R/6082R)

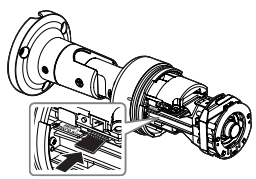
1. Vrid framsideshöljet till LÅS UPP [ ].

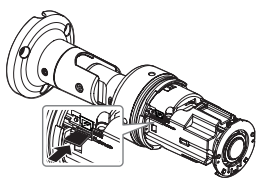


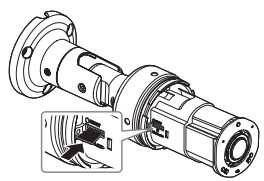
2. Dra ut och dela på främre kåpan.



3. Mata in ett Micro SD-kort i pilens riktning så som visas på bilden.

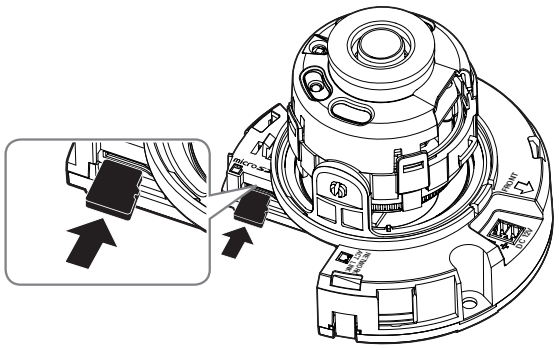

<QNO-6012R/6022R/6032R>


<QNO-6072R>

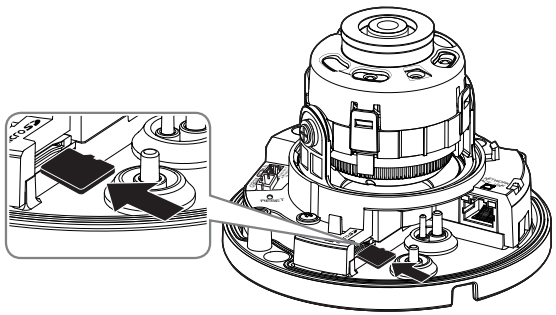

<QNO-6082R>

Mata in ett Micro SD-minneskort (QND-6012R/6022R/6032R/6072R/6082R, QNV-6012R/6022R/6032R/6072R/6082R)

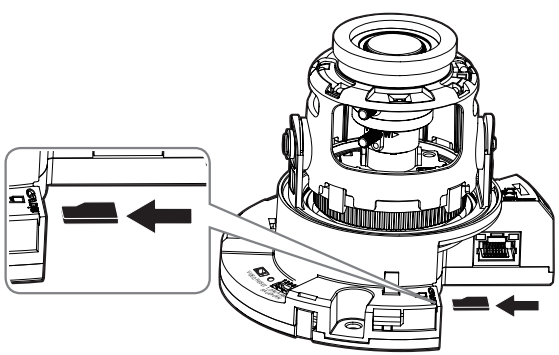
1. Dela på den kupolformade kåpan för kameran.
2. Mata in ett Micro SD-kort i pilens riktning så som visas på bilden.



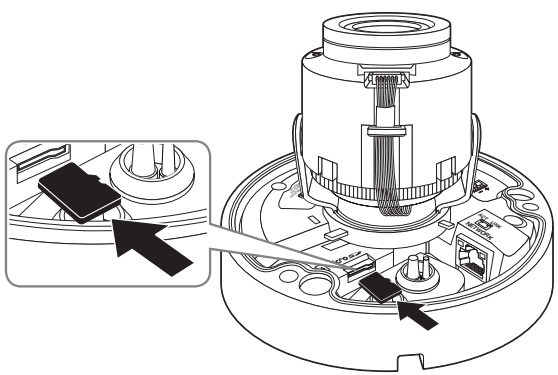
<QND-6012R/6022R/6032R>



<QNV-6012R/6022R/6032R>



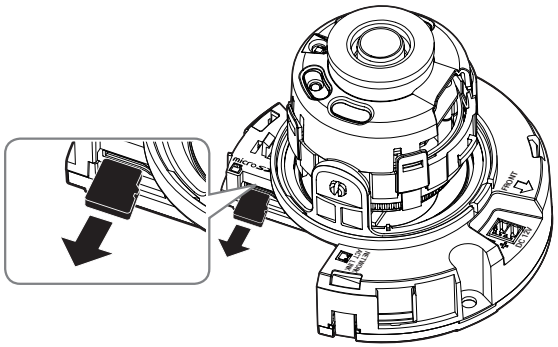
<QND-6072R/6082R>



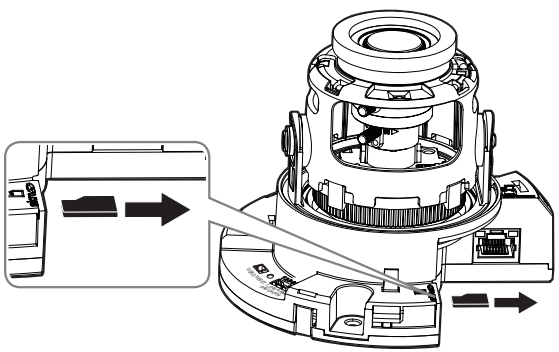
<QNV-6072R/6082R>

Mata ut ett Micro SD-minneskort

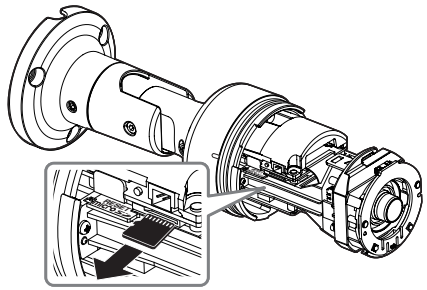
Tryck försiktigt nedåt på minneskortet så som visas i diagrammet för att mata ut det ur kortplatsen.



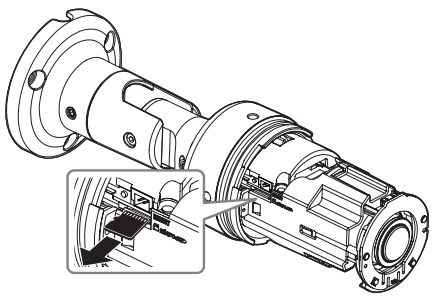
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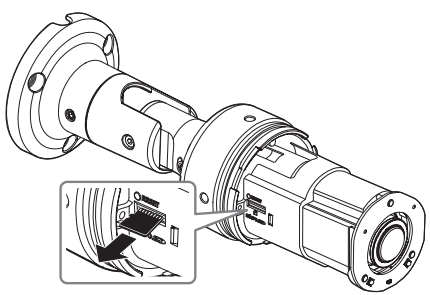
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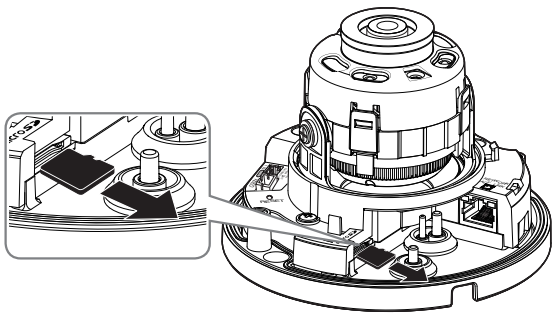
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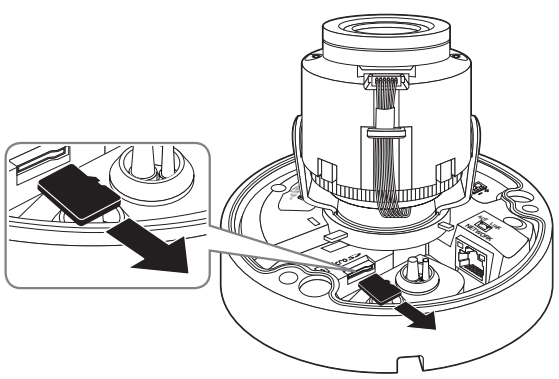
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<QNO-6082R>



<QNV-6012R/6022R/6032R>

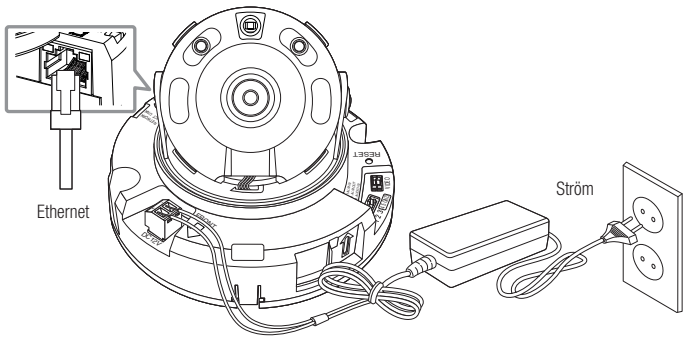


<QNV-6072R/6082R>

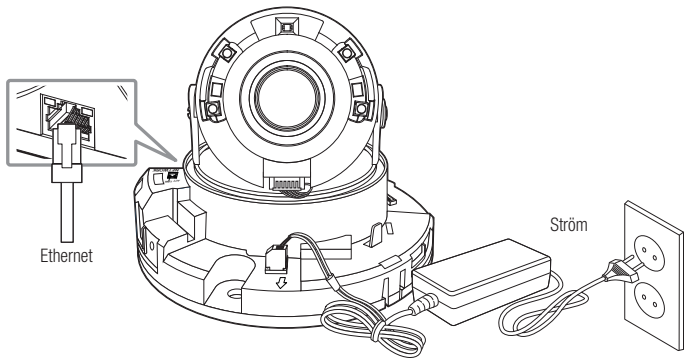
- Om du trycker för hårt på Micro SD-minneskortet kan det göra att kortet kommer ut okontrollerat ur kortplatsen när det matas ut.
- Innan du tar ut Micro SD-minneskortet i <**Lagring**>, konfigurerar du enheten till <**Av**> och trycker på knappen [**Tillämpa**] och stänger av kameran.
- Om du stänger av kameran eller tar ut Micro SD-minneskortet som innehåller data från produkten kan datan gå förlorad eller skadas.

PÅSLAGNING OCH NÄTVERKSHANTERING

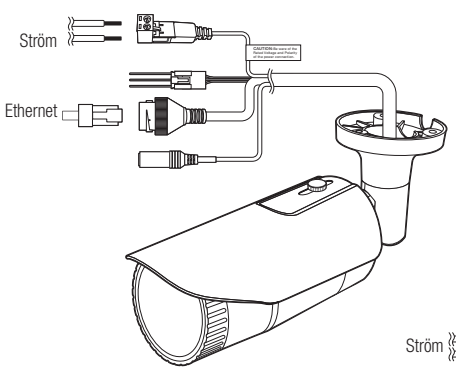
- Innan du ansluter DC 12 V-strömkontakten till uttaget, montera terminalblocket först.



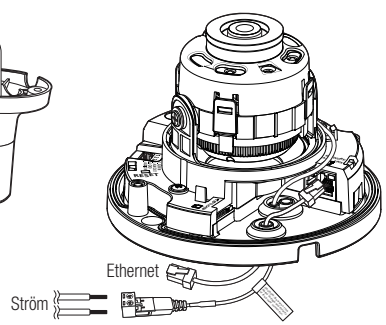
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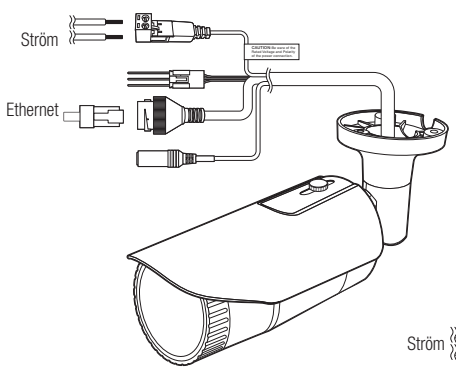
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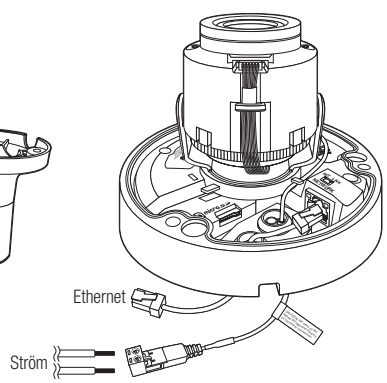
<QNO-6012R/6022R/6032R>



<QNV-6012R/6022R/6032R>



<QNO-6072R/6082R>



<QNV-6072R/6082R>

Ethernet-anslutning

Anslut Ethernet-kabeln till det lokala nätverket eller till Internet.

Strömkälla

Använd skruvmejseln för att ansluta varje linje (+, –) för strömkabeln till överensstämmande port på kameran.

- Om både PoE och DC 12 V tillämpas samtidigt, kommer produkten att försörjas med ström från DC 12 V.
  - Du kan också använda en router med PoE för att få strömtillförsel till kameran.
  - Använd PoE som är kompatibelt med IEEE 802.3af-protokollen.
  - Vi rekommenderar att du bara använder en av strömkällorna PoE och DC 12 V.
- Var försiktig så att du inte vänder polerna när du ansluter strömkabeln.
- Om du vill ansluta en extern enhet måste du först slå av den.

Specifikation för strömkabel för varje modell

Vid DC 12V ingång:

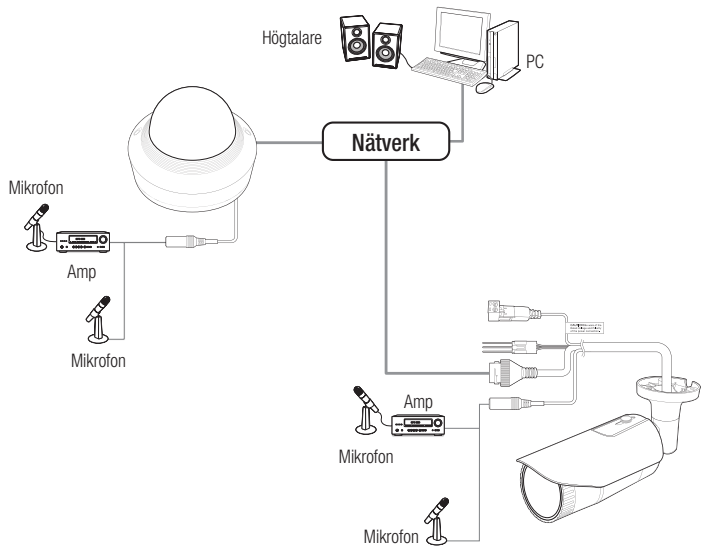
Kabeltyp (AWG)	#18	#20	#22
Modellnamn	Kabellängd (Max.)		
QND-6072R/6082R, QNV-6072R/6082R	30m	26m	16m
QNO-6072R/6082R	30m	26m	16m
QND-6012R/6022R/6032R, QNV-6012R/6022R/6032R	30m	26m	16m
QNO-6012R/6022R/6032R	30m	26m	16m

Specifikation för nätverkskabel

Artikel	Innehåll	Anmärkning
Anslutningsanordning	RJ45	
Ethernet	10/100BASE-T	10/100 Mbps
Kabel	Kategori 5e	
Max avstånd	100 m	DC-resistens ≤ 0,125 Ω/m
Stöd för PoE	IEEE 802.3af	

- Om du använder en annan kabel än kategori 5e-standarden, garanteras inte 100 m sändningsavstånd.

Ansluta till ingående ljud



1. Anslut kamerans AUDIO IN-port till mikrofonen eller LINE OUT-porten.

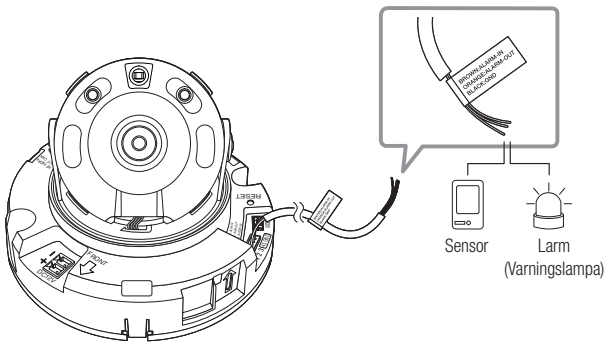
- QND-modellen har endast stöd för den inbyggda mikrofonen.

2. Kontrollera specifikationerna för ljudingång.

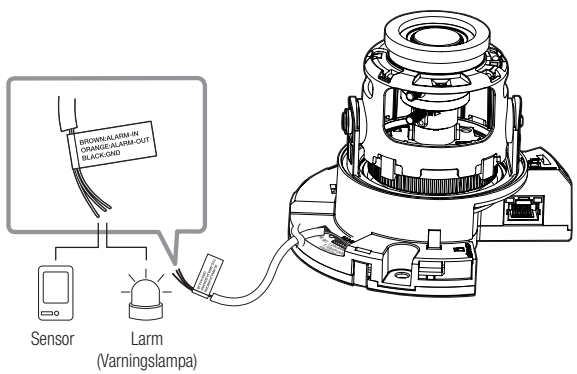
- **Audio Codec**
  - Ljud In : G.711 PCM (bithastighet: 64 kbit/s/samplingsfrekvens: 8 kHz), G.726 ADPCM (bithastighet: 16 kbit/s, 24 kbit/s, 32 kbit/s, 40 kbit/s/samplingfrekvens: 8 kHz)
- **Full duplex Audio**
- **Audio in (QND-6012R/6022R/6032R/6072R/6082R)** : Inbyggd mikrofon
- **Audio in (QNO-6012R/6022R/6032R/6072R/6082R, QNV-6012R/6022R/6032R/6072R/6082R)** : Valfri (mikrofon/linje in), spänning som stöds: 2,5 V DC (4 mA), ingångsimpedans: 2 k Ohm

Anslutning till I/O-portboxen

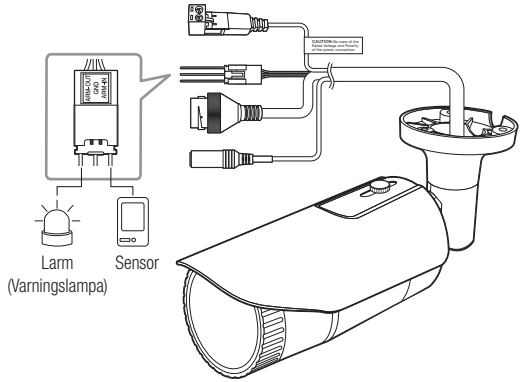
Anslut Larmets ingångs- och utgångskabel till motsvarande port i portboxen.



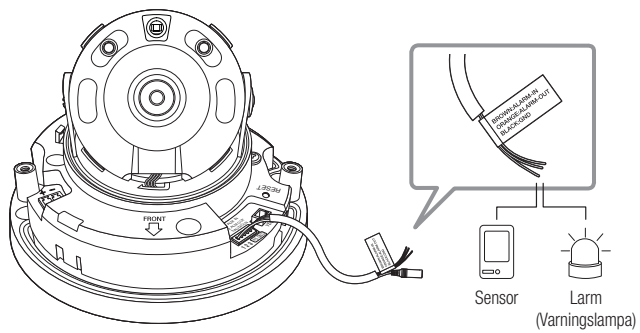
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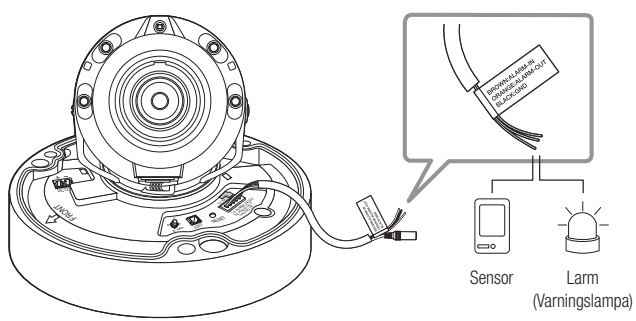
<QND-6072R/6082R>



<QNO-6012R/6022R/6032R/6072R/6082R>



<QNV-6012R/6022R/6032R>



<QNV-6072R>

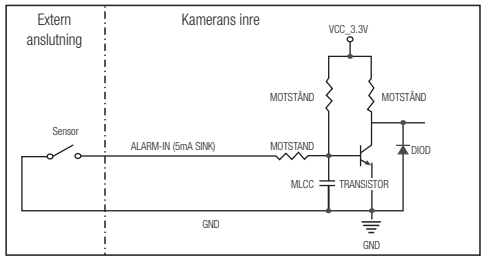
- ALARM-IN : Används för att ansluta sensorn för larmingång eller den externa dag/natt-sensorn.
- ALARM-OUT : Används för att ansluta utgående alarmsignal.
- GND : Gemensam port för in-/utgående signal för alarm.

▪ Om enheter (t ex blinkande ljus eller siren) som överstiger specifikationerna för spänning och strömstyrka ansluts med open collector-metoden kan fel uppstå.
Se "**Kopplingsschema för Alarm-ut**" när du ansluter enheter som överstiger specifikationerna för spänning och ström.

Så här ansluter du den externa sensorn

Anslut ena slingan på varje signallinje (2-slingor) för sensorerna till porten [**ALARM IN**] och anslut andra slingan till porten [**GND**].

Kopplingschema för Alarm-in

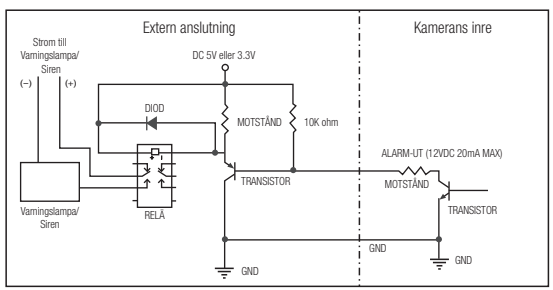


För att ansluta alarm-ut

Om enheter (t ex blinkande ljus eller siren) som överstiger specifikationerna för spänning och strömstyrka ansluts med open collector-metoden kan fel uppstå.

Se diagrammet för anslutning av alarm-ut nedan när du ansluter enheter som överstiger specifikationerna för spänning och ström.

Kopplingsschema för Alarm-ut

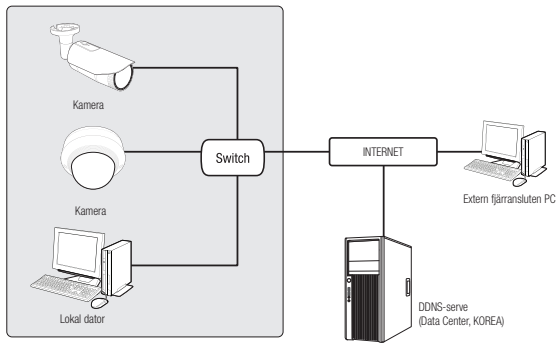


Du kan göra nätverksinställningar enligt dina nätverkskonfigurationer.

ANSLUTA KAMERAN DIREKT TILL LOKALT NÄTVERK

Ansluta till kameran från en lokal dator i nätverket

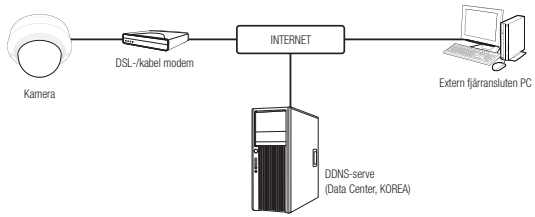
1. Starta Internet-klienten på den lokala datorn.
2. Ange IP-adressen för kameran i adressfältet för webbläsaren.



<Lokalt Nätverk>

- En fjärrdator på externt Internet utanför LAN-nätverket kan inte ansluta till kameran som är installerad i Intranätet om portvidarebefordran inte har ställts in eller om en brandvägg är inställd.
  I så fall ska du kontakta nätverksadministratören för att lösa problemet.
- I Device Manager kan du använda det initiala lösenordet, "**4321**" för att ställa in IP-adress, Subnätsmask, Gateway, HTTP-port, VNP-port och IP-typ. Efter byte av nätverksgränssnittet ska du öppna webbvisningen och ändra lösenordet för högre säkerhet.
- Enligt fabriksstandard tilldelas IP-adressen från DHCP-servern automatiskt.
  Om det inte finns någon DHCP-server tillgänglig är IP-adressen ställd till 192.168.1.100.
  Använd Device Manager för att ändra IP-adress.
  För mer information om hur man använder Device Manager, se "**Använda Device Manager**". (Sidan 32)

ANSLUTA KAMERAN DIREKT TILL ETT DHCP-BASERAT DSL/ KABELMODEM



1. Anslut användar-PC:n direkt till nätverkskameran.
2. Kör Device Manager för att ändra kamerans IP-adress så att du kan använda webbläsaren i din dator för att ansluta till internet.
3. Använd Internet-klienten för att ansluta till Webbvisning.
4. Gå till sidan [**Inställningar**].
5. Gå till [**Nätverk**] – [**DDNS**] och konfigurera DDNS-inställningarna.
6. Gå till [**Basic**] – [**IP & Port**] och ställ in IP-typ på [**DHCP**].
7. Anslut kameran, som togs bort från datorn, direkt till modemet.
8. Starta om kameran.

- För information om hur du konfigurerar DDNS, se onlinehjälpen för webbvisaren.
- För information om hur du konfigurerar IP format, se onlinehjälpen för webbvisaren.

ANVÄNDA DEVICE MANAGER

- Programmet Device Manager kan laddas ned från menyn <**Technical Guides**> – <**Online Tool**> på Hanwha Techwins webbplats (http://www.hanwha-security.com).
- Du kan hitta fler instruktioner för Device Manager i menyn <**Hjälp**> på huvudsidan.

AUTOMATISK KAMERASÖKNING

Om en kamera är ansluten till samma nätverk som datorn där Device Manager är installerat, kan du hitta nätverkskameran med hjälp av sökfunktionen.

1. Klicka på <**Search (Sök)**> på Device Managers huvudsida.
2. Markera kameran i listan.
   - Kontrollera MAC-adressen på etiketten som är fäst på kameran.

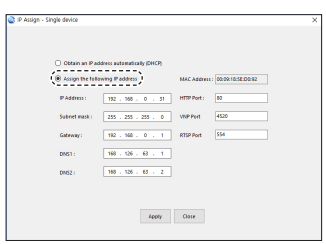
KONFIGURERA IP-ADRESS

Om du vill ändra nätverksinställningarna för kameran måste <**Status**> visa <**Login OK (Inloggning OK)**>. Klicka på <**Authentication (Autentisering)**> på huvudsidan för att logga in.

Konfigurera statisk IP

Infoga och konfigurera IP-adress och portinformation manuellt.

1. I listan klickar du på kameran som du vill ändra IP-inställningen för.
2. Klicka på <**IP Assign (Tilldela IP)**> på Device Managers huvudsida.
3. Välj <**Assign the following IP address (Tilldela följande IP-adress)**>.
   - Kamerans aktuella IP-information kommer att visas.
4. Fyll i IP- och portrelaterade kategorier.



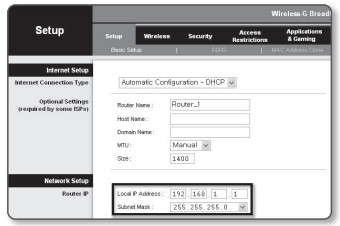
Utan användning av en Bredbandsrouter

Fråga den nätverksansvarige om inställt värde för <**IP-adress**>, <**Subnätsmask**>, <**Gateway**>.

- HTTP Port : Används för att komma åt kameran med Internetklienten, med standard på 80.
- VNP Port : Används för att kontrollera videosignalöverföringen, med 4520 som standard.
- RTSP Port : En port som kontrollerar streaming i realtid. Det ursprungliga värdet är 554.

Vid användning av en Bredbandsrouter

- IP-adress : Ange en adress som ligger inom IP-intervallet som erbjuds av Bredbandsrouter.
  ex) 192.168.1.2~254, 192.168.0.2~254,
  192.168.XXX.2~254
- Subnet Mask : <**Subnet Mask**> för Bredbandsrouter blir kamerans <**Subnet Mask**>.
- Gateway : <**Local IP Address**> för Bredbandsrouter blir <**Gateway**> för kameran.



- Inställningarna kan variera beroende på ansluten Bredbandsrouter modell.
  För vidare information, se användarhandboken för tillämplig router.
- Mer information om portvidarebefordring av bredbandsrouter finns i avsnittet "**Portintervallsinställning Framåt (portmappning)**". (sidan 34)

Om Bredbandsrouter har mer än en kamera ansluten

Konfigurera IP-relaterade inställningar och portrelaterade inställningar separerat från varandra.

ex)

Kategori		Kamera #1	Kamera #2
IP-relaterade inställningar	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
Portrelaterade inställningar	HTTP Port	8080	8081
	VNP Port	4520	4521
	RTSP Port	554	555

- Om <**HTTP Port**> är inställd på något annat än 80, måste du ange <**Port**>-numret i adressfältet på Internet-klienten innan du kan komma åt kameran.
  ex) http://IP-adress: HTTP-port
  http://192.168.1.100:8080

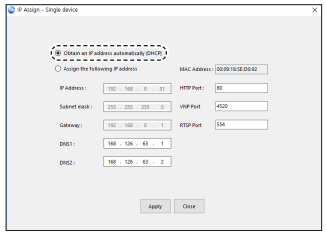
5. Klicka på knappen [**Tillämpa**].
6. Om meddelandet om genomförd åtgärd visas, klicka på [**OK**].

Konfigurera dynamisk IP

Erhålla IP-adress från DHCP

- Exempel på dynamisk IP-miljö
  - Om en Bredbandsrouter, med anslutna kameror, tilldelas en IP-adress av DHCP-servern
  - Om kameran ansluts direkt till modemet med DHCP-protokoll
  - Om IP-adresser tilldelas av den interna DHCP-servern via LAN

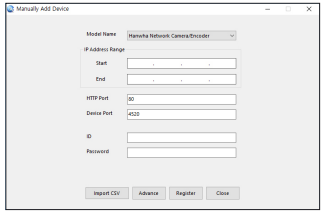
1. I listan klickar du på kameran som du vill ändra IP-inställningen för.
2. Klicka på<**IP Assign (Tilldela IP)**> på Device Managers huvudsida.
3. Välj <**Obtain an IP address automatically (DHCP) (Erhålla en IP-adress automatiskt (DHCP))**>.
4. Klicka på knappen [**Apply (Tillämpa)**].
5. Om meddelandet om genomförd åtgärd visas, klicka på [**OK**].



REGISTRERA KAMERAN MANUELLT

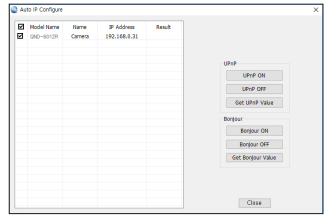
Om kameran inte kan hittas med hjälp av sökfunktionen, kan kameran registreras fjärrstyrt genom att manuellt infoga IP-information, om kameran är ansluten till ett externt nätverk.

1. Klicka på <**Add Devices (Lägg till enheter)**> – <**Manually Add Device (Lägg till enhet manuellt)**> på Device Managers huvudsida.
2. Ange intervallet för den IP-adress du söker
3. Välj <**Model Name (modellnamn)**> för kameran som du registrerar och ange HTTP-port, VNP-port, ID och lösenord.
4. Klicka på knappen [**Register (Registrera)**].
5. Kontrollera om kameran är registrerad.
   - Kontrollera MAC-adressen på etiketten som är fäst på kameran.



AUTOMATISK KONFIGURERING AV IP

1. I listan klickar du på kameran som du vill konfigurera IP-inställningen för automatiskt.
2. Klicka på < **+** > på Device Managers huvudsida.
   - Utrustningens inställningsmeny visas.
3. Klicka på <**Auto IP Configure (Auto-IP-konfigurera)**> i menyn.
4. Klicka på knappen [**Close (Stäng)**].

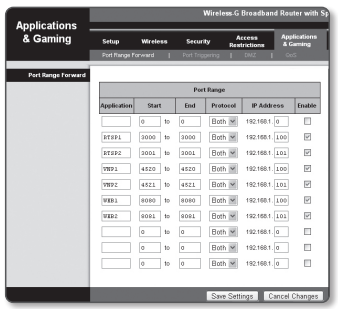


PORTINTERVALLSINSTÄLLNING FRAMÅT (PORTMAPPNING)

Om du har installerat en Bredbandsrouter med en kamera ansluten måste du ställa in portintervall för vidarebefordran av Bredbandsrouter så att en fjärrdator kan få åtkomst till kameran i den.

Manuell vidarebefordran för portintervall

1. I inställningsmenyn för Bredbandsrouter väljer du <**Applications & Gaming**> - <**Port Range Forward**>.
   För inställning av vidarebefordran för portintervall gällande en tredjeparts Bredbandsrouter, läs bruksanvisningen för Bredbandsrouter.
2. Välj <**TCP**> och <**UDP Port**> för varje ansluten kamera till Bredbandsrouter.
   Numret för varje port som ska konfigureras till IP-routern bör ställas in efter det portnummer som tilldelats i <**Inställningar**> - <**Basic**> - <**IP & Port**> på kamerans webbvisare.
3. När du är klar klickar du på [**Save Settings**].
   Inställningarna sparas.

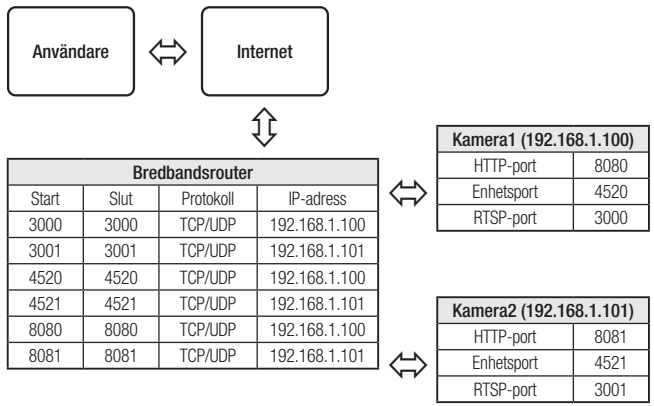


- Inställningen Portvidarebefordran är ett exempel på inställning för CISCO IP-router.
- Inställningarna kan variera beroende på ansluten Bredbandsrouter modell.
  För vidare information, se användarhandboken för tillämplig router.

Installera vidarebefordran av port för flera nätverkskameror

- Du kan ställa in en regel för portvidarebefordran på Bredbandsrouter enheten genom dess konfiguration för webbsidan.
- En användare kan ändra varje port med kamerainställningsskärmen.

När Kamera1 och Kamera2 är anslutna till en router:



Bredbandsrouter			
Start	Slut	Protokoll	IP-adress
3000	3000	TCP/UDP	192.168.1.100
3001	3001	TCP/UDP	192.168.1.101
4520	4520	TCP/UDP	192.168.1.100
4521	4521	TCP/UDP	192.168.1.101
8080	8080	TCP/UDP	192.168.1.100
8081	8081	TCP/UDP	192.168.1.101

Kamera1 (192.168.1.100)	
HTTP-port	8080
Enhetsport	4520
RTSP-port	3000

Kamera2 (192.168.1.101)	
HTTP-port	8081
Enhetsport	4521
RTSP-port	3001

- Portvidarebefordran kan göras utan ytterligare inställningar av router om routern stöder funktion för UPnP (Universal Plug and Play).
  Efter anslutning av nätverkskameran markerar du kryssrutan i menyn <**Snabbanslutning**> i <**Wisenet DDNS**> i "**Inställningar** -> **Nätverk** -> **DDNS**".

ANSLUTA TILL KAMERAN FRÅN EN DELAD, LOKAL DATOR

1. Kör Device Manager.
   Den söker efter anslutna kameror och visar en lista över dem.
2. Dubbelklicka på en kamera du vill komma åt.
   Internetklienten startar och ansluter till kameran.

▪ Du kan även komma åt kameran genom att skriva in IP-adressen för den uppsökta kameran i adressfältet för Internet-klienten.

ANSLUTA TILL KAMERAN FRÅN EN FJÄRRDATOR VIA INTERNET

På en fjärrdator som inte finns i bredbandsrouterns nätverk är inte kluster tillåtna. Användarna kan få tillgång till kameror inom bredbandsrouterns nätverk med hjälp av kamerans DDNS-adress.

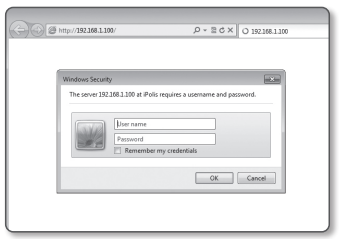
1. Innan du kan få åtkomst till en kamera i nätverket för Bredbandsrouter ska du ha ställt in portintervall för vidarebefordran för Bredbandsrouter.
2. Starta Internet-klienten från fjärrdarotn och skriv in DDNS URL-adressen för kameran, eller IP-adressen för Bredbandsrouter i adressfältet.
   ex) http://ddns.hanwha-security.com/ID

▪ För att använda Wisenet DDNS registrerar du dig på Wisenet DDNS hemsida (http://ddns.hanwha-security.com) och registrerar produkten på [**Mitt DDNS**]>[**Registrera produkt**].

ANSLUTA TILL KAMERAN

I normala ska du

1. Starta Internet-klienten.
2. Skriva in IP-adressen för kameran i adressfältet.
   ex) • IP-adress (IPv4): 192.168.1.100
   → http://192.168.1.100
   - inloggningsfönstret ska öppnas.
   • IP-adress (IPv6) : 2001:230:abcd: ffff:0000:0000:ffff:1111
   → http://[2001:230:abcd:ffff:0000:0000:ffff:1111]
   - inloggningsfönstret ska öppnas.



Om HTTP-porten är någon annan än 80

1. Starta Internet-klienten.
2. Skriva in IP-adressen och HTTP-portnumret för kameran i adressfältet.
   ex) IP-adress: 192.168.1.100:HTTP Port number(8080)
   → http://192.168.1.100:8080 - inloggningsfönstret ska öppnas.

Använda URL

1. Starta Internet-klienten.
2. Skriv in DDNS URL-adressen för kameran i adressfältet.
   ex) URL-adress: http://ddns.hanwha-security.com/ID
   - inloggningsfönstret ska öppnas.

▪ Nätverksanslutning är inaktiverad i miljöer med endast LAN.

Anslutning via UPnP

1. Ställ in klienten eller operativsystemet så att det stöder UpnP-protokollet.
2. Klicka på kameranamnet för att söka.
   Vid Windows operativsystem, klicka på kameranamnet som sökts från nätverksmenyn.
   - Inloggningsfönstret visas.

Anslutning via Bonjour

1. Ställ in klienten eller operativsystemet så att det stöder Bonjour-protokollet.
2. Klicka på kameranamnet för att söka.
   Vid Mac operativsystem, klicka på kameranamnet som sökts på Bonjourfliken i Safari.
   - Inloggningsfönstret visas.

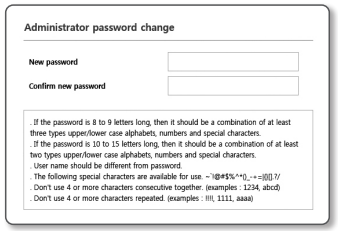
Kontrollera DDNS-adressen

Om kameran är ansluten direkt till en DHCP-baserad kabel via modem eller DSL-modem, ändras IP-adressen varje gång den försöker ansluta till ISP (företaget du prenumererar på).
Om detta är fallet informeras du inte om att IP-adressen har ändrats av DDNS.

Så fort du registrerar en dynamisk, IP-baserad enhet med DDNS-servern kan du enkelt kontrollera den ändrade IP-adressen när du försöker få tillgång till enheten.
För att registrera enheten till <**DDNS**>-servern, besök sidan http://ddns.hanwha-security.com och registrera enheten först och ställ sedan in webbvisningens <**Nätverk**> - <**DDNS**> till <**Wisenet DDNS**>, samt erbjuda <**Produkt-ID**> som har använts för DDNS-registringen.

LÖSENORDSINSTÄLLNING

När du öppnar produkten för första gången måste du registrera inloggningslösenordet.
När fönstret för "**Lösenordsändring**" visas anger du ett nytt lösenord.

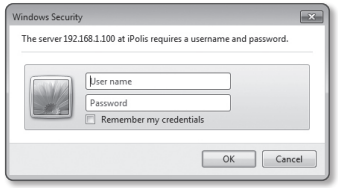


- För ett nytt lösenord med 8 till 9 tecken måste du använda minst 3 av följande alternativ: versaler/gemener, siffror och specialtecken. För ett lösenord med 10 till 15 siffror måste du använda minst 2 typer av ovan nämnda alternativ.
  - Specialtecken som tillåts. : ~`!@#$%^*()_-+=|{}[].?/
- För ökad säkerhet rekommenderar vi att du inte upprepa samma tecken eller tecken i följd på tangentbordet för dina lösenord.
- Om du tappar bort lösenordet kan du trycka på knappen [**RESET**] för att återställa produkten, så du inte förlorar lösenordet genom att använda en memo pad eller memorera det.

INLOGGNING

När du har tillgång till kameran visas inloggningsfönstret.
Ange användar-ID och lösenord för att öppna kameran.

1. Ange "**admin**" i inmatningsrutan <**User name**>.
   Administratörs-ID, "**admin**", är fast och kan inte ändras.
2. Ange lösenordet i inmatningsfältet <**Password**>.
3. Klicka på [**OK**].
   Om du har loggat in utan problem kommer du till skärmen Live Viewer.



- När du öppnar kamerans web viewer ska du vara noggrann med säkerheten och kontrollera om bilddata krypteras.

- Om du markerar alternativet "**Remember my credentials**" när inmatningen har gjorts loggas du automatiskt in utan att tillfrågas om att ange inloggningsinformationen från nästa gång.
- Du får bästa videokvaliteten om skärmstorleken är 100 %. Om du minskar förhållandet kan det kapa bilden i kanterna.

KAMERANS WEBBVISNINGSINSTÄLLNINGAR

1. Klicka på ikonen [**Konfiguration ( )**].
2. Inställningsfönstret visas.
3. Du kan konfigurera inställningarna för kamerans grundinformationsvideo, ljud, nätverk, händelse, analys och system över nätverket.
4. Klicka på <**Hjälp ( )**> för att visa detaljerade beskrivningar av varje funktion.

SPECIFIKATIONER (QND-6012R/6022R/6032R, QNV-6012R/6022R/6032R, QNO-6012R/6022R/6032R)

Artiklar		Beskrivning		
		QND-6012R/6022R/6032R	QNV-6012R/6022R/6032R	QNO-6012R/6022R/6032R
Video	Bildenhet	1/2,8" 2MP CMOS		
	Effektiva pixlar	1920(H) x 1080(V)		
	Min. upplysning	QND-6012R/6032R/QNV-6012R/6032R/QNO-6012R/6032R Färg : 0,1 Lux (F2.0, 1/30 sek), B/W : 0 Lux (IR LED På) QND-6022R/QNV-6022R/QNO-6022R Färg : 0,1 Lux (F1.6, 1/30 sek), B/W : 0 Lux (IR LED På)		
	Video ut	CVBS : 1,0 Vp-p / 75Ω komposit, 720x480(N), 720x576(P), för installation		
Objektiv	Fokallängd (zoomförhållande)	QND-6012R/QNV-6012R/QNO-6012R : 2,8mm fast fokus QND-6022R/QNV-6022R/QNO-6022R : 4mm fast fokus QND-6032R/QNV-6032R/QNO-6032R : 6mm fast fokus		
	Max. bländarförhållande	QND-6012R/6032R/QNV-6012R/6032R/QNO-6012R/6032R : F2.0 QND-6022R/QNV-6022R/QNO-6022R : F1.6		
	Vinkel på visningsfält	QND-6012R/QNV-6012R/QNO-6012R : H: 113,74° / V: 61,5° / D: 134,45° QND-6022R/QNV-6022R/QNO-6022R : H: 87,6° / V: 46,4° / D: 104,5° QND-6032R/QNV-6032R/QNO-6032R : H: 52,8° / V: 30,3° / D: 60,4°		
	Fokuskontroll	Fast		
Pan / Tilt / Rotera	Område för panorering/ lutning/rotation	0˚~350˚ / 0˚~67˚ / 0˚~355˚	0˚~350˚ / 0˚~67˚ / 0˚~355˚	-
Användning	Synlig IR-längd	20m(65,62 fot)	QNO-6012R/QNV-6012R : 20m(65,62 fot) QNO-6022R/QNV-6022R : 25m(82,02 fot) QNO-6032R/QNV-6032R : 30m(98,42 fot)	
	Kameratitel	Visas med 85 tecken		
	Dag och natt	Auto (ICR)		
	Motljuskompensation	BLC, WDR, SSDR		

Artiklar		Beskrivning		
		QND-6012R/6022R/6032R	QNV-6012R/6022R/6032R	QNO-6012R/6022R/6032R
Användning	Brett dynamiskt intervall	120dB		
	Digital brusreducering	SSNR		
	Rörelsedetektering	4ea, polygonala zoner		
	Sekretessmask	6ea, rektangulära zoner		
	Gain-kontroll	Stöd		
	Vitbalans	ATW / AWC / manuell / inomhus / utomhus		
	LDC	Stöd		
	Elektronisk slutarhastighet	Minimum / Maximum / Antiflimmer (1/5~1/12,000 sek)		
	Videorotation	Rotation, Spegelvänd, Hall (90˚ / 270˚)		
	Analys	Detektering av flyttad fokusering, Riktningsdetektering, Rörelsedetektering, Inträde/utträde, Manipulering, Virtuell linje		
	Larm I/O	Ingång 1ea / Utgång 1ea		
	Alarmutlösare	Analys, Frånkoppling av nätverk, Larmingång		
	Alarmhändelser	• Filöverföring via FTP, e-post • Meddelande via e-post • SD/SDHC/SDXC- eller NAS-inspelning vid händelseutlösare • Larmutgång		
	LJUD In	Inbyggd mikrofon	Valbar (mic in/line in) Försörjningsspänning: 2,5 V DC (4 mA), Ingångsimpedans: 2K ohm	
Nätverk	Ethernet	RJ-45 (10/100BASE-T)		
	Video komprimerings format	H.265/H.264 : Huvud/Hög, MJPEG		
	Upplösning	1920 x 1080, 1280 x 960, 1280 x 720, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360		
	Max. ramhastighet	H.265/H.264 : Max 30fps/25fps (60Hz/50Hz) MJPEG : Max 15fps/12fps (60Hz/50Hz)		
	Smartkodec	WiseStreamⅡ		
	Videokvalitetsjustering	H.264/H.265 : Målbithastighetskontroll MJPEG : Kvalitetsnivåkontroll		

Artiklar		Beskrivning		
		QND-6012R/6022R/6032R	QNV-6012R/6022R/6032R	QNO-6012R/6022R/6032R
Nätverk	Metod för bildhastighetskontroll	H.264/H.265 : CBR eller VBR Motion JPEG : VBR		
	Strömning	Unicast (6 användare)/Multicast Multipel strömning (upp till 3 profiler)		
	Ljudkomprimering	G.711 μ-law / G.726-valbar G.726 (ADPCM) 8kHz, G.711 8kHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps		
	Protokoll	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP		
	Säkerhet	HTTPS(SSL) inloggningsautentisering Digest inloggningsautentisering IP-adressfitrering Användaråtkomstlogg 802.1X autentiseringsmetod (EAP-TLS, EAP-LEAP)		
	Edge-lagring	Micro SD/SDHC/SDXC 1fack 128 GB		
	Programmeringsgränssnitt	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet öppen plattform		
	Webbsidspråk	Engelska, Koreanska, Franska, Tyska, Spanska, Italienska, Kinesiska, Ryska, Japanska, Svenska, Portugisiska, Tjeckiska, Polska, Turkiska, Holländska, Ungerska, Grekiska		
	Webbviewer	Operativsystem som stöds : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Rekommenderad webbläsare: Google Chrome Webbläsare som stöds : MS Explore11, MS Edge, Mozilla Firefox (endast Windows 64 bitar), Apple Safari (Endast stöd i Mac OS X)		
	Minne	512 MB RAM, 256 MB Flash		

Artiklar		Beskrivning		
		QND-6012R/6022R/6032R	QNV-6012R/6022R/6032R	QNO-6012R/6022R/6032R
Omgivande miljö	Driftstemperatur/Luftfuktighet	-10°C ~ +55°C (14°F ~ +131°F) / Mindre än 90% RH	-30°C ~ +55°C (-40°F ~ +131°F) / Mindre än 90% RH * Start bör ske över -20°C	
	Förvaringstemperatur / Luftfuktighet	-30°C ~ +60°C (-22°F ~ +140°F) / Mindre än 90% RH		
	Certifiering	-	IP66, IK10	
Elektricitet	Volt	PoE(IEEE802.3af, Class3), 12 V DC		
	Strömförbrukning	PoE: Max 7,4 W, vanligen 6 W 12 V DC: Max 6,4 W, vanligen 5,1 W	PoE: Max 7,4 W, vanligen 6 W 12 V DC:: Max 6,4 W, vanligen 5,1 W	PoE: Max 7 W, vanligen 5,2 W 12 V DC:: Max 6,1 W, vanligen 4,5 W
Mekanik	Färg / Material	Vit/Plast	Vit/Aluminium	Mörkgrå/Aluminium
	RAL-kod	RAL9003		-
	Produktens mått/vikt	Ø110,0 x 86,0 mm (Ø4,33 x 3,39"), 255 g	Ø120,3 x 91,7 mm (Ø4,74 x 3,61"), 510 g	Ø70,0 x 246,0 mm (Ø4,33 x 3,39"), 700 g

SPECIFIKATIONER (QND-6072R/6082R, QNV-6072R/6082R, QNO-6072R/6082R)

Artiklar		Beskrivning		
		QND-6072R/6082R	QNV-6072R/6082R	QNO-6072R/6082R
Video	Bildenhet	1/2,8" 2MP CMOS		
	Effektiva pixlar	1920(H) x 1080(V)		
	Min. upplysning	Färg : 0,095 Lux (F1.6, 1/30 sek) B/W : 0 Lux (IR LED På)		
	Video ut	CVBS : 1,0 Vp-p / 75Ω komposit, 720x480(N), 720x576(P), för installation		
Objektiv	Fokallängd (zoomförhållande)	QND-6072R/QNO-6072R/QNV-6072R : 3,2~10mm(3,1x) manuell varifokal QND-6082R/QNO-6082R/QNV-6082R : 3,2~10mm(3,1x) motoriserad varifokal		
	Max. bländarförhållande	F1.6(vidvinkel) ~ F2.9(Tele)		
	Vinkel på visningsfält	H: 109,0° (vidvinkel) ~ 33,2° (Tele) / V: 57,4° (vidvinkel) ~ 18,7° (Tele) / D: 132,0° (vidvinkel) ~ 38,0° (Tele)		
	Objektivtyp	QND-6072R/QNV-6072R/QNO-6072R : Manuell QND-6082R/QNV-6082R/QNO-6082R : Enkel fokus		
Pan / Tilt / Rotera	Område för panorering/ lutning/rotation	0˚~350˚ / 0˚~67˚ / 0˚~355˚	0˚~350˚ / 0˚~67˚ / 0˚~355˚	-
Användning	Synlig IR-längd	20m(65,62 fot)	30m(98,42 fot)	
	Kameratitel	Visas med 85 tecken		
	Dag och natt	Auto (ICR)		
	Motljuskompensation	BLC, WDR, SSDR		

Artiklar		Beskrivning		
		QND-6072R/6082R	QNV-6072R/6082R	QNO-6072R/6082R
Användning	Brett dynamiskt intervall	120dB		
	Digital brusreducering	SSNR		
	Rörelsedetektering	4ea, polygonala zoner		
	Sekretessmask	6ea, rektangulära zoner		
	Gain-kontroll	Låg / Medel / Hög		
	Vitbalans	ATW / AWC / manuell / inomhus / utomhus		
	LDC	Stöd		
	Elektronisk slutarhastighet	Minimum / Maximum / Antiflimmer (1/5~1/12,000 sek)		
	Videorotation	Rotation, Spegelvänd, Hall (90˚ / 270˚)		
	Analys	Detektering av flyttad fokusering, Riktningsdetektering, Rörelsedetektering, Inträde/utträde, Manipulering, Virtuell linje		
	Larm I/O	Ingång 1ea / Utgång 1ea		
	Alarmutlösare	Analys, Frånkoppling av nätverk, Larmingång		
	Alarmhändelser	• Filöverföring via FTP, e-post • Meddelande via e-post • SD/SDHC/SDXC- eller NAS-inspelning vid händelseutlösare • Larmutgång		
	LJUD In	Inbyggd mikrofon	Valbar (mic in/line in) Försörjningsspänning: 2,5 V DC (4 mA), Ingångsimpedans: 2K ohm	
Nätverk	Ethernet	RJ-45 (10/100BASE-T)		
	Video komprimerings format	H.265/H.264 : Huvud/Hög, MJPEG		
	Upplösning	1920 x 1080, 1280 x 960, 1280 x 720, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360		
	Max. ramhastighet	H.265/H.264 : Max 30fps/25fps (60Hz/50Hz) MJPEG : Max 15fps/12fps (60Hz/50Hz)		
	Smartkodec	WiseStreamⅡ		
	Videokvalitetsjustering	H.264/H.265 : Målbithastighetskontroll MJPEG : Kvalitetsnivåkontroll		

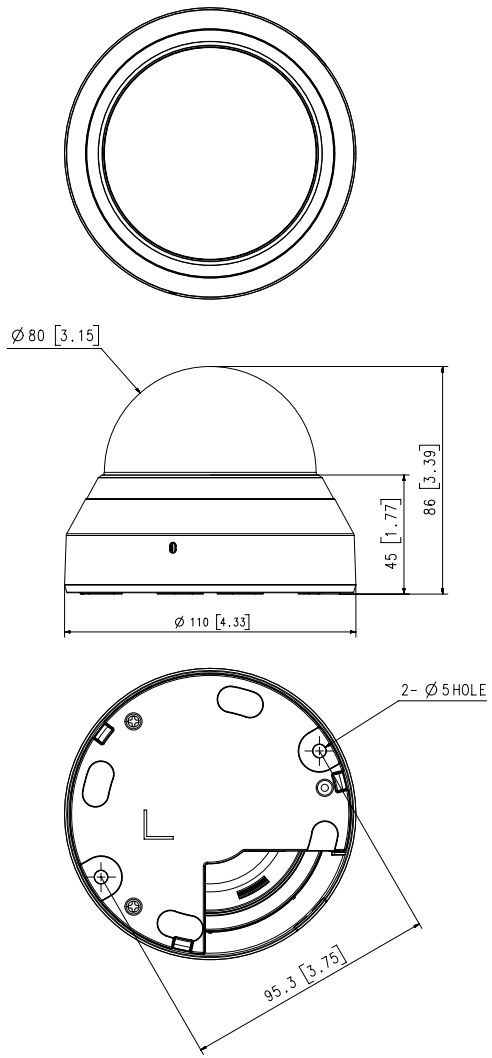
Artiklar		Beskrivning		
		QND-6072R/6082R	QNV-6072R/6082R	QNO-6072R/6082R
Nätverk	Metod för bildhastighetskontroll	H.264/H.265 : CBR eller VBR Motion JPEG : VBR		
	Strömning	Unicast (6 användare)/Multicast Multipel strömning (upp till 3 profiler)		
	Ljudkomprimering	G.711 µ-law / G.726-valbar G.726 (ADPCM) 8kHz, G.711 8kHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps		
	Protokoll	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP		
	Säkerhet	HTTPS(SSL) inloggningsautentisering Digest inloggningsautentisering IP-adressfitrering Användaråtkomstlogg 802.1X autentiseringsmetod (EAP-TLS, EAP-LEAP)		
	Edge-lagring	Micro SD/SDHC/SDXC 1fack 128 GB		
	Programmeringsgränssnitt	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet öppen plattform		
	Webbsidspråk	Engelska, Koreanska, Franska, Tyska, Spanska, Italienska, Kinesiska, Ryska, Japanska, Svenska, Portugisiska, Tjeckiska, Polska, Turkiska, Holländska, Ungerska, Grekiska		
	Webbviewer	Operativsystem som stöds : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Rekommenderad webbläsare: Google Chrome Webbläsare som stöds : MS Explore11, MS Edge, Mozilla Firefox (endast Windows 64 bitar), Apple Safari (Endast stöd i Mac OS X)		
	Minne	512 MB RAM, 256 MB Flash		

Artiklar		Beskrivning		
		QND-6072R/6082R	QNV-6072R/6082R	QNO-6072R/6082R
Omgivande miljö	Driftstemperatur/Luftfuktighet	-10°C ~ +55°C (14°F ~ +131°F) / Mindre än 90% RH	-30°C ~ +55°C (-40°F ~ +131°F) / Mindre än 90% RH * Start bör ske över -20°C	
	Förvaringstemperatur / Luftfuktighet	-30°C ~ +60°C (-22°F ~ +140°F) / Mindre än 90% RH		
	Certifiering	-	IP66, IK10	
Elektricitet	Volt	PoE(IEEE802.3af, Class3), 12 V DC		
	Strömförbrukning	PoE: Max 7,5 W, vanligen 6 W 12 V DC: Max 6,5 W, vanligen 5,1 W	PoE: Max 7,5 W, vanligen 6 W 12 V DC: Max 6,5 W, vanligen 5,1 W	PoE: Max 7,4 W, vanligen 5,4 W 12 V DC: Max 6,5 W, vanligen 4,8 W
Mekanik	Färg / Material	Vit/Plast	Vit/Aluminium	Mörkgrå/Aluminium
	Produktens mått/vikt	RAL9003	RAL9003	-
	Product dimensions / Vikt	Ø119,8 x 98,8 mm (Ø4,72 x 3,89"), 320 g	Ø137,0 x 106,1 mm (Ø5,39 x 4,18"), 710 g	QNO-6072R: Ø70,0 x 246,0 mm (Ø4,33 x 3,39"), 730 g QNO-6082R: Ø78,0 x 259,8 mm (Ø3,07 x 10,2"), 900 g

PRODUKTÖVERSIKT (QND-6012R/6022R/6032R/6072R/6082R)

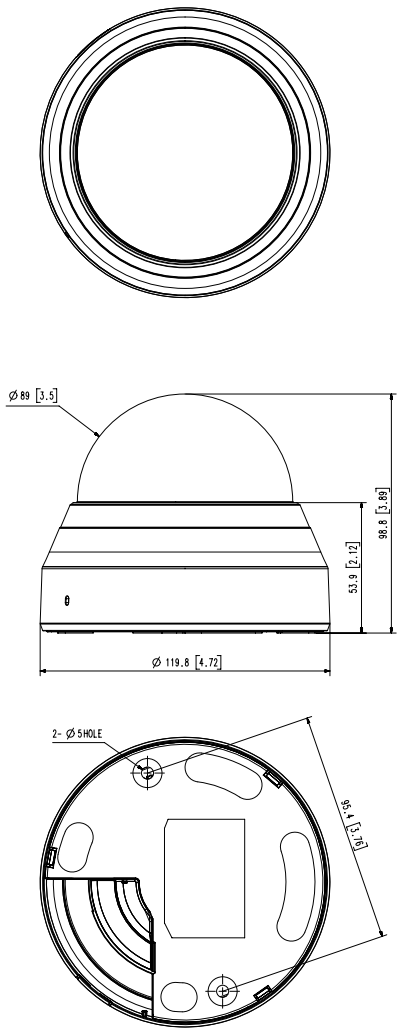
QND-6012R/6022R/6032R

Enhet : mm [tum]



QND-6072R/6082R

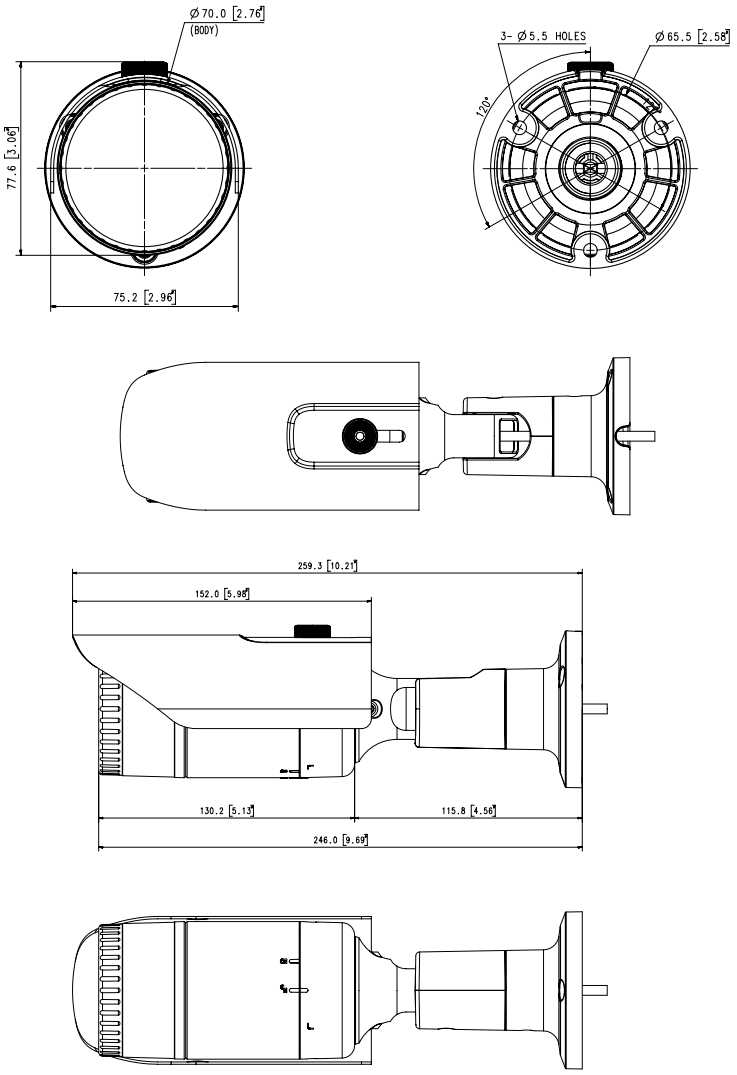
Enhet : mm [tum]



PRODUKTÖVERSIKT (QNO-6012R/6022R/6032R/6072R/6082R)

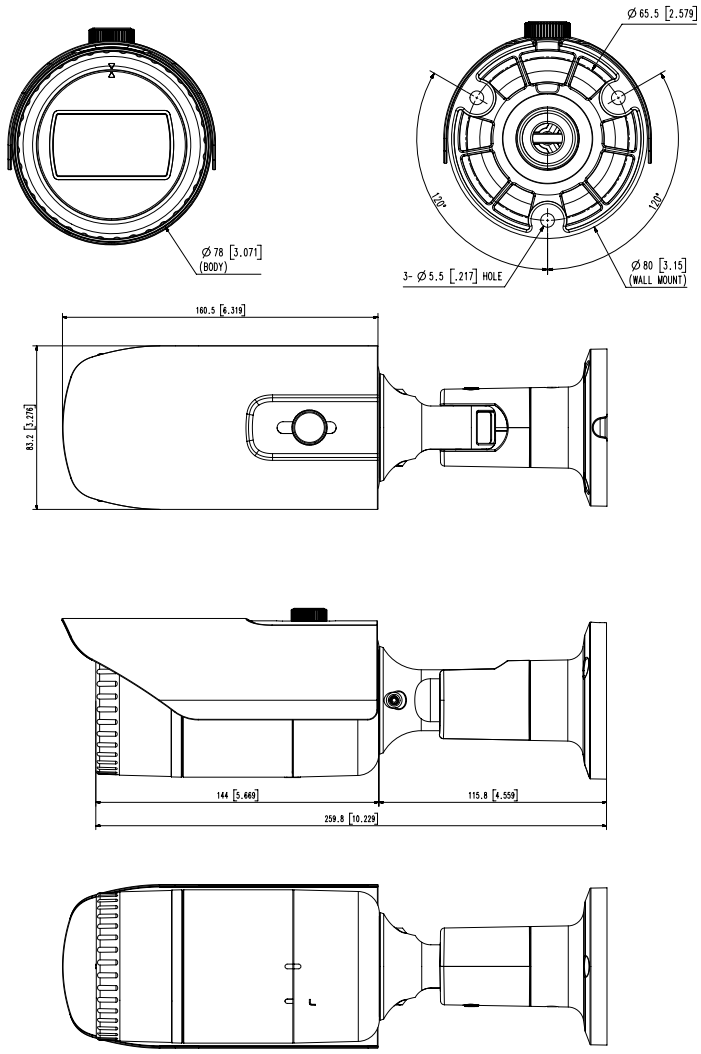
QNO-6012R/6022R/6032R/6072R

Enhet : mm [tum]



QNO-6082R

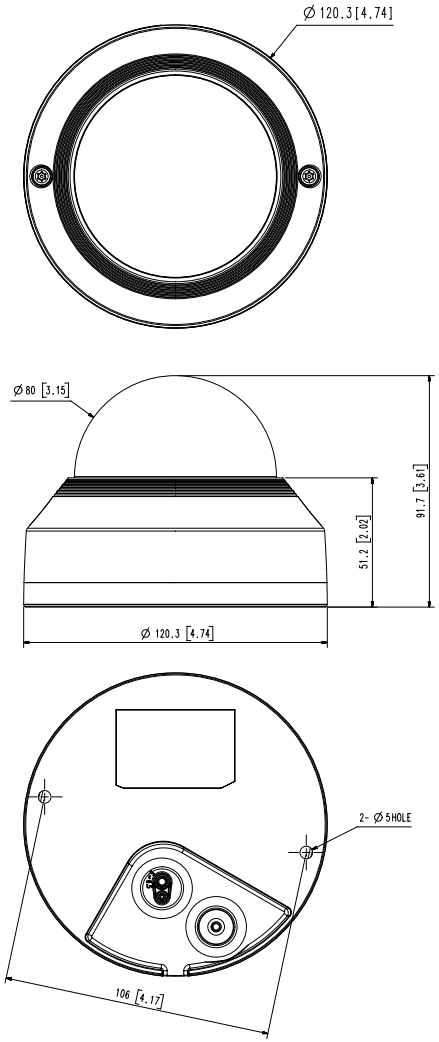
Enhet : mm [tum]



PRODUKTÖVERSIKT (QNV-6012R/6022R/6032R/6072R/6082R)

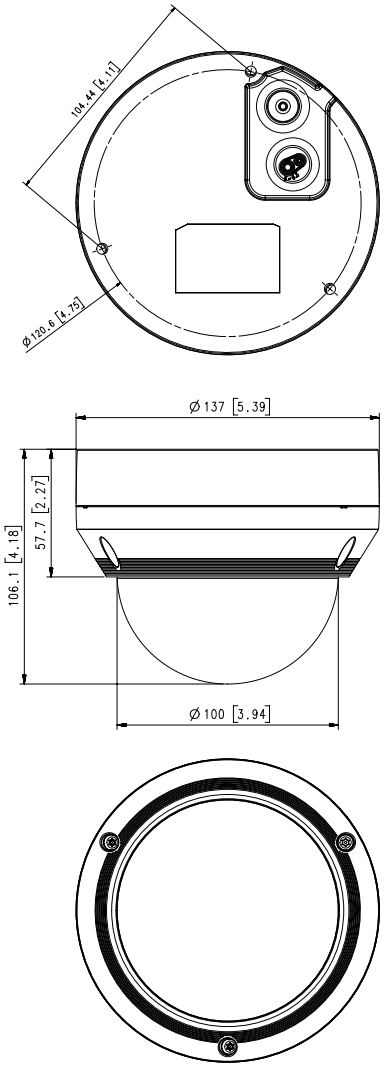
QNV-6012R/6022R/6032R

Enhet : mm [tum]



QNV-6072R/6082R

Enhet : mm [tum]



FELSÖKNING

PROBLEM	LÖSNING
När en användare av Windows 10 öppnar webbvisningsverktyget genom Chrome eller Firefox ändras volymen på mikrofonen med jämna mellanrum.	• Detta är det som händer när mikrofonens drivrutin har ställts in på Realtek driver. Installera högupplöst ljudenhet (Windows standarddrivrutin) eller drivrutinen för tredje part som mikrofondrivrutin.
Ingen video visas i den kostnadsfria plugin-webbvisaren på Safari via HTTPS.	• Klicka på "Visa autentiseringscertifikat" i popup-autentiseringsfönstret som visas när du ansluter till HTTPS för första gången, och markera kryssrutan "Lita alltid på anslutningar till den tilldelade webbvisarens IP-adress". • Om webbvisaren inte visar video när du har klickat på "Nästa" i meddelandet nedan, trycker du på kommandotangenten + Q för att avsluta Safari. Anslut igen och genomför samma procedur som ovan.
Jag kan inte komma åt kameran från en webbläsare.	• Kontrollera för att säkerställa att kamerans nätverksinställningar är korrekta. • Kontrollera för att säkerställa att alla nätverkskablar har anslutits korrekt. • Om den är ansluten och du använder DHCP ska du kontrollera att kameran kan förvärva dynamiska IP-adresser utan problem. • Om kameran har anslutits till en Bredbandsrouter ska du se till att portvidarebefordran är korrekt konfigurerat.
Viewern har kopplats ur under övervakningen.	• Anslutna användare blir frånkopplade vid en ändring i kamera- eller nätverkskonfigurationen. • Kontrollera alla nätverksanslutningar.
Ingen video visas när jag för första gången ansluter webbvisaren, eller streamar till klienten.	• Det högsta antalet tillgängliga profiler är tre. Anslutningen kan brytas om du använder fyra eller fler profiler. Exempel) Om du ansluter till MJPEG, H.264 och H.265 och sedan ansluter med en annan profil, kan anslutningen brytas.
Den nätverksanslutna kameran hittas inte i programmet Device Manager.	• Slå av inställningarna för brandväggen på datorn och sök kameran igen.
Bilderna överlappas.	• Kontrollera om två eller fler kameror är inställda på enkel multicast-adress istället för olika adresser. Om en enkel adress används för flera kameror kan bilderna överlappas.
Ingen bild visas.	• Om sändningsmetoden är inställd på multicast ska du kontrollera om det finns en router som stöder multicast i nätverket som kameran är ansluten till.
Röst spelas inte in även om ljudingångsinställningarna konfigureras.	• Du måste markera kryssrutan <Ljud in> i <Basic> - <Videoprofil>.

PROBLEM	LÖSNING
<Rörelsedetektering> för <Analys> är inställd på <Aktivera>, men inga meddelanden via e-post når mig, även om en analyshändelse har uppstått.	• Verifiera inställningarna i följande sekvens: A. Kontrollera inställningarna för <Datum och tid>. B. <Rörelsedetektering> ska ställas in på <Aktivera>. C. Kontrollera om alternativet <e-post> för <Händelseinställningar> har markerats för användning.
Kan inte lagra på Micro SD-minneskort.	• Kontrollera om det finns fel på minneskortet.
Micro SD-minneskortet är isatt men kameran fungerar inte som den ska.	• Kontrollera om minneskoret har satts i på rätt håll. Användning av minneskorts som har formaterats av andra enheter garanteras inte med den här kameran. • Formatera minneskortet igen i <Inställningar> → <Händelse> → <Lagring>.
Kan inte spela in i NAS.	• Bekräfta att informationen som är registrerad i NAS är korrekt.
Den rapporterar att inställning av NAS har misslyckats.	• Bekräfta att NAS-enhetens IP-adress är giltig. • Bekräfta att NAS-enhetens ID och lösenord är giltiga. • Bekräfta att du får åtkomst till mappen som har tilldelats som huvudmapp med hjälp av NAS-enhetens ID. • Bekräfta att alternativen NAS SMB/CIFS inte är ikryssade. • Bekräfta att NAS-enhetens IP-adress och kamerans IP-adress har samma format. T.ex.) Initialvärdet för NAS-enhetens och kamerans subnätmask är 255.255.255.0. Om IP-adressen är 192.168.20.32 ska NAS-enhetens IP-adress vara i intervallet 192.168.20.1~192.168.20.255. • Kontrollera om du har försökt få åtkomst som en annan användare utan att formatera huvudmappen som sparad eller använd. • Bekräfta att du använder rekommenderad NAS-utrustning.

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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	
mtd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtd-utils
mii-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	

LGPL SW

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

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Version 2, June 1991

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- Version 1.1

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

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

Article 1. Scope of License Agreement

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.

Article 2. Definition

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.

4. "Compiler-dependent Part" means the part of the Source Code which depends on compiler 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.

5. "Header File" means the part of the Source Code which contains definitions necessary to develop application programs.

6. "T-Engine Hardware" means the hardware which is manufactured in accordance with the T-Engine Hardware specifications or the µT-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.

8. "Ported Source Code" means a source program produced from the Source Code by modifying only its Hardwaredependent Part and/or Compiler-dependent Part to enable it to be operated on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware. The Ported Source Code which is registered with T-Engine Forum shall be included in the Source Code.

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.

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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.

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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.

18. "Source Code User" means a person who uses the Source Code.

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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 copy and/or modify the Source Code provided by T-Engine Forum hereunder for its own research, development and the like.

2. to run the Source Code provided by T-Engine Forum hereunder for its own research, development and the like.

3. to run the Source Code modified in accordance with the provision of Article 4.3 (1) above for its own research, development and the like.

4. to distribute the Binary Code created from the Source Code provided by T-Engine Forum hereunder or from the Source Code modified in accordance with the provision of Article 4.3 (1) above.

4. In accordance with the license granted under Article 4.1 above, the System Developer may perform the following acts:

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.

5. The Source Code User and the System Developer shall be obligated to give a notice that the Source Code is used, in such a way as separately specified by T-Engine Forum, when they use the Source Code or the Binary Code, or make the Binary Code available for the End User on the Embedded Product.

Article 5. Distribution of Modified Source Code

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.

2. The Distributor of Modification may create the Modified Source Code based on the Source Code provided by T-Engine Forum and the Patch for Modification to be applied to create such Modified Source Code from the Source Code.

3. The Distributor of Modification shall, prior to the distribution, inform T-Engine Forum of and register a name and description of the Modified Source Code in such a way as specified by T-Engine Forum.

4. The Distributor of Modification shall determine the name of the Modified Source Code subject to the rules separately established by T-Engine Forum and publish an appropriate notice as required by the rules on the Patch for Modification and the Modified Source Code.

5. The Distributor of Modification may distribute the Modified Source Code to a third party, whether with or without payment, provided that the Distributor of Modification shall take the necessary measures to prohibit the third party from making the re-Distribution of the Modified Source Code.

6. Developer with the Patch for Modification. Provided, however, that the Distributor of Modification shall be obligated to confirm that the System Developer is the Source Code User duly licensed under Article 4.1.

7. The Distributor of Modification may perform the Vicarious Execution of Patch Processing for the System Developer.

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.

9. The System Developer may, under the same obligation as imposed in Article 4.5, make the Embedded Product available for the End User through use of the Patch for Modification distributed by the Distributor of Modification or the Derivative Works obtained through the Vicarious Execution of Patch Processing.

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 Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware:

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.

Article 8. Limited Warranty

1. T-Engine Forum and the copyright holder of the Source Code warrant that the Source Code does not infringe third party's copyrights. Provided, however, that T-Engine Forum and the copyright holder of the Source Code make no warranty as to the Hardware-dependent Part and/or Compiler- dependent Part set forth in Article 6.2 in the Ported Source Code by any third party.

2. Neither T-Engine Forum nor the copyright holder of the Source Code warrants that the Source Code will fit for any particular purpose of the Source Code User.

3. Neither T-Engine Forum nor the copyright holder of the Source Code warrants that the Source Code does not infringe any third party's industrial property rights. In no event shall T-Engine Forum and the copyright holder of the Source Code be liable for any dispute which may arise between the Source Code User and a third party in connection with the third party's industrial property rights.

Article 9. Indemnity

1. Neither T-Engine Forum nor the copyright holder of the Source Code shall be liable for any damages (including, but not limited to, damages resulting from loss of profit, business interruption, loss of business information or any other pecuniary damage) arising out of use or impossibility of use of the Source Code, even if T-Engine Forum and the copyright holder have been informed of the possibility of such damages.

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2. In case of breach of this License Agreement by a member of T-Engine Forum, T-Engine Forum may take appropriate measures against the member; for example, the member is disqualified from membership, depending on what kind of breach has been committed by it.

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.

Article 11. Governing Law and Language

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

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Iperf performance test

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Feng Qin

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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 (deflate format) and rfc1952.txt (gzip format).



Hanwha Techwin värnar om miljön i alla produkttillverkningssteg och vidtar ett antal åtgärder för att erbjuda kunderna miljövänligare produkter.
Eco-märkningen symboliserar Hanwha Techwin strävan att skapa miljövänligaprodukter och visar att produkten uppfyller EU RoHS Directive.



Korrekt avfallshantering av produkten (elektriska och elektroniska produkter)

Denna markering på produkten, tillbehören och i manualen anger att produkten och de elektroniska tillbehören (t.ex. laddare, headset, USB kabel) inte bör sorteras tillsammans med annat hushållsavfall när de kasseras. Till förebyggande av skada på miljö och hälsa bör dessa föremål hanteras separat för ändamålsenlig återvinning av beståndsdelarna.

Hushållsanvändare bör kontakta den återförsäljare som sålt produkten eller sin kommun för vidare information om var och hur produkten och tillbehören kan återvinnas på ett miljösäkert sätt.

Företagsanvändare bör kontakta leverantören samt verifi era angivna villkor i köpekontraktet. Produkten och de elektroniska tillbehören bör inte hanteras tillsammans med annat kommersiellt avfall.



Korrekt avfallshantering av den här produktens batterier

(Gäller i EU och andra europeiska länder med separata insamlingssystem för batterier.)

Märkningen på batteriet, manualen eller förpackningen visar att batterierna i den här produkten inte får slängas i hushållssoporna vid livsslut. Det kan finnas en märkning med de kemiska symbolerna Hg, Cd eller Pb vilket visar att batteriet innehåller kvicksilver, kadmium eller bly över referensnivåerna i EU-direktivet 2006/66. Om batterierna inte avfallshanteras korrekt kan dessa ämnen orsaka skador på människors hälsa eller på miljön.
För att skydda våra naturresurser och främja återvinning ska batterierna separeras från andra typer av avfall och återvinnas via det lokala återvinningssystemet.


Hanwha
Techwin