SAMSUNG TECHWIN

NETVÆRKSKAMERA

Brugervejledning

SNO-7080R

CE

SAMSUNG

Netværkskamera

Brugervejledning

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- **Design og specifikationer kan ændres uden forudgaende varsel.**
- **Standardadgangskoden kan blive eksponeret for hackertrusler, så det anbefales at skifte adgangskode efter installation af produktet.**
  Bemærk, at sikkerhed og andre relaterede problemstillinger forårsaget af uændret adgangskode er brugerens ansvar.

VIGTIGE SIKKERHEDSINSTRUKTIONER

1. Læs disse instruktioner.
2. Gem disse instruktioner.
3. Vær opmærksom på alle advarsler.
4. Følg alle instruktioner.
5. Brug ikke dette udstyr nær vand.
6. Brug kun en tør klud til rengøring.
7. Blokér ikke nogen ventilationsåbning, og installér i overensstemmelse med fabrikantens instruktioner.
8. Installer ikke tæt på varmekilder, som f.eks. radiatorer, varmeovne eller andre afspillere (herunder forstærkere), der afgiver varme.
9. Et polariseret stik eller et stik med jordforbindelse har et vigtigt sikkerhedsformål. Et polariseret stik har to ben, hvor det ene er bredere end det andet. Et stik med jordforbindelse har to ben og en tredje “tand” til jordforbindelsen. Det brede ben eller den tredje “tand” findes af hensyn til din sikkerhed. Hvis det leverede stik ikke passer til din stikkontakt, skal du konsultere en elektriker for at få en erstatning for det forkerte stik.
10. Sørg for, at du ikke bøjer eller trykker på netledningen, specielt ved stikkene, på opbevaringssteder og det sted, hvor den udgår fra afspilleren.
11. Brug kun tilbehør, der er specificeret af fabrikanten.
12. Brug kun rullebord, sokkel stativ, ophæng eller bord, som anbefalet af fabrikanten, eller der sælges sammen med afspilleren. Når der anvendes et rullebord, skal du være forsigtig, når du flytter rullebordet/afspilleren for at forhindre skade pga. tippende apparater.

13. Tag ledningen ud af afspilleren ved uvejr med lyn og torden, eller hvis den ikke skal anvendes i længere tid.
14. Overlad al service til uddannet servicepersonale. Service er nødvendig, hvis afspilleren er blevet beskadiget på nogen måde, som f.eks. beskadiget netledning eller stik, hvis der er spildt væske, hvis der er kommet objekter ind i afspilleren, hvis afspilleren har været udsat for regn eller fugt, fungerer unormalt eller er blevet tabt på gulvet.

ADVARSEL

DETTE PRODUKT MÅ IKKE UDSÆTTES FOR REGN ELLER FUGT, DA DER ER RISIKO FOR BRAND ELLER ELEKTRISK STØD.
INDFØR IKKE METALGENSTANDE GENNEM VENTILATIONSRISTEN ELLER ANDRE ÅBNINGER PÅ UDSTYRET.

Apparatet må ikke udsættes for dryp eller sprøjt, og ingen genstande, der er fyldt med væske, f.eks. vaser, må anbringes på apparatet.

For at forhindre skader skal dette apparat fastgøres sikkert til væggen/gulvet i overensstemmelse med installationsinstruktionerne.

FORSIGTIG

FORSIGTIG

RISIKO FOR ELEKTRISK STØD MÅ IKKE ÅBNES

FORSIGTIG : FOR AT MINDSKE RISIKOEN FOR ELEKTRISK STØD. FJERN IKKE DÆKSEL (ELLER BAGBEKLÆDNING). DER ER INTET INDENI, DER KAN REPARERES AF BRUGEREN. OVERLAD SERVICE TIL KVALIFICERET SERVICEPERSONALE.

FORKLARING PÅ GRAFISKE SYMBOLER

Lynet med pilen i trekanten har til formål at advare brugeren mod tilstedeværelse af "farlig spænding" inde i produktets kabinet, som kan være i en sådan størrelsesorden, at den kan udgøre en risiko for, at personer kan få elektrisk stød.

Udråbstegnet i trekanten har til hensigt at advare brugeren mod tilstedeværelse af vigtige drifts- og vedligeholdelses-(service) instruktioner i den dokumentation, som følger med produktet.

Batteri

Batterier (batteripakker eller installerede batterier) må ikke udsættes for stor varme, f.eks. solskin, ild eller lignende.

Forkert udskiftning af batteriet kan medføre eksplosionsrisiko.
Udskift kun med den samme eller en tilsvarende type.

Frakobling af enheden

Tag stikkontakten ud af apparatet, hvis det er defekt. Ring derefter til en reparatør i nærheden.

Når det anvendes uden for USA, kan der anvendes HAR-kode med beslag fra en certificeret servicevirksomhed.

FORSIGTIG

Serviceinstruktionerne er kun til brug af uddannet servicepersonale.
Du må ikke udføre anden service end den, der omtales i driftsinstruktionerne, medmindre du har de fornødne kvalifikationer, da der er risiko for elektrisk stød.

Produktets BNC Out-stik er beregnet til nemmere installation, og anbefales ikke til overvågningsformål.
Hvis du bevarer BNC-kablet tilsluttet, er der risiko for, at lys kan medføre skade eller fejlfunktion på produktet.

Anvend tilslutningsstrøm med kun ét kamera: Andre enheder må ikke være tilsluttet.

oversigt

Læs omhyggeligt følgende anbefalede sikkerhedsforanstaltninger.

- Anbring ikke apparatet på en ujævn overflade.
- Anbring ikke apparatet på en overflade, hvor det udsættes for direkte sollys, eller i nærheden af varmeudstyr eller et område med stor kulde.
- Anbring ikke dette apparat i nærheden af elektrisk ledende materiale.
- Forsøg ikke selv at udføre service på dette apparat.
- Anbring ikke et glas vand på produktet.
- Anbring ikke produktet tæt på magnetiske kilder.
- Blokér ikke nogen ventilationsåbning.
- Anbring ikke tunge genstande oven på produktet.

Brugermanualen er en vejledning i, hvordan produkterne anvendes.

De anvendte tegn i bogen har følgende betydning.

- Reference: Der gives informationer om brug af produktet
- Bemærk: Hvis der er risiko for at påføre produkter og mennesker skade, hvis vejledningen ikke følges

※ Læs denne manual igennem, inden produktet tages i brug, og opbevar den et sikkert sted.

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PRODUKTFUNKTIONER

- **Støvtæt/vandtæt (IP66)**
  Det støv- og vandtætte design gør det nemt for dig, når du installerer produktet udendørs eller udsætter det for regn.
- **SSNR3 (Samsung Super Noise Reduction)**
  Den kraftige DSP-chip reducerer forstærkningsstøj effektivt for at fjerne forsinkelsen, så den kan levere et skarpt og tydeligt billede ved scener med lav kontrast.
- **Dag og nat (ICR)**
  Detekterer automatisk tidens skiften over dagen og skifter til en tilstand, der er relevant for den aktuelle scene. Ved en dagslysscene skiftes der til farvetilstand for at bevare de optimale farvetoner, mens der om natten skiftes til S-H-tilstand for at kunne identificere scener med lav kontrast.
- **IR-tilstand**
  Hvis IR-indikatoren tændes, skifter produktet til IR-tilstand for et forhindre, at en genstand bliver for lys, og det hjælper dig med at identificere genstanden på kort afstand.
- **Synlighed: 30 m**
  I S-H-tilstand tænder IR-indikatoren ved en effektiv synlighed på 30 m ved 0 Lux.
- **SSDR (Samsung Super Dynamic Range)**
  Ved en scene, der har en stor kontrastforskel, som f.eks. en modlysscene, bevarer produktet de lyse områder og gør selektivt de mørke områder lysere for at balancere den overordnede kontrast.
- **Andet**
  Andre funktioner omfatter: HLC (Højlyskompensation), SENS-UP, V-REV, H-REV, D-ZOOM, SKARPHED, Bevægelsesdetek., PRIVAT ZONE.
- **Full HD-videokvalitet**
- **Multi-streaming**
  Dette netværkskamera kan vise videoer i forskellige opløsninger og kvaliteter samtidig ved hjælp af forskellige codecs.
- **Webbrowserbaseret overvågning**
  Bruger webbrowseren til at afspille billedet i et lokalt netværksmiljø.
- **Alarm**
  Hvis der opstår en hændelse, overføres den hændelsesrelaterede video til den FTP/e-mail, som brugeren har angivet, eller den gemmes på SD-hukommelsen, eller signalet for hændelsen sendes til alarmudgangen.
- **Indbygget SD-hukommelse**
  Dette produkt er udstyret med et internt hukommelseskort på 4 GB.
- **Detektering af manipulation**
  Detekterer forsøg på manipulation på videoovervågning.

- **Bevægelsesdetektering**
  Detekterer bevægelse fra kameraets videoindgang.
- **Intelligent videoanalyse**
  Analyserer video for at detektere logiske begivenheder med specificerede betingelser fra kameraets videoindgang.
- **Ansigtsdetektering**
  Genkender et ansigt fra kameraindgangsvideoen.
- **Smart Codec**
  Anvender codecs gennem tilpasning for en del af kameraets synsfelt for at forbedre kvaliteten af en region, som er angivet af brugeren.
- **Autodetektion af afbrudt netværk**
  Registrerer netværksfrakobling inden udløsning af en alarm.
- **Overholdelse af ONVIF**
  Dette produkt understøtter ONVIF.
  Yderligere oplysninger findes på www.onvif.org.

Driving network video through global standardization

ANBEFALEDE PC-SPECIFIKATIONER

- CPU : Intel Core 2 Duo 2,4 GHz eller højere
- Operativsystem : Windows XP, VISTA, 7, Mac OS
- Opløsning : 1280 X 1024 pixels eller højere
- RAM : 2GB eller højere
- Webbrowser : Internet Explorer 7.0 eller nyere, Firefox 3.0 eller nyere, Chrome 8.0 eller nyere, Safari 4.0 eller nyere
  - Hverken en anden betatest-version end den, der findes på virksomhedens hjemmeside, eller udviklingsversionen vil blive understøttet.
  - Det anbefales at slutte til IPv6 i Windows 7.
- Videohukommelse : 256MB eller højere

- Hvis driveren til grafikkortet ikke er installeret korrekt, eller den ikke er den nyeste version, afspilles videoen måske ikke korrekt.
- For et system med mindst 2 skærme kan afspilningsydelsen blive forringet. Det afhænger af systemet.

ANBEFALEDE SD-/SDHC-HUKOMMELSESKORT SPECIFIKATIONER

- 4GB ~ 32GB
- Det anbefales at bruge hukommelseskort med en hastighed på mindst klasse 6.

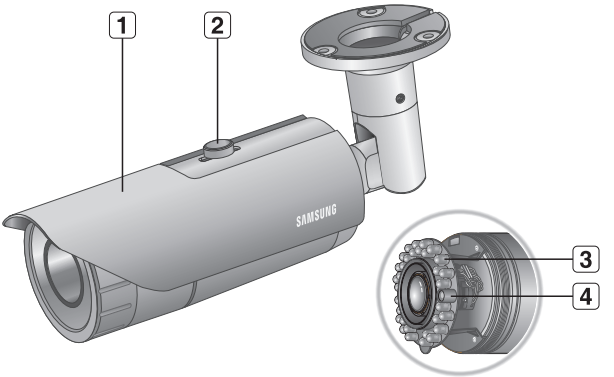
DETTE FØLGER

Kontroller, om kameraet og alt tilbehør medfølger i emballagen.

Udseende	Elementets navn	Antal	Beskrivelse
	Kamera	1	
	Brugervejledning, CD med installationssoftware, DVD med CMS-software	2	
	Hurtig vejledning	1	
	Selvskærende skrue	3	Bruges til installation på væg eller loft
	Unbrakonøgle	1	Anvendes til at justere kameraretningen
	Solskærm	1	Det beskytter kameraet mod direkte sollys.
	Holder til solskærm	1	Den fastgør solskærmen med kameraet.

HURTIGT OVERBLIK

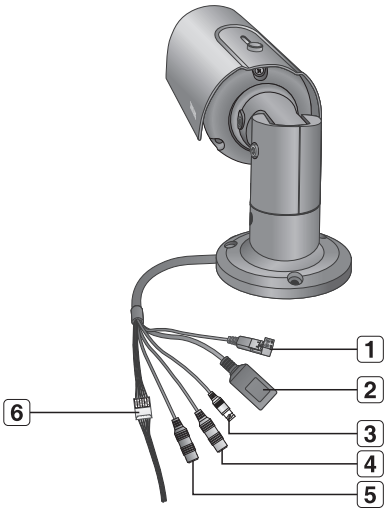
Forside



Element	Beskrivelse
1 **Solskærm**	Det beskytter kameraet mod direkte sollys.
2 **Holder til solskærm**	Den fastgør solskærmen med kameraet.
3 **IR-LED**	Disse infrarøde lysdioder kontrolleres af belysningssensoren.
4 **Belysningssensor**	Registrerer indgående lys for at kontrollere IR LED.

- Hvis objektivets overflade er snavset, tørres det forsigtigt af med en objektivklud, som er påført sprit.

Bagside



Element	Beskrivelse
1 **Strømport**	Her sættes strømkablet i.
2 **Netværksport**	Bruges til at tilslutte et PoE- eller et LAN-kabel.
3 **Videoudgangsport**	Sluttes til skærmen, så du kan kontrollere videoen fra kameraet. (til installation)
4 **Lydindgangsstik**	Bruges til at tilslutte en mikrofon.
5 **Lydudgangsstik**	Bruges til at tilslutte højttalere.

Element	Beskrivelse	
6 I/O Port	ARM-IN	Bruges til at tilslutte alarmsensorindgangen
	GND	Port til jording af eksternt signal.
	ARM-OUT	Bruges til at tilslutte alarmudgangssignalet.
	A-COM	Fælles port, hvor alarmudgangssignalet tilsluttes.
	RESET	Nulstiller kameraindstillingerne til fabriksstandarderne. ■ Afisoler to røde tråde, og hold dem sammen i ca. 10 sekunder for at nulstille produktet.

INFORMATION OM HUKOMMELSESKORTET

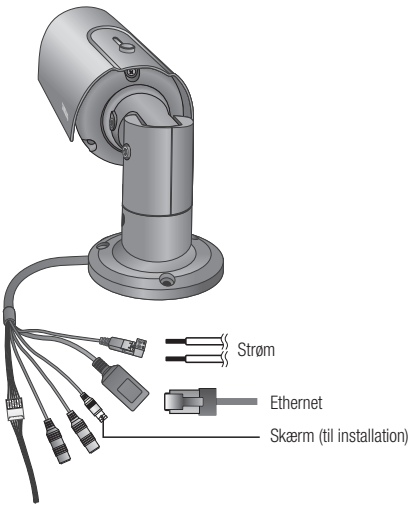
Hvad er et hukommelseskort?

Et hukommelseskort er en ekstern datalagringsenhed, der er blevet udviklet for at give en hel ny måde at optage og dele video-, lyd- og tekstdata på med digitale enheder.

Instruktioner vedr. hukommelseskort

- Dette produkt er udstyret med et internt hukommelseskort på 4 GB.
  Demonter ikke selv dette produkt af årsager som f.eks. vandbeskyttelse.
- Hvis du støder på et problem med installationen: Kontakt producenten for teknisk hjælp.

TILSLUTNING TIL ANDEN ENHED



- Produktets BNC Out-stik er beregnet til nemmere installation, og anbefales ikke til overvågningsformål.
  Hvis du bevarer BNC-kablet tilsluttet, er der risiko for, at lys kan medføre skade eller fejlfunktion på produktet.

Ethernet-forbindelse

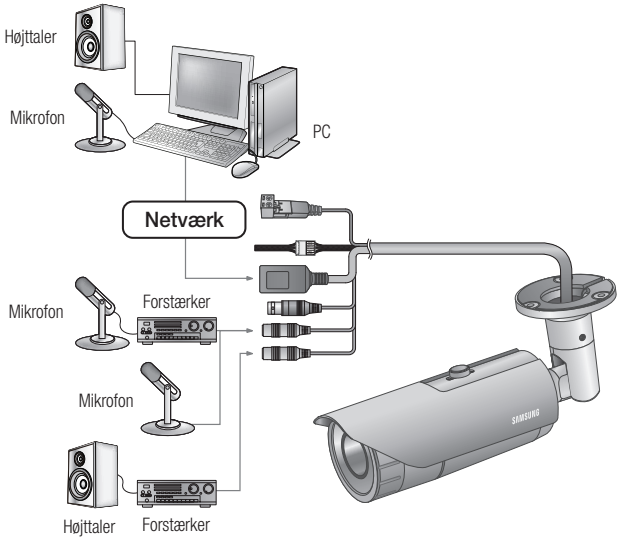
Tilslut Ethernet-kablet til det lokale netværk eller til internettet.

Strømforsyning

Brug skruetrækkeren til at forbinde hver ledning (+, –) på strømkablet til det tilsvarende strømstik på kameraet.

- Pas på ikke at bytte om på polariteten, når du tilslutter strømkablet.
  Du kan også bruge en router med PoE (Power over Ethernet) til at forsyne kameraet med strøm.
- Hvis der tilføres både PoE og 12 V DC, bruger produktet den først tilførte kilde.
- Hvis du bruger PoE og 12 V DC, fungerer varmeren slet ikke.
  Varmeren fungerer kun korrekt, hvis strømkilden er 24 V AC. Adapteren sælges separat.
- 24 V AC kan tilføres uden at tænke på polariteten.
- Brug 24 V AC i et lavtemperaturområde på mindre end -10°C.
- Du skal sikre, at skærmen og kameraet er slukket, når du forbinder dem.

Tilslutning til lydind-/udgang

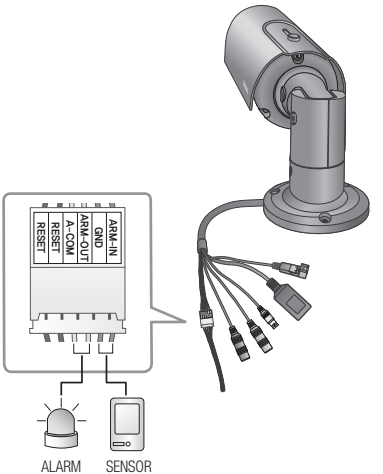


1. Tilslut AUDIO IN-stikket på kameraet direkte til mikrofonen eller LINE OUT-stikket på forstærkeren, som mikrofonen er tilsluttet.
2. Tilslut AUDIO OUT-stikket på kameraet med LINE IN-stikket på højttaleren.
3. Kontroller specifikationerne for lydindgang.

- **Audio-codec**
  G.711 PCM. μ-law 64kbps 8kHz sampling
- **Fuld dobbelt audio**
- **Audio in**
  Anvendes til linjeindgang af monosignal (Maks. 2,4 Vpp)
- **Audio out**
  Anvendes til linjeudgang af monosignal (Maks. 2,4 Vpp)
- **Linjeudgangsimpedans**
  600Ω

Tilslutning af alarmen til I/O-signalet

Tilslut alarmens input/outputsignal med I/O-portene på kablet.



Port	Beskrivelse	Port	Beskrivelse
ARM-IN	Port til alarmsensorinput	**GND**	Port til jording
ARM-OUT	Alarmudgang	**A-COM**	Alarmudgang (fælles)

Sådan tilsluttes alarmindgangssignalet

Slut én tråd fra hver signallinje (2-trådet) fra sensorerne til [**ARM-IN**]-porten, og slut den anden tråd til [**GND**]-porten.

Sådan tilsluttes alarmudgangssignalet

Slut én tråd fra hver signallinje (2-trådet) fra en ekstern enhed til [**ARM-OUT**]-porten, og slut den anden tråd til [**A-COM**]-porten.

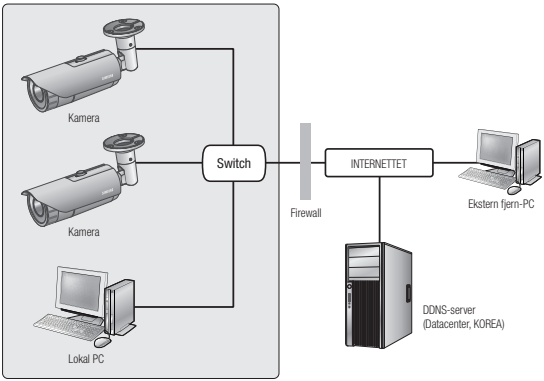
netværksforbindelse og opsætning

Du kan indstille netværksindstillingerne i henhold til dine netværkskonfigurationer.

TILSLUTNING AF KAMERAET DIREKTE TIL LOKALT NETVÆRK

Tilslutning til kameraet fra en lokal pc i LAN

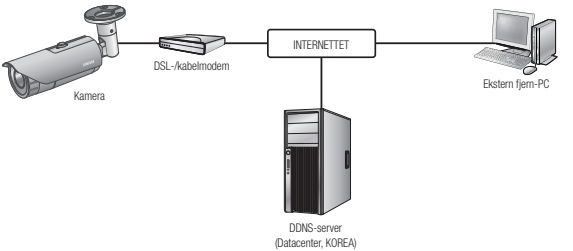
1. Start en internetbrowser på den lokale PC.
2. Angiv IP-adressen på kameraet i browserens adressefelt.



<Lokalt netværk>

- En fjern-pc i et eksternt internet uden for LAN-netværket er muligvis ikke i stand til at oprette forbindelse til kameraet, der er installeret i intranettet, hvis port-forwarding ikke er korrekt indstillet, eller der er en firewall.
  I dette tilfælde skal du kontakte din netværksadministrator for at løse problemet.
- Som standardindstilling tildeles IP-adressen automatisk fra DHCP-serveren. Hvis der ikke er nogen DHCP-server tilgængelig, bliver IP-adressen sendt til 192.168.1.100.
  Brug IP-installationsprogrammet til at ændre IP-adressen.
  For flere detaljer om brug af IP-installationsprogrammet skal du se "**Statisk IP-opsætning**". (side 24)

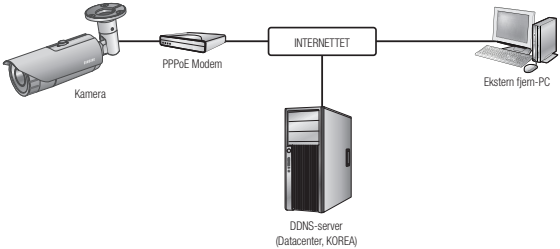
TILSLUTNING AF KAMERAET DIREKTE TIL ET DHCP-BASERET DSL-/KABELMODEM



1. Anvend LAN-krydskablet til at tilslutte netværkskablet direkte til din PC.
2. Kør IP-installationsprogrammet, og ændr kameraets IP-adresse, så du kan bruge webbrowseren på dit skrivebord til at oprette forbindelse til internettet.
3. Brug internetbrowseren til at oprette forbindelse til kameraet.
4. Gå videre til siden [**Setup**].
5. Gå videre til [**Network**] – [**DDNS**], og konfigurer DDNS-indstillingerne.
6. Gå til [**Network**] – [**Interface**], og indstil netværkstypen til [**DHCP**].
7. Tilslut kameraet, der er frakoblet pc'en, direkte til modemmet.
8. Genstart kameraet.

- Se "**Registrering med DDNS**" om registrering af DDNS-indstillingerne. (side 61)
- Se "**DDNS**" om konfiguration af DDNS-indstillingerne. (side 60)
- Se "**Interface**" om indstilling af netværkstype. (side 58)

TILSLUTNING AF KAMERAET DIREKTE TIL ET PPPoE-MODEM

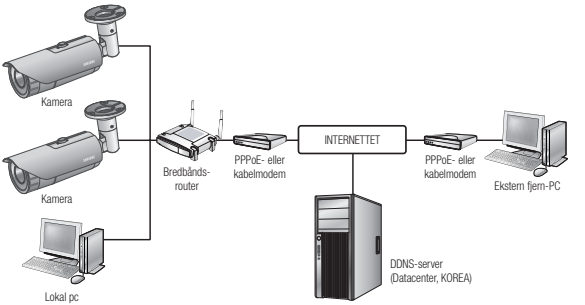


1. Anvend LAN-krydskablet til at tilslutte netværkskablet direkte til din PC.
2. Kør IP-installationsprogrammet, og ændr kameraets IP-adresse, så du kan bruge webbrowseren på dit skrivebord til at oprette forbindelse til internettet.
3. Brug internetbrowseren til at oprette forbindelse til kameraet.
4. Gå videre til siden [**Setup**].
5. Gå videre til [**Network**] – [**DDNS**], og konfigurer DDNS-indstillingerne.
6. Gå til [**Network**] – [**Interface**], og indstil netværkstypen til [**PPPoE**].
7. Tilslut kameraet, der er frakoblet pc'en, direkte til modemmet.
8. Genstart kameraet.

- Se "**Registrering med DDNS**" om registrering af DDNS-indstillingerne. (side 61)
- Se "**DDNS**" om konfiguration af DDNS-indstillingerne. (side 60)
- Se "**Interface**" om indstilling af netværkstype. (side 58)

TILSLUTNING AF KAMERAET TIL EN BREDBÅNDS-ROUTER MED PPPoE-/KABELMODEMMET

Dette gælder for et lille netværksmiljø, f.eks. private hjem, hjemmekontorer og almindelige butikker.



Konfiguration af netværksindstillinger på den lokale pc tilsluttet en Bredbånds-router

Følg nedenstående instruktioner for at konfigurere netværksindstillingerne på den lokale pc tilsluttet en Bredbånds-router

- Vælg : <**Netværkskvarter**> → <**Egenskaber**> → <**Tilslutning til lokalt område**> → <**Egenskaber**> → <**Generelt**> → <**Internetprotokol (TCP/IP**)> → <**Egenskaber**> → <**Få automatisk en IP-adresse**> eller <**Brug følgende IP-adresse**>.
- Følg nedenstående instruktioner, hvis du vælger <**Brug følgende IP-adresse**>:

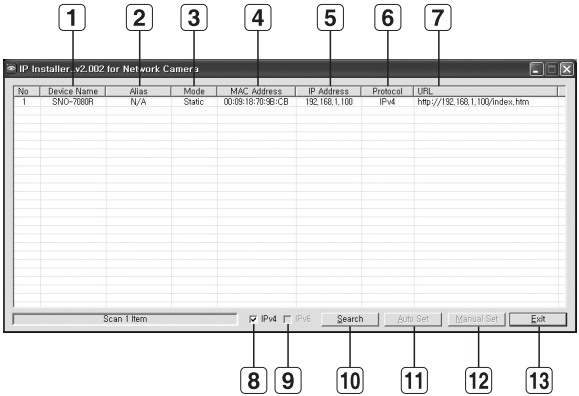
  eks.1) Hvis (LAN IP) Bredbånds-routerens adresse er 192.168.1.1
  IP-adresse : 192.168.1.100
  Undernetmaske : 255.255.255.0
  Standardgateway : 192.168.1.1

  eks.2) Hvis (LAN IP) Bredbånds-routerens adresse er 192.168.0.1
  IP-adresse : 192.168.0.100
  Undernetmaske : 255.255.255.0
  Standardgateway : 192.168.0.1

  eks.3) Hvis (LAN IP) Bredbånds-routerens adresse er 192.168.xxx.1
  IP-adresse : 192.168.xxx.100
  Undernetmaske : 255.255.255.0
  Standardgateway : 192.168.xxx.1

- Bredbånds-routerens adresse findes i dokumentationen til produktet.
- For flere informationer om port-forwarding på bredbåndsrouteren: Se "**Opsætning af videresendelse af portinterval (porttilknytning)**". (side 29)

ANVENDTE KNAPPER I IP-INSTALLATIONSPROGRAMMET



Element	Beskrivelse
1 **Device Name**	Modelnavn på det tilsluttede kamera. Klik på kolonnen for at sortere listen efter modelnavn. Søgningen stopper dog, hvis du klikker under søgningen.
2 **Alias**	Denne funktion er pt. ikke implementeret.
3 **Mode**	Viser enten <**Static**>, <**Dynamic**> eller <**PPPoE**> for den nuværende netværksstatus.
4 **MAC(Ethernet) Address**	Ethernet-adressen på det tilsluttede kamera. Klik på kolonnen for at sortere listen efter Ethernet-adresse. Søgningen stopper dog, hvis du klikker under søgningen.
5 **IP Address**	Det er en IP-adresse angivet i kameraet. Klik på kolonnen for at sortere listen efter IP-adresse. Søgningen stopper dog, hvis du klikker under søgningen.
6 **Protocol**	Netværksindstillinger for kameraet. Fabriksindstillingen er "IPv4". Kameraer med IPv6-indstillingen vises som "IPv6".

Element	Beskrivelse
7 URL	DDNS URL-adresse, der giver mulighed for adgang fra det eksterne internet. Den erstattes dog af kameraets <**IP Address**>, hvis DDNS-registreringen ikke lykkes.
8 IPv4	Scanner kameraet efter IPv4-indstillingen.
9 IPv6	Scanner kameraet efter IPv6-indstillingen. Kun aktiveret i et IPv6-kompatibelt miljø.
10 Search	Scanner efter kameraer, der er tilsluttet til netværket. Denne knap er dog grå, hvis hverken IPv4 eller IPv6 er markeret.
11 Auto Set	IP-installationsprogrammet konfigurerer automatisk netværksindstillingerne.
12 Manual Set	Du skal konfigurere netværksindstillingerne manuelt.
13 Exit	Afslutter IP-installationsprogrammet.

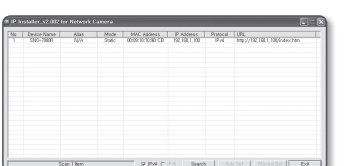
- Angående IP-installationsprogrammet skal du kun bruge den version af installationsprogrammet, der leveres med installations-cd'en eller den seneste version, hvis den er tilgængelig.
  Du kan downloade den nyeste version fra Samsungs website (www.samsungcctv.com).

STATISK IP-OPSÆTNING

Manuel netværksopsætning

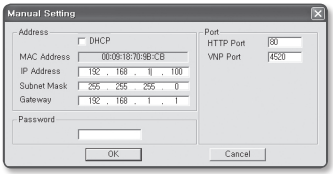
Kør <**IP Installer_v2.XX.exe**> for at få vist kameraets søgeliste.
Efter den første opstart bliver både [**Auto Set**] og [**Manual Set**] grå.

- For kameraer fundet med IPv6-indstillingen er disse knapper grå, da kameraerne ikke understøtter denne funktion.



1. Vælg et kamera på søgelisten.
   Kontroller kameraets MAC-adresse på kameraets etiket.
   Både knappen [**Auto Set**] og [**Manual Set**] aktiveres.
2. Klik på [**Manual Set**].
   Dialogboksen Manual Setting vises.
   Kameraets standardværdier for <**IP Address**>, <**Subnet Mask**>, <**Gateway**>, <**HTTP Port**> og <**VNP Port**> vises.

3. I ruden <**Address**> angives de nødvendige oplysninger.
   - MAC (Ethernet) Address : MAC-adressen, som er trykt på kameraets etiket, vises automatisk og kræver ikke brugerindstilling.

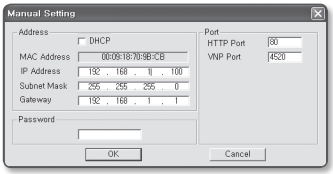


- Du kan kun konfigurere indstillingerne for den statiske IP, hvis DHCP-afkrydsningsfeltet ikke er markeret.

Hvis du ikke bruger en Bredbånds-router

Kontakt din netværksadministrator for indstillingen <**IP Address**>, <**Subnet Mask**> og <**Gateway**>.

4. I ruden <**Port**> angives de nødvendige oplysninger.
   - HTTP Port : Bruges til at få adgang til kameraet med internetbrowseren, standard er 80.
   - VNP Port : Bruges til at kontrollere videosignaloverførsel, standard er 4520.



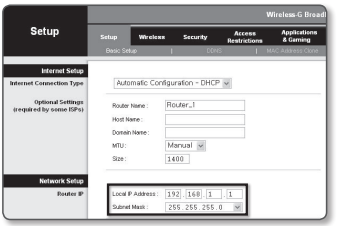
5. Indtast adgangskoden.
   Angiv adgangskoden for kontoen "**admin**", som blev brugt til at få adgang til kameraet.
   Standardadgangskoden er "**4321**".

- Standardadgangskoden kan blive eksponeret for hackertrusler, så det anbefales at skifte adgangskode efter installation af produktet.
  Bemærk, at sikkerhed og andre relaterede problemstillinger forårsaget af uændret adgangskode er brugerens ansvar.
- Hvis du vil ændre adgangskoden, skal du se "**Ændring af administrator-adgangskode**" i brugeropsætningen. (side 83)

6. Klik på [**OK**].
   Den manuelle netværksopsætning afsluttes.

Hvis du bruger en Bredbånds-router

- IP Address : Indtast en adresse inden for IP-området leveret af Bredbånds-routeren.
  eks.) 192.168.1.2~254,
  192.168.0.2~254,
  192.168.XXX.2~254
- Subnet Mask : Bredbånds-routerens <**Subnet Mask**> er kameraets <**Subnet Mask**>.
- Gateway : Bredbånds-routerens <**Local IP Address**> er kameraets <**Gateway**>.



- Indstillingerne kan være forskellige alt efter modellen af den tilsluttede Bredbånds-router. Yderligere oplysninger findes i den pågældende routers brugervejledning.
- For flere informationer om port-forwarding på bredbåndsrouteren: Se "**Opsætning af videresendelse af portinterval (porttilknytning)**". (Side 29)

Hvis Bredbånds-routeren har mere end et kamera tilsluttet

Konfigurer de IP-relaterede indstillinger og de port-relaterede indstillinger tydeligt med hinanden.

eks.)

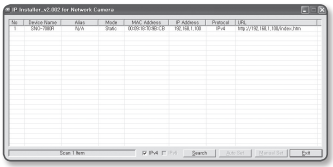
Kategori		Kamera #1	Kamera #2
IP-relaterede indstillinger	IP Address Subnet Mask Gateway	192.168.1.100 255.255.255.0 192.168.1.1	192.168.1.101 255.255.255.0 192.168.1.1
Port-relaterede indstillinger	HTTP Port VNP Port	8080 4520	8081 4521

- Hvis <**HTTP Port**> er indstillet til andet end 80, skal du angive nummeret på <**Port**> i adressefeltet i internetbrowseren, inden du kan få adgang til kameraet.
  eks.) http://IP-adresse: HTTP-port
  http://192.168.1.100:8080

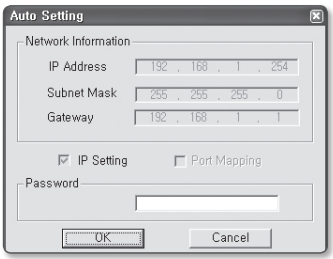
Automatisk netværksopsætning

Kør <**IP Installer_v2.XX.exe**> for at få vist kameraets søgeliste.
Efter den første opstart bliver både [**Auto Set**] og [**Manual Set**] grå.

- For kameraer fundet med IPv6-indstillingen er disse knapper grå, da kameraerne ikke understøtter denne funktion.



1. Vælg et kamera på søgelisten.
   Kontroller kameraets MAC-adresse på kameraets etiket.
   Både knapperne [**Auto Set**] og [**Manual Set**] aktiveres.
2. Klik på [**Auto Set**].
   Dialogboksen Auto Setting vises.
   <**IP Address**>, <**Subnet Mask**> og <**Gateway**> indstilles automatisk.
3. Indtast adgangskoden.
   Angiv adgangskoden for kontoen "**admin**", som blev brugt til at få adgang til kameraet.
   Standardadgangskoden er "**4321**".



- Standardadgangskoden kan blive eksponeret for hackertrusler, så det anbefales at skifte adgangskode efter installation af produktet.
  Bemærk, at sikkerhed og andre relaterede problemstillinger forårsaget af uændret adgangskode er brugerens ansvar.
- Hvis du vil ændre adgangskoden, skal du se "**Ændring af administrator-adgangskode**" i brugeropsætningen. (side 83)

4. Klik på [**OK**].
   Den automatiske netværksopsætning afsluttes.

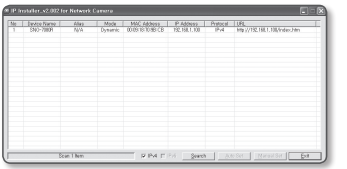
DYNAMISK IP-OPSÆTNING

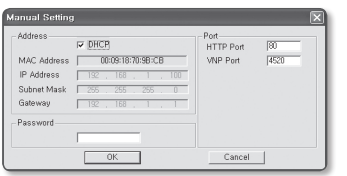
Dynamisk IP-miljøopsætning

- Eksempel på dynamisk IP-miljø
  - Hvis en Bredbånds-router med tilsluttede kameraer tildeles en IP-adresse af DHCP-serveren
  - Hvis kameraet tilsluttes direkte til modem med DHCP-protokollerne
  - Hvis der tildeles IP'er af den interne DHCP-server via LAN

Kontrol af den dynamiske IP

1. Kør IP-installationsprogrammet på brugerens lokale computer.
   Kameraer, som tildeles <**Dynamic IP**>-adresse vises på listen.
2. Vælg et kamera fra søgeresultatet.
3. Klik på knappen [**Manual Set**], og kontroller kameraets <**Dynamic IP**>-adresse.
   Hvis du fjerner afkrydsningen <**DHCP**>, kan du ændre IP til <**Static**>.

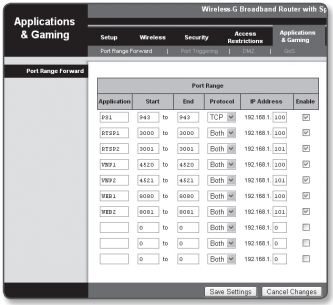




OPSÆTNING AF VIDERESENDELSE AF PORTINTERVAL (PORTTILKNYTNING)

Hvis du har installeret en Bredbånds-router med tilsluttet kamera, skal du angive portinterval fremad på Bredbånds-routeren, så en fjern-pc kan få adgang til kameraet.

Manuel videresendelse af portinterval



1. Vælg <**Applications & Gaming**> - <**Port Range Forward**> i opsætningsmenuen på Bredbånds-routeren.
   Se Bredbånds-routerens vejledning for oplysninger om, hvordan videresendelse af portintervallet indstilles for en tredjeparts-Bredbånds-router.
2. Vælg <**TCP**> og <**UDP Port**> for hvert kamera, der er tilsluttet til Bredbånds-routeren.
   Hvert portnummer til bredbåndsrouteren skal passe til det, der er angivet i <**Setup**> - <**Network**> - <**Port**> i kameraets webfremvisermenu.
3. Klik bagefter på [**Save Settings**].
   Dine indstillinger gemmes.

- Ovenstående eksempelinstruktioner er baseret på CISCO's Bredbånds-router.
- Indstillingerne kan være forskellige alt efter modellen af den tilsluttede Bredbånds-router. Yderligere oplysninger findes i den pågældende routers brugervejledning.

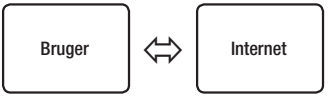
Indstilling af område til port-forwarding for flere netværkskameraer

Hvis der er sluttet flere netværkskameraer til én Bredbånds-router, bør du videresende TCP-port 943 på routeren til TCP-port 943 på et tilsluttet kamera.

- Hvis du ikke korrekt indstiller TCP-port 943 på routeren, kan du ikke få nogen videostream fra kameraets webside.

- TCP-port 943 er en port til et kameras Silverlight-policy-server.
- Du kan indstille en regel for port-forwarding af Bredbånds-router-enheden på dens webside til konfiguration.
- Du kan ikke ændre Silverlight-policy-serverens port på et kamera.
- Med undtagelse af policy-serverporten kan du ændre kameraets porte på dens webside til konfiguration.

Når Kamera1 og Kamera2 er sluttet til en router :



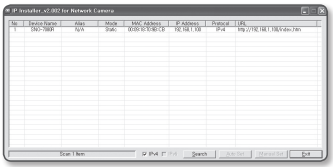
Bredbånds-router			
Start	Afslut	Protokol	IP-adresse
943	943	TCP	192.168.1.100
3000	3000	TCP/UDP	192.168.1.100
3001	3001	TCP/UDP	192.168.1.101
4520	4520	TCP/UDP	192.168.1.100
4521	4521	TCP/UDP	192.168.1.101
8080	8080	TCP/UDP	192.168.1.100
8081	8081	TCP/UDP	192.168.1.101

Kamera1 (192.168.1.100)	
HTTP-port	8080
Enhedsport	4520
RTSP-port	3000
Policy-serverport	943

Kamera2 (192.168.1.101)	
HTTP-port	8081
Enhedsport	4521
RTSP-port	3001
Policy-serverport	943

TILSLUTNING TIL KAMERAET FRA EN DELT LOKAL PC

1. Kør IP-installationsprogrammet.
   Det scanner efter tilsluttede kameraer og viser en liste over dem.
2. Dobbeltklik på et kamera for at få adgang til det.
   Internetbrowseren starter og opretter forbindelse til kameraet.



- Du kan også få adgang til kameraet ved at indtaste IP-adressen fundet på kameraet i internetbrowserens adressefelt.

TILSLUTNING TIL KAMERAET FRA EN FJERN-PC VIA INTERNETTET

Da brug af IP-installationsprogrammet på en fjerncomputer, der ikke er i Bredbånds-routerens netværksklynge, ikke er tilladt, kan brugere tilgå kameraer i en Bredbånds-routers netværk ved at bruge kameraets DDNS-URL.

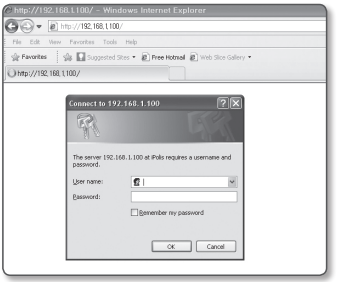
1. Inden du kan få adgang til et kamera i Bredbånds-routernetværket, skal du have indstillet videresendelse af portintervallet for Bredbånds-routeren.
2. Start internetbrowseren på fjern-pc'en, og indtast kameraets DDNS URL-adresse eller Bredbånds-routerens IP-adresse i adressefeltet.
   eks.) http://www.samsungipolis.com/[Produkt-ID]

- Se “**Registrering med DDNS**” om registrering af DDNS-indstillingerne. (side 61)

TILSLUTNING TIL KAMERAET

Normalt vil du gøre følgende

1. Start internetbrowseren.
2. Indtast kameraets IP-adresse på adresselinjen.
   eks.) • IP address (IPv4) : 192.168.1.100
   → http://192.168.1.100
   - login-dialogen vises.
   • IP address (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111
   → http://[2001:230:abcd:ffff:0000:0000:ffff:1111] - login-dialogen vises.



Hvis HTTP-porten ikke har værdien 80

1. Start internetbrowseren.
2. Indtast kameraets IP-adresse og HTTP-portnummer på adresselinjen.
   eks.) IP address : 192.168.1.100:HTTP Port number(8080)
   → http://192.168.1.100:8080 - login-dialogen vises.

Brug af URL

1. Start internetbrowseren.
2. Indtast kameraets DDNS-URL på adresselinjen.
   eks.) URL address : http://www.samsungipolis.com/[Produkt-ID]
   - login-dialogen vises.

▪ Sådan kontrolleres DDNS-adressen

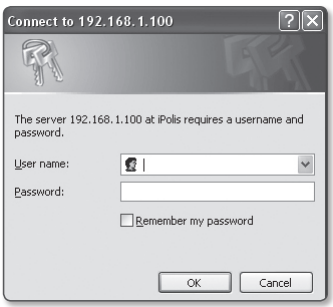
Hvis kameraet er tilsluttet direkte til et DHCP-kabelmodem, DSL-modem eller PPPoE-modem, vil IP-adressen på dit netværk ændres, hver gang du forsøger at oprette forbindelse til ISP-serveren (internetudbyderens server).
Hvis dette er tilfældet, vil du ikke blive informeret om, at IP-adressen ændres af DDNS.

Når du tilmelder en dynamisk IP-baseret enhed til DDNS-serveren, kan du nemt tjekke den ændrede IP, når du forsøger at få adgang til enheden.
For at registrere enheden på <**DDNS**>-serveren skal du besøge www.samsungipolis.com og registrere enheden først og derefter indstille <**Network**> - <**DDNS**> for Web Viewer til <**Samsung DDNS**> samt angive det <**Produkt-ID**>, som blev brugt til DDNS-registrering.

LOG PÅ

Når som helst, du tilgår kameraet, vises log ind-vinduet.
Indtast bruger-id'et og adgangskoden for at tilgå kameraet.

1. Indtast "**admin**" i indtastningsfeltet <**User Name**>.
   Administrator-id'en "**admin**" er fast og kan ikke ændres.
2. Indtast "**4321**" i indtastningsfeltet <**Password**>.
   Hvis adgangskoden er ændret, skal du indtaste den ændrede adgangskode i stedet.
3. Klik på [**OK**].
   Hvis du er logget på, vil du se Live Viewer-skærmen.



- Standard-bruger-id er "**admin**", og standard-adgangskoden er "**4321**".
- Af sikkerhedsgrunde skal du ændre adgangskoden i <**System**> - <**Bruger**>.
- Standardadgangskoden kan blive eksponeret for hackertrusler, så det anbefales at skifte adgangskode efter installation af produktet.
  Bemærk, at sikkerhed og andre relaterede problemstillinger forårsaget af uændret adgangskode er brugerens ansvar.
- Hvis du markerer feltet "**Remember my password**", når du har foretaget din indtastning, logges du på automatisk uden at blive bedt om at indtaste login-oplysninger fra og med næste gang.

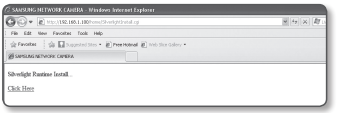
- Du får den bedste videokvalitet, hvis skærmstørrelsen er 100%. Hvis dette forhold reduceres, kan billedets kanter blive beskåret.

INSTALLATION AF SILVERLIGHT RUNTIME

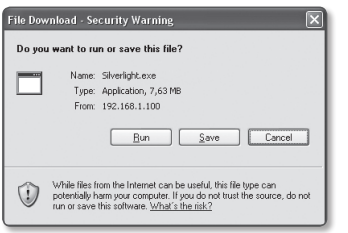
Hvis der ikke er installeret Silverlight Runtime på din pc, eller du kun har installeret en ældre runtime-version, vil du automatisk blive omdirigeret til Silverlight Runtime installationsiden, når du starter web vieweren.

▪ Sådan installerer du på et Windows-operativsystem

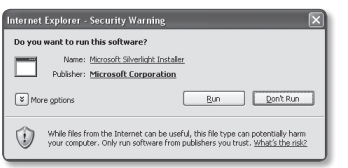
1. Klik på <**Click Here**>.



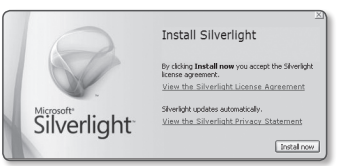
2. Når dialogboksen for filoverførsel åbnes, skal du klikke på <**Run**>.



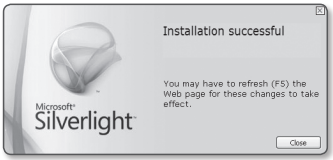
3. Når overførslen er fuldført, skal du klikke på <**Run**>.



4. Silverlight Runtime-installationssiden vises. <**Install now**> for at fortsætte med installationen.



5. Vælg <**Close**>, når du er færdig.

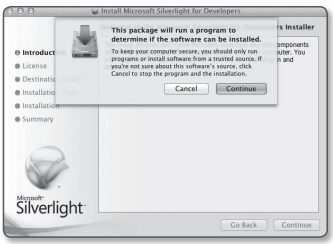


■ Sådan installerer du på MAC OS

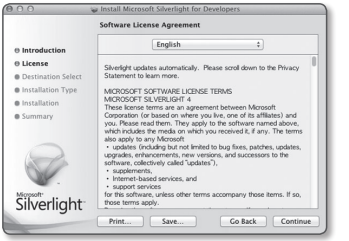
1. Kør filen med filtypenavnet ".dmg".

2. Kør den automatisk oprettede installationspakkefil, som har filtypenavnet ".pkg".

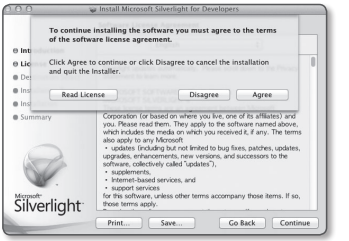
3. Klik på <**Continue**>.



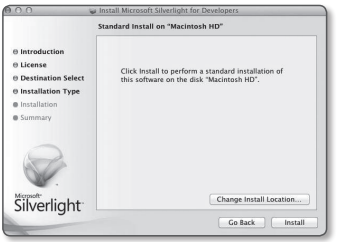
4. Vælg dit sprog på skærmbilledet med sprogvalg, og klik på <**Continue**>.



5. Klik på <**Agree**>.

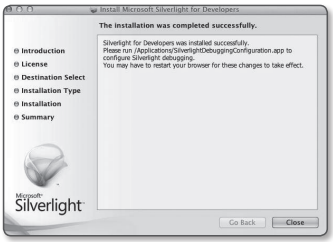


6. Klik på <**Install**>.



7. Angiv adgangskoden til den konto, der aktuelt er logget ind, og klik på <**Install Software**>, og fortsæt.

8. Klik på <**Close**>, når du er færdig.

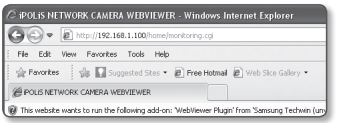


INSTALLATION AF STW WEBVIEWER-PLUGIN'EN

Når du tilslutter kameraet første gang, får du vist installationsmeddelelsen. Installer derefter den nødvendige WebViewer-plug-in for at få adgang til kameraet, og kontrollér videoen derfra i realtid.

- Microsoft Visual C++ 2010 Redistribute Package skal installeres på pc'en, før du kan installere Web viewer plug-in'en. Hvis Visual Studio 2010 ikke er installeret endnu, vises meddelelsen "VC++ 2010 runtime er ikke installeret. Installer runtime-biblioteket" Kør filen vcredist_x86.exe, der kan findes på Samsungs websted på www.samsungcctv.com eller på den medfølgende installations-cd. Filen vcredist_x86.exe er et installationsprogram til Microsofts Visual Studio 2010 Redistributable Package til 32-bit operativsystemer.

1. Ved adgang til startskærmen på overvågningssiden: Klik på den gule advarselsmeddelelse øverst på siden.



2. Klik på <**Run Add-on**>.

3. Pop-up-meddelelsen med sikkerhedsadvarslen vises. Klik på [**Run**].

4. Når Web Viewer-plug-in'en er installeret korrekt, vil du se live-skærmen.

BRUG AF LIVE-SKÆRMEN

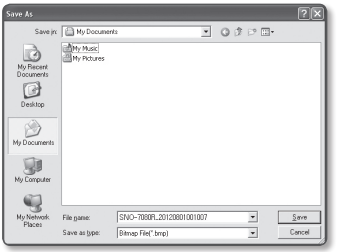
Element	Beskrivelse
1 Overvågning	Flyt til overvågningsskærmen.
2 Afspilning	Skift til overvågningsskærmen, der afspiller optagede data i SD-hukommelsen.
3 Opsætning	Flyt til opsætningsskærmen.
4 Viewer-skærm	Viser Live-videoen på skærmen. ■ Du kan bruge musen til at aktivere digital zoom på Viewer-skærmen.
5 Profiltype	Du kan vælge en profiltype i <**Videoprofil**> under opsætningsmenuen <**Video & Audio**>. ■ Når Web Viewer er tilsluttet, vises den aktuelt anvendte profilinformation.
6 Skærmoptimering	Kameraets videostørrelse skifter til webbrowserens størrelse.
7 Fastsæt opløsningen	Uanset den opløsning, der er konfigureret i kameraet, indstilles opløsningen til 640x480. Tryk igen for at vende tilbage til standardopløsning.

opsætningsskærm

Element	Beskrivelse
8 **Fuld skærm**	Skift den aktuelle video til skærmens maksimale størrelse.
9 **Optag**	Gemmer snapshottet som en billedfil i formatet .bmp eller .jpg.
10 **Lyd-/ mikrofonstyring**	Aktiver/deaktiver lyd og mikrofon, og styr volumen.
11 **Alarmudgang**	Aktiverer alarmudgangen.
12 **Skjul kontekstmenuen**	Kontekstmenuen i venstre hjørne forsvinder, men kun menuikonet.

Sådan optages snapshottet

1. Klik på [**Optag (**)] det motiv, der skal optages. Dialogen til optagelse vises.
2. Bekræft lagringsstien, og klik på knappen [**Save**].
   Skærmbilledet gemmes i den angivne sti.



- Hvis du oplever afbrudte videoer, når du optager billedet med IE8 på en Windows 7-baseret pc: Fravælg "**Slå beskyttet tilstand til**" fra "**Funktioner – Internetindstillinger – Sikkerhed**".

Sådan tilpasses til fuld skærm

1. Klik på knappen [**Fuld skærm (**)].
2. Herved tilpasses Viewer til hele skærmen.
3. Du kan forlade fuldskærmsvisning ved at trykke på [**Esc**] på tastaturet.

- I Internet Explorer og Google Chrome-browseren kan du skifte til fuld skærm.

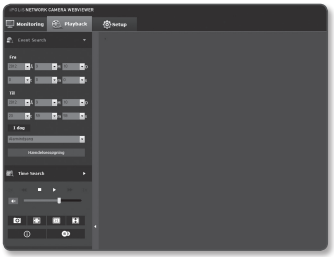
Sådan styres lyden

1. Klik på ikonet [**Lyd (**)] for at aktivere lydkommunikation.
2. Brug bjælken [ ] til at styre lydstyrken.

Sådan styres mikrofonen

1. Klik på ikonet [**Mikrofon** ( )] for at aktivere mikrofonen.

WYSZUKUJ I ODTWARZAJ WEDŁUG ZDARZEŃ



1. Kliknij przycisk [**Playback (**)].
2. Wybierz typ zdarzenia do wyszukiwania dla podanego okresu.
3. Wybierz rodzaj wyszukiwania.
4. Kliknij przycisk [**Hændelsessøgning**]. W przeglądarce zostaną wyświetlone wyniki wyszukiwania.

- W przypadku nagrania ponad 500 zdarzeń w trakcie wyszukiwania wyszukiwanie zostanie przerwanie po nagraniu 500. zdarzenia. Na przykład, jeśli okres wyszukiwania ustawiony jest pomiędzy 10 a 15 dniem miesiąca, a pomiędzy 10 a 11 dniem zostało nagranych ponad 500 zdarzeń, wyszukiwanie zostanie przerwane 11-tego dnia z liczbą 500 zdarzeń. Natomiast wyszukanie zdarzeń mających miejsce po tym czasie (od dnia 12-tego) będzie niemożliwe.

5. Wybierz z listy wyszukiwania pozycję, która ma być odtwarzana.
6. Kliknij przycisk [**Odtwarzaj (**)].
7. Aby zatrzymać odtwarzanie wideo, kliknij przycisk [**Zatrzymaj (**)].
8. Aby wrócić do ekranu wyszukiwania, kliknij [**Wyjdź (**)].

WYSZUKUJ I ODTWARZAJ WEDŁUG GODZINY

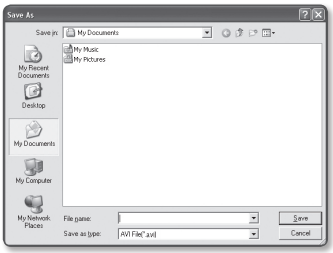
1. Kliknij [**Time Search (**)].
2. Kliknij żądaną datę w kalendarzu.
   Zostanie odtworzone wideo zarejestrowane wybranego dnia.
3. Hvis videoafspilningen er stoppet, skal du vælge et tidspunkt og klikke på [**Afspil (** ▶ **)**].
   Video for det valgte tidspunkt afspilles.
4. Podczas odtwarzania wideo będzie wyświetlany czas nagrywania dla bieżącego obrazu wideo.
5. Wyszukuj wideo przechodząc wstecz i do przodu oraz steruj prędkością odtwarzania.
   - Sterowanie prędkością odtwarzania
     W przypadku wyboru ▶▶, przycisk zostanie przełączony na x1, x2, x4, x8, a prędkość odtwarzania odpowiednio zwiększona.
     W przypadku wyboru ◀◀, przycisk zostanie przełączony na x8, x4, x2, x1, a prędkość odtwarzania odpowiednio zmniejszona.
   - Sterowanie kierunkiem odtwarzania
     Jeśli wraz z wyświetleniem prędkości odtwarzania zostanie wyświetlony przycisk ▶▶ obraz wideo będzie odtwarzany do przodu; Natomiast, jeśli wraz z prędkością odtwarzania zostanie wyświetlony przycisk ◀◀ obraz wideo będzie odtwarzany do tyłu.
6. Przenieś [**Pasek czasu (** ▌▌**)**] do żądanego punktu w nagraniu wideo przed rozpoczęciem odtwarzania.
   Godzina z plikiem normalnego nagrania zostanie podświetlona na niebiesko, a godzina nagrania zdarzenia — na czerwono.

Sådan kontrolleres tidsoplysningerne for videoen, der afspilles

1. Klik på knappen [**About (** ⓘ **)**].
2. Dato- og klokkeslætsinformationer vises på skærmen.

Sådan laves en sikkerhedskopi af den søgte video

1. Under afspilning: Klik på [▣] på motivet for at sikkerhedskopiere. Planlægningsvinduet for start- og sluttidspunkt for sikkerhedskopiering vises.
2. Klik på knappen [◉]. Vinduet Gem som vises.
3. Bekræft lagringsstien, og klik på knappen [**Save**]. Skærmbilledet sikkerhedskopieres til den angivne sti.



Sådan afspilles sikkerhedskopieret video

Den sikkerhedskopierede video gemmes i formatet .avi. Den sikkerhedskopierede video kan afspilles i enhver multimedieafspiller, der understøtter formatet, på din pc.

opsætningsskærm

OPSÆTNING

Du kan konfigurere video og lyd, netværk, hændelser og systemindstillinger for kameraet i netværket.

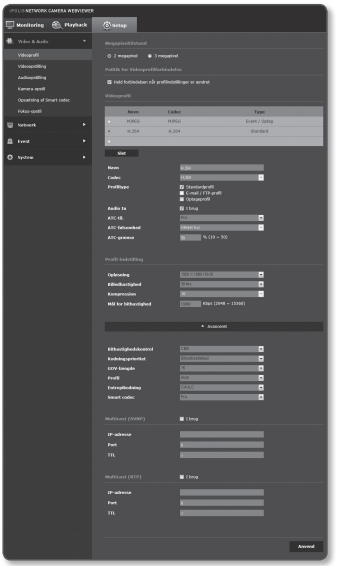
1. Klik på [**Setup (** Setup **)**] på Live-skærmen.
2. Opsætningsskærmen vises.

- Microsoft Silverlight 4.0 skal være installeret på pc'en for opsætningssider, der forhåndsviser video.
  Hvis denne ikke er installeret allerede, skiftes automatisk til installation af Silverlight.

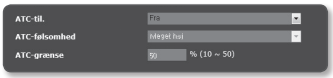
OPSÆTNING AF AUDIO OG VIDEO

Videoprofil

1. Vælg fanen <**Video & Audio (** **)**> i opsætningsmenuen.
2. Klik på <**Videoprofil**>.
3. Indstil <**Megapixeltilstand**>.
   Ved ændring af valgt tilstand vises en bekræftelsesmeddelelse om nulstilling af videokonfigurationerne.
   Klik på [**OK**] for at bekræfte de ændrede videoindstillinger.
4. Indstil <**Politik for Videoprofilforbindelse**>.
   - Hold forbindelsen når profilindstillinger er ændret : Ændring af profilegenskaber, der anvendes af en eksisterende forbindelse, berører ikke en sådan tilslutning og beholder den gamle profilopsætning.
     Hvis denne ikke er valgt, vil ændring af en profil, der anvendes af en eksisterende forbindelse, nulstille en sådan forbindelse.
5. Vælg de enkelte profilegenskaber.



6. Klik på indtastningsfeltet for hvert element, og indtast / vælg de ønskede værdier.
   - Genvejsmenuen kan variere, afhængigt af den valgte codectype.
   - Standardprofil : Hvis der vælges en profil til brug af Web Viewer, anvendes en standard-videoprofil.
   - E-mail / FTP-profil : Video-profil, der skal overføres til den angivne e-mail eller FTP-sted.
     - Kun MJPEG-codec'et kan indstilles som E-mail / FTP-profil.
   - Optageprofil : Denne profil anvendes til videooptagelse.
   - Audio In : Indstiller, om der skal anvendes lyd ved videooptagelser.
7. Indstil ATC (Automatisk transmissionsstyring) i henhold til situationen.



   - ATC-til. : Justerer videoegenskaberne i overensstemmelse med variationerne i netværksbåndbredde, styrer bithastigheden. Justering af bithastigheden afhænger ATC-tilstanden.
     - Styr billedhast. : Reducerer billedhastigheden, hvis netværksbåndbredden falder.
     - Styr komprimering : Styrer komprimeringsgraden, hvis netværksbåndbredden falder.
       Justering af komprimering kan medføre forringelse af billedkvaliteten.
     - Hvis <**Bithastighedskontrol**> er indstillet til <**CBR**>, fastsættes kodningsprioriteten i henhold til ATC-tilstanden som følger:

Bithastighedskontrol / ATC-til.	Styr billedhastighed	Styr komprimering
CBR	Billedhastighed	Komprimering

   - ATC-følsomhed : Påvirker overførselshastigheden i henhold til variationerne i netværksbåndbredden.
     Overførselshastigheden justeres til den hurtigste, hvis båndbredden er <**Meget høj**> og justeres til den langsomste, hvis båndbredden er <**Meget lav**>.
   - ATC-grænse : Hvis kvaliteten eller billedhastigheden justeres, ændres egenskaben til den anvendte værdi (%) i forhold til indstillingsværdien (100%).
     Bemærk, at hvis egenskabsværdien justeres for meget, kan der opstå flimren på skærmen. Derfor er det tilrådeligt at justere værdien inden for grænsen.

- Det anbefales kun at anvende ATC-styring for kameraer, der understøtter ATC.
- Indstil ATC-følsomheden til <**Meget lav**> i et netværksmiljø med høj variation i netværksbåndbredden.
- Hvis netværksforbindelsen er ustabil, kan der opstå flimren på skærmen.

8. Klik på [**Anvend (** Anvend **)**], når du er færdig.

Sådan tilføjes en videoprofil

Du kan tilføje så mange codec'er, som der er brug for, således at der kan anvendes en række profiler på optagefunktionen.

1. Vælg en af mulighederne fra <**Videoprofil**>.
2. Angiv navnet og vælg et codec.
3. Angiv de betingelser, hvorunder den pågældende codec vil blive anvendt.
4. Angiv detaljerne for den valgte codec, inklusive opløsning og billedhastighed. Klik på <**Avanceret**> for at vise genvejsmenuen.
   - Opløsning : Indstil videostørrelsen for filer af typen H.264 og MJPEG.
   - Billedhastighed : Angiver billedhastigheden.
   - Kompression : Angiver komprimeringsgraden for videoen.
   - Maks. bithastighed : Angiv videoens maksimale bithastighed.

     ▪ Da bithastigheden kun kan justeres noget i henhold til opløsningen, billedhastighed og skærmkompleksitet, kan den virkelige bithastighed være større end den maksimale bithastighed. Så du skal tænke på forholdene, når du indstiller denne værdi.

   - Bithastighedskontrol : Du kan vælge blandt konstant bithastighed og variabel bithastighed til komprimering. Konstant bithastighed (CBR) varierer videoens kvalitet og har fast overførselshastighed på netværket, mens variabel bithastighed lægger vægt på kvaliteten ved at variere overførselshastigheden på netværket.
   - Kodningsprioritet : Du kan indstille videooverførselsmetoden til Framerate eller Compression.
   - GOV-længde : Du kan bestemme længden af GOV. (2Mega mode - 1 ~ 150, 3Mega mode - 1 ~ 100)
   - Profil : Du kan vælge profilmetoden H.264.
   - Entropikodning : Reducerer det eventuelle kompressionstab som følge af kodning.
   - Smart codec : Angiv brugen af Smart codec.

     ▪ Smart Codec'en er kun aktiv, hvis codec'en er H.264, og komprimeringssystemet er CBR.

   - Multicast (SVNP) : Angiver anvendelse af SVNP-protokollen.
     - IP-adresse : Angiv en IPv4-address, hvormed du kan oprette forbindelse til IPv4-netværket.
     - Port : Angiver videokommunikationsporten.
     - TTL : Indstiller TTL for SVNP-pakken.
   - Multicast (RTP) : Angiver anvendelse af RTP-protokollen.
     - IP-adresse : Angiv en IPv4-address, hvormed du kan oprette forbindelse til IPv4-netværket.
     - Port : Angiver videokommunikationsporten.
     - TTL : Du kan indstille TTL for RTP-pakken.

Hvad er GOV-længde?

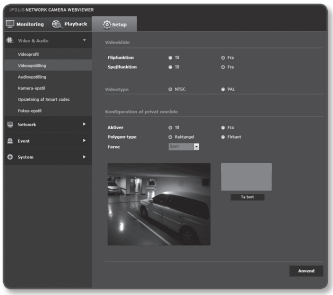
GOV (Gruppe af video-objektplaner) er et sæt af videobilleder til H.264-komprimering, der angiver en samling billeder fra det første I-billede (nøglebillede) til næste I-billede. GOV består af 2 slags billeder: I-billede og P-billede.

I-billedet er det grundlæggende billede for kompressionen, også kaldet nøglebilledet. Det indeholder fuldstændige billeddata. P-billedet indeholder kun de data, der har ændret sig i forhold til det foregående I-billede.

For H.264 codec, kan du bestemme GOV længde.
(2Mega mode - 1 ~ 150, 3Mega mode - 1 ~ 100)

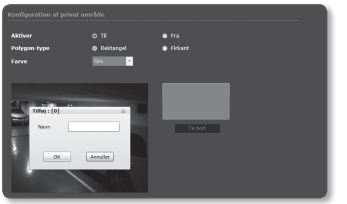
Videoopstilling

1. Vælg fanen <**Video & Audio (** **)**> i opsætningsmenuen.
2. Klik på <**Videoopstilling**>.
3. Vælg et nummer på en <**Videokilde**>.
   - Flipfunktion : Vend det billede, der er optaget af kameraet, på hovedet.
   - Spejlfunktion : Vend det billede, der er optaget af kameraet, ad den vandrette akse.
4. Vælg ønsket Videotype.
5. Angiv privatzonen.
6. Klik på [**Anvend (** Anvend **)**], når du er færdig.



Sådan opsættes den private zone.

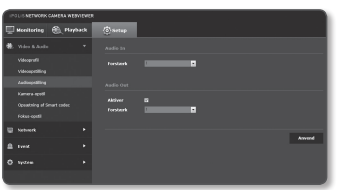
Du kan angive et bestemt område af kameraets video, der skal beskyttes af hensyn til dit privatliv.



1. Indstil den til <**Aktiver**>.
2. Klik på [**Anvend (** Anvend **)**], når du er færdig.
3. Vælg typen og farvemaskeringen for et ønsket privat område.
   - Rektangel : Anbring markøren på et sted i videoen, og træk den til det sted, du har brug for.
     Du kan overlappe rektangler ved opsætning af privat område.
   - Firkant : Vælg 4 kanter (der danner en firkant) på videoen.
4. Klik på skærmen, og træk til den ønskede region.
5. Navngiv den og tryk [**OK**].
6. Hvis du vil slette et område på listen, skal du vælge det og klikke på [**Ta bort (** Ta bort **)**].

Audioopstilling

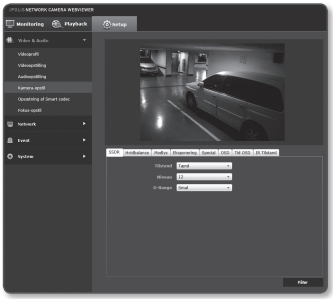
Du kan konfigurere I/O-indstillingerne for lydkilden fra kameraet.



1. Vælg fanen <**Video & Audio (** **)**> i opsætningsmenuen.
2. Klik på <**Audioopstilling**>.
3. Indstil niveauet for lydindgangen.
   - Forstærk : Indstiller forstærkningen af lydindgangen.
4. Indstil niveauet for lydindgangen.
   - Aktiver : Indstiller, om der skal anvendes lydudgang.
   - Forstærk : Indstiller forstærkningen af lydudgangen.
5. Klik på [**Anvend (** Anvend **)**], når du er færdig.

Kamera-opstil

Du kan ændre kameraindstillingerne i henhold til det miljø, hvor kameraet befinder sig.



1. Vælg fanen <**Video & Audio (** **)**> i opsætningsmenuen.
2. Klik på <**Kamera-opstil**>.
3. Konfigurer indstillingerne af det følgende i det omfang, det er nødvendigt : SSDR, Hvidbalance, Modlys, Eksponering, Special, OSD, Tid OSD, IR Tilstand
4. Klik på [**Anvend (** **Anvend** **)**], når du er færdig.
   - Hvis en vis tid (timeout: 240 s) går, hvor du ikke trykker på knappen [**Anvend (** **Anvend** **)**], når du har ændret indstillingerne, anvendes dine ændringer ikke.

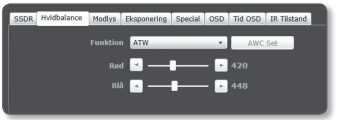
Opsætning af SSDR (Samsung Super Dynamic Range)

I et område, hvor der er stor forskel mellem lys og mørke, kan du øge kun det mørke områdes lysstyrke for at tilpasse den generelle lysstyrke.

1. Vælg <**SSDR**>.
2. Indstil <**Tilstand**> til <**Tænd**>.
3. Konfigurer indstillingerne for <**Niveau**> og <**D-Range**> efter behov.
   - Niveau : Juster niveauet for det dynamiske område.
   - D-Range : Vælg rækkevidden for det dynamiske område.

Opsætning af hvidbalance

Du kan justere billedfarverne ud fra det hvide under alle lysforhold.



1. Vælg <**Hvidbalance**>.
2. Vælg <**Funktion**>.
   - ATW : Korrigerer automatisk kameravideoens farver.
   - Manuel : Du kan justere de røde og blå nuancer på kameravideoen.
   - AWC : Korrigerer kameravideoens farver optimalt i forhold til lysforhold og skærmtilstand.
     For at fa de optimale betingelser for den aktuelle belysning: Fokuser kameraet pa et ark hvidt papir, og tryk pa knappen [**AWC Set**]. Hvis lysforholdene ændres, skal du genjustere indstillingerne tilsvarende.
   - Udendørs : Automatically corrects the video colors of the camera to be optimized to the outdoor environment.
   - Indendørs : Korrigerer automatisk videofarverne på kameraet optimalt i forholdet til indendørsforholdene.

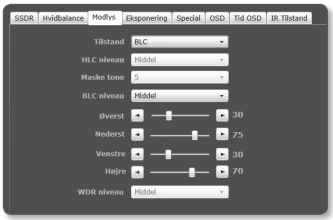
- I AWC-tilstand skal du klikke på knappen [**AWC Set**], hvis du vil beholde hvidbalanceniveauet på det aktuelle billede.

- Hvidbalancen fungerer maske ikke korrekt under følgende forhold :
  Er det tilfældet, sa skift til tilstanden AWC.
  - Hvis motivets omgivende forhold er udenfor temperaturkorrektionsomradet
    Eks.) Klar himmel, solnedgang
  - Hvis motivets omgivelser er mørke
  - Hvis kameraets fokus er rettet direkte mod et lysstofrør, eller hvis kameraet er installeret et sted med variabel belysning, kan hvidbalancefunktionen blive ustabil.

Brugeropsætning af modlys

Du kan manuelt angive et ønsket område på videoen og indstille dette område til at blive vist mere tydeligt.

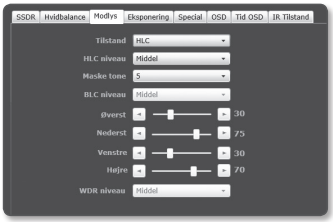
1. Vælg <**Modlys**>.
2. Indstil <**Tilstand**> til <**BLC**>.
3. Indstil <**BLC niveau**>.
   Du kan ændre niveauet for at justere overvågningsområdets lysstyrke.
4. Indstil niveauerne for <**Øverst**, **Nederst**, **Venstre**, **Højre**> for at angive målområdet.



Opsætning af HLC (Highlight Compensation)

Når kraftigt lys, f.eks en gadelampe eller forlygter fra en bil, vender mod kameraet, kan du afmaske det udsatte område for at beskytte det mod at blive mættet.

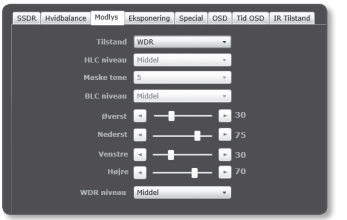
1. Vælg <**Modlys**>.
2. Indstil <**Tilstand**> til <**HLC**>.
3. Indstil <**HLC niveau**> og <**Maske tone**>
   - HLC niveau : Justerer lysstyrkeniveauet for at fjerne indkommende højlys fra bestemte forhold.
   - Maske tone : Justerer masketonen på området med højlys.



- Ved natoptagelser aktiveres denne funktion kun, hvis det indkommende højlys overstiger et bestemt område i et miljø med lav kontrast.
- Ved natoptagelser fungerer HLC ikke, hvis motivet er for lyst eller for mørkt.

WDR-opsætning

Den viser en skarpt billede med genstandene i en scene, hvor der er både lyse og mørke områder.

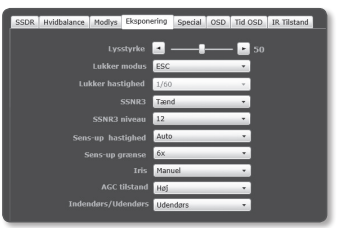


1. Vælg <**Modlys**>.
2. Indstil <**Tilstand**> til <**WDR**>.
3. Angiv <**WDR-niveau**>.

- WDR er kun tilgængelig, hvis <**Megapixeltilstand**> er indstillet til <**2 megapixel**>.
- Hvis tilstanden WDR er aktiv, kan lukkertilstanden ikke ændres.
  Dataoverførsel via netværket er tilgængelig med en hastighed på op til 15 fps.
- Hvis tilstanden WDR er aktiv, kan et objekt i bevægelse forårsage et efterbillede på skærmen.

Opsætning af eksponering

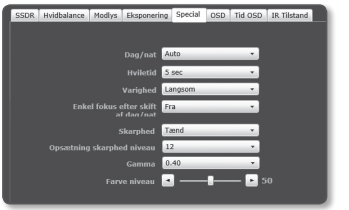
Du kan justere kameraets eksponeringsniveau.



1. Vælg <**Eksponering**>.
2. Vælg hvert element, og indstil det korrekt.
   - Lysstyrke : Justerer skærmens lysstyrke.
   - Lukker modus : Justerer kameraets lukker.
     - ESC (Elektronisk lukningskontrol) : Juster lukkerhastigheden automatisk i overensstemmelse med de omgivende lysforhold.
       - Denne aktiveres, hvis <**Iris**> er indstillet til <**Manuel**>.
     - Manuel : Justerer kameraets lukkerhastighed manuelt.
       - Du kan vælge én mellem 1/30 s og 1/12000 s i 2-mega-tilstand og vælge én mellem 1/21 s og 1/12000 s i 3-mega-tilstand.
     - A.FLK (Antiflimren) : Vælg denne funktion, hvis du oplever skærmflimmer, der skyldes frekvensforskel i forhold til det omgivende lys.

- Lukker hastighed : Kontroller lukkerhastigheden manuelt.
- SSNR3 : Angiv brugen af støjreduktion.
- SSNR3 niveau : Justerer støjreduktionsniveauet.
- Sens-up hastighed : Registrerer automatisk graden af mørke om natten eller ved et motiv med lav kontrast og forlænger akkumuleringstiden herefter for at opnå et lyst og skarpt billede.
  - Hvis du indstiller lukkerfunktionen til Manual/A.FLK, aktiveres Sens-up funktionen.
  - Jo større Sens-Up-faktor, jo lysere bliver skærmen, men det kan medføre et efterbillede eller videoforsinkelse.
- Sens-up grænse : Indstil arbejdsfunktionen til Auto-funktion ved et motiv med lav kontrast.
- Iris : Du kan indstille kameraets iris til Auto eller Manual efter ønske.
  - Auto : Indstiller automatisk iris, så den tilpasses efter det omgivende lys og lukkertiden.
  - Manuel : Indstiller iris til maksimal blænde.
- AGC tilstand : Vælger kontroltilstanden AGC.
  Juster forstærkningsværdien for videoen (ikke mindst, hvis den er optaget med lav kontrast og har et mindre lysstyrkeniveau end normalt) for at kontrollere videoens lysstyrke.
- Indendørs/Udendørs : Vælg Indendørs eller Udendørs til installationsmiljøet.

Opsætning af special



1. Vælg <**Special**>.
2. Vælg hvert element, og indstil det korrekt.
   - Dag/nat : Du kan skifte funktionen for at justere de sorte og hvide niveauer samt farverne.
     - Farve : Video vises altid i farver.
     - B/W : Video vises altid i sort/hvid.
     - Auto : Bruger farvefunktion til visning under normale forhold i dagtimerne og skifter til sort/hvid-tilstand ved motiver med lav kontrast om natten.
       - Hvis du indstiller AGC-tilstanden til <**Fra**> fra <**Eksponering**>, deaktiveres AUTO DAG/NAT-funktionen tilsvarende.
   - Hviletid : Dette er det tidsrum, hvor det enkelte lysforhold fastholdes for at aktivere skift mellem dag- og natfunktion.
   - Varighed : Angiv tidsintervallet for belysningen, hvor sekvensdrift udløses.
   - Enkel fokus efter skift af dag/nat : Ved skift mellem dag/nattilstand køres automatisk fokuseringsjustering.
     Ved brug af IR-objektiv med kameraet: Indstil denne til <**Fra**>.

- Indstilling af muligheden <**Enkel fokus efter skift af dag / nat**> kan måske medføre falsk fokuseringsjustering under visse forhold. Hvis du vil have yderligere oplysninger, henvises der til "**Fokuseringsopsætning**". (Side 57)

   - Skarphed : Justerer billedets generelle skarphed.
     Hvis du vælger <**Tænd**>, kan du justere billedets skarphed.
   - Opsætning skarphed niveau : Jo højere niveauet er, desto skarpere og tydeligere bliver konturerne i billedet.
   - Gamma : Justerer billedets kontrast.
   - Farve niveau : Justerer billedets farveniveau.

Opsætning af OSD

1. Vælg <**OSD**>.
2. Vælg hvert element, og indstil det korrekt.
   - Kamera titel : Angiv, om kameratitlen skal vises på skærmen eller ej.
     - Du kan indtaste op til 15 tegn for titlen.
   - Kamera titel position X, Y : Angiv koordinaterne, hvor kameraets titel skal vises på skærmen.

Opsætning af OSD tid

1. Vælg <**Tid OSD**>.
2. Vælg hvert element, og indstil det korrekt.
   - Tid display : Angiv brugen af tidsvisning på skærmen.
   - Datoformat : Angiv det datoformat, der skal vises på skærmen.
   - Tid position display X, Y : Angiv placeringen af tidsvisning på skærmen.
   - Vis ugedag : Angiv datovisningen på skærmen.

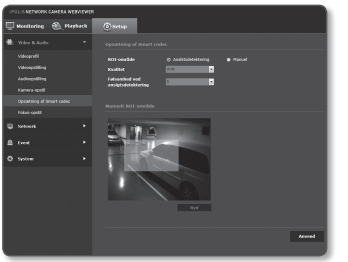
Indstilling af tilstanden IR

1. Vælg <**IR Tilstand**>.
2. Vælg hvert element, og indstil det korrekt.
   - IR Tilstand : Når IR-indikatoren ændres til B/W-tilstand, beskyttes skærmen mod mætning på midten af skærmen, så du kan identificere en genstand på kort afstand.
     - Fra : IR tilstand bliver deaktiveret.
     - Auto : Juster IR-lysstyrken i overensstemmelse med lysstyrken på genstanden på midten af skærmen.
     - Manuel : Juster IR-lysstyrken manuelt.
   - Niveau : Hvis du indstiller IR-tilstand til Manuel, kan du justere lysstyrken for IR-indikatoren til mellem 0 og 32.

- IR-tilstand bliver aktiveret, når <**Dag/nat**> er indstillet til <**Auto**> eller <**B/W**>.

Opsætning af Smart codec

Indstil et ønsket område for den indkommende video fra kameraet som interesseregion, og angiv detektionsfølsomheden for området.



1. Vælg fanen <**Video & Audio (** **)**> i opsætningsmenuen.
2. Klik på <**Opsætning af Smart codec**>.
3. Vælg interesseregion.
   - Ansiktsdetektering : Aktiv hvis et ansigt genkendes på overvågningsskærmen.

- Ansigtsdetektering er kun aktiveret, hvis følgende betingelser er opfyldt:
  - Ansigtet er placeret ±45 grader til venstre eller højre for toppen.
  - Det effektive område for ansigtsrotation er ±30 grader vertikalt og ±60 grader horisontalt.
  - Den mindste ansigtsstørrelse er 20x20 baseret på opløsningen 320x240.

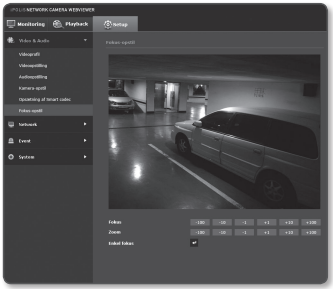
   - Manuel : Angiv manuelt interesseregionen, der skal overvåges.
4. Vælg en kvalitet og en detekteringsfølsomhed for interesseregionen.
5. Hvis du manuelt angivet interesseregionen: Vælg et ønsket område med musemarkøren, og træk den efter ønske.
   - Du kan angive op til 5 adskilte regioner.
6. For at annullere dit valg skal du blot klikke på [**Ryd (** Ryd **)**].
7. Klik på [**Anvend (** Anvend **)**], når du er færdig.

- Smart codec'en er ikke aktiv, hvis den indstilles til <**Fra**> i <**Videoprofil**>. (side 44)

Fokus-opstil

Du kan justere fokus og zoomforholdet for videobilledet.

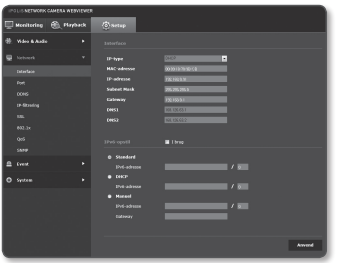
1. Vælg fanen <**Video & Audio (** **)**> i opsætningsmenuen.
2. Klik på <**Fokus-opstil**>.
3. Indstil fokus og zoom.
   - Fokus : Juster objektivets fokus manuelt (Langt væk <-> Tæt på).
   - Zoom : Justerer zoom manuelt (Vidvinkel <->Tele).
   - Enkel fokus : Klik på knappen [↵] for at tilpasse fokus automatisk.



- Tilstanden Enkel fokus passer måske ikke i følgende tilfælde:
  - En pludselig ændring af motivet i tilstanden Enkel fokus (pludselig bevægelse, tilsynekomst eller forsvinden)
  - Radikal ændring af lysstyrken i tilstanden Enkel fokus
  - Billede med lav kontrast
  - Hvis kameraet udsættes for en stærk lyskilde foran eller i omgivelserne
- Hvis fokus ikke fungerer, bortset fra ovennævnte tilfælde, skal du bruge [-100 , -10 , -1 , +1 , +10 , +100] til at fokusere manuelt.
- I en situation, hvor Enkel fokus er vanskelig at anvende, kan du prøve at bruge tilstanden Manuel fokus.

NETVÆRKSOPSÆTNING

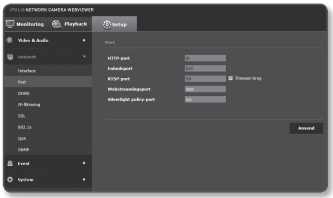
Interface



1. Vælg fanen <**Network (**)> i opsætningsmenuen.
2. Klik på <**Interface**>.
3. Indstil <**Interface**>.
   - IP-type : Vælg en IP-forbindelsestype.
     - Manuel : Angiv IP-adresse, Subnet Mask, Gateway, DNS1 og DNS2.
     - DHCP : Angiv DNS1 og DNS2.
     - PPPoE : Angiv DNS1, DNS2, Navn og Adgangskode.
     - Hvis du indstiller den til <**Manuel**>, kan du angive IP, Subnet Mask, Gateway samt DNS 1 & 2 manuelt.
   - MAC-adresse : Viser MAC-adressen.
   - IP-adresse : Viser den aktuelle IP-adresse.
   - Subnet Mask : Viser <**Subnet Mask**> for den indstillede IP.
   - Gateway : Viser <**Gateway**> for den indstillede IP.
   - DNS1/DNS2 : Viser DNS (Domain Name Service) serveradressen.
4. Indstil <**IPv6-opstil**>.
   - Indstil til <**I brug**> for at anvende IPv6-addresse.
   - Standard : Brug standard IPv6-adressen.
   - DHCP : Vis og brug IPv6-adressen hentet fra DHCP-serveren.
   - Manuel : Indtast IP-adresse og gateway manuelt, og anvend dette.
5. Klik på [**Anvend (** Anvend **)**], når du er færdig.

- IP-adressesystemet indstilles som standard til DHCP. Hvis der ikke findes en DHCP-server, gendannes den tidligere indstilling automatisk.
- Når du er færdig med redigeringen, skal du klikke på [**Anvend (** Anvend **)**] for at anvende ændringerne. Herefter afsluttes browseren.
  Opret forbindelse igen med de ændrede IP-oplysninger efter et stykke tid.

Port



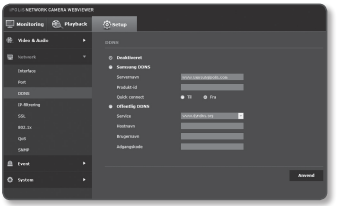
1. Vælg fanen <**Network (** **)**> i opsætningsmenuen.
2. Klik på <**Port**>.
3. Indtast hvert element i Port-menuen efter behov.
   - Port-værdier mellem 0 og 1023 samt 3702 er ikke tilgængelige.
   - HTTP-port : HTTP-port, som bruges til at få adgang til kameraet via webbrowseren. Standardværdien er 80(TCP).
     - I henhold til sikkerhedspolitik, er det ikke tilladt at indstille HTTP- porten for Safari og -Google Chrome-browsere til 65535.
   - Enhedsport : Angiver en port, som bruges til at overføre videosignaler med Samsung-protokoller.
   - RTSP-port : Bruges til at overføre videoer i RTSP-tilstanden, standard er 554.
   - Webstreamingsport : Anvendes til at overføre videoer til Web Viewer, standard er 4520.
   - Silverlight policy-port : Silverlight bruges til at tillade at hente en netværksforbindelse. Standarden er 943.

- Hvis HTTP-porten blev ændret, afsluttes browseren.
  Bagefter skal adressen indeholde den netop tildelte HTTP-port efter IP.
  eks.) IP-addresse : 192.168.1.100, HTTP-port: Tildelt 8080 → http://192.168.1.100:8080
  (Hvis HTTP-porten er indstillet til 80, er det ikke nødvendigt at angive portnummeret)
- Port-værdierne for Webstreaming ligger mellem 4502 og 4534. Hvis enhedsporten ligger inden for dette område, skal Webstreamingporten specificeres med samme værdi som enhedsporten.
- Du kan ikke ændre Webstreaming/Silverlight-policy-serverporten for et kamera.

4. Klik på [**Anvend (** Anvend **)**], når du er færdig.

DDNS

DDNS er en forkortelse for Dynamic Domain Name Service, der konverterer til IP-adressen for et kamera til et generelt værtsnavn, så brugeren let kan huske det.



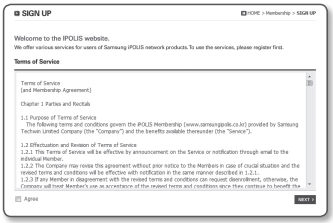
1. Vælg fanen <**Network (**)> i opsætningsmenuen.
2. Klik på <**DDNS**>.
3. Vælg tilslutningstypen <**DDNS**>.
4. Angiv DDNS-elementerne i henhold til den valgte type.
   - Samsung DDNS : Vælg dette, hvis du bruger DDNS-serveren fra Samsung Techwin.
     - Produkt-id : Angiv det produkt-ID, der er registreret hos Samsung DDNS-tjenesten.
     - Quick connect : Indstiller automatisk port forwarding ved brug med en router, der understøtter UPnP (Universal Plug and Play).
   - Offentlig DDNS : Vælg en af de angivne offentlige DDNS-servere, når du bruger en offentlig DDNS-server.
     - Service : Vælg den ønskede offentlige DDNS-server.
     - Hostnavn : Angiv navnet på den vært der er registreret med DDNS-serveren.
     - Brugernavn : Angiv brugernavnet for DDNS-tjenesten.
     - Adgangskode : Angiv adgangskoden for DDNS-tjenesten.
5. Klik på [**Anvend (** Anvend **)**], når du er færdig.

- Hvis <**Quick connect**> er valgt, skal Samsung DDNS-tjenesten vælges.

Registrering med DDNS

Sådan registrerer du dit produkt med Samsung DDNS

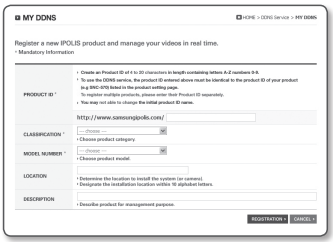
1. Besøg iPOLiS-webstedet (www.samsungipolis.com), og log på med en registreret konto.



2. Vælg <**DDNS SERVICE**>-<**MY DDNS**> fra den øverste menulinje.

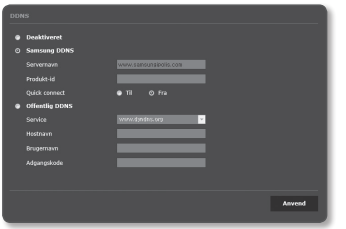
3. Klik på [**PRODUCT REGISTRATION**].
4. Indtast produkt-id'et.
   - Du skal udføre den dobbelte kontrol for det id, du har indtastet.

5. Vælg en <**CLASSIFICATION**>, og angiv <**MODEL NUMBER**>.
6. Angiv produktets placering med en beskrivelse, hvis nødvendigt.
7. Klik på [**REGISTRATION**]. Produktet vil blive føjet til produktlisten, som du kan kontrollere.



Sådan opretter du forbindelse til Samsung DDNS i kameraopsætning

1. Sæt <**DDNS**> til <**Samsung DDNS**> fra DDNS-opsætningssiden.
2. Angiv det <**Produkt-id**>, som du registrerede produkt-id'et med på DDNS-stedet.
3. Klik på [**Anvend (** Anvend **)**].
   Når forbindelsen er oprettet, ser du meddelelsen <**(Gennemført)**> på skærmen.



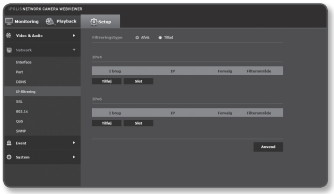
Konfiguration af offentlig DDNS i kameraindstillinger

1. Åbn siden med DDNS-indstillinger, og vælg <**Offentlig DDNS**> for <**DDNS**>.
2. Indtast det tilhørende steds værtsnavn, brugernavn og adgangskode.
3. Klik på knappen [**Anvend (** Anvend **)**].
   Hvis forbindelsen oprettes korrekt, vises <**(Gennemført)**>.
4. Klik på [**Anvend (** Anvend **)**], når du er færdig.

- For at bruge DDNS-tjenesten korrekt kræves opsætning af DDNS og routerens port forwarding.
  Se "**Opsætning af videresendelse af portinterval (port-kortlægning)**" (side 29)

IP-filtrering

Du kan oprette en liste over IP'er, som du vil give adgang til eller nægte adgang til.



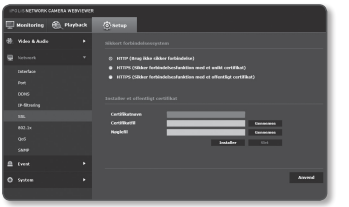
1. Vælg fanen <**Network (** **)**> i opsætningsmenuen.
2. Klik på <**IP-filtrering**>.
3. Vælg <**Filtreringstype**>.
   - Afvis : Hvis du vælger dette, begrænses adgangen fra de IP'er, der føjes til filtreringen.
   - Tillad : Hvis du vælger dette, accepteres kun adgang fra de IP'er, der føjes til filtreringen.
4. Klik pa knappen [**Tilføj (** Tilføj **)**]. IP-listen oprettes.
5. Angiv den IP, som du ønsker at give eller nægte adgang fra. Når du angiver en IP-adresse og et præfiks, vises listen over tilgængelige IP-adresser til rådighed i kolonnen med filterinterval i højre side.

- Hvis <**Tillad**> er valgt for IP-filtrering, og <**IPv6-opsætning**> for <**Interface**> er indstillet til <**I brug**>, skal både IPv4- og IPv6-adresserne på den computer, der i øjeblikket konfigurerer, tildeles.
- IP-adressen på den computer, der anvendes til den aktuelle opsætning, kan ikke føjes til <**Afvis**>, den skal føjes til <**Tillad**>.
- Kun de IP-adresser, der er indstillet til <**I brug**>, vises i filterkolonnen.

6. Vælg en IP-adresse, der skal slettes fra listen. Klik pa knappen [**Slet (** Slet **)**].
7. Klik på [**Anvend (** Anvend **)**], når du er færdig.

SSL

Du kan vælge et sikkert forbindelsessystem eller installere det offentlige certifikat til dette formål.



1. Vælg fanen <**Network (**)> i opsætningsmenuen.
2. Klik på <**SSL**>.
3. Vælg et sikkert forbindelsessystem.
   - For at få adgang til kameraet med HTTPS-funktionen skal du indtaste kameraets IP-adresse i formatet “https://<Camera_IP>”. Hvis konfigurering af indstillinger for Web Viewer i HTTPS-tilstand mislykkes med Internet Explorer, skal du redigere internetindstillingerne som følger: <Menu → Værktøjer → Internetindstillinger → Avanceret → Sikkerhed → Fjern markering for TLS 1.0, og marker TLS 1.1 og TLS 1.2>
4. Søg efter det offentlige certifikat, du vil installere på kameraet.
   Hvis du vil installere certifikatet på kameraet, skal du kunne angive et certifikatnavn (det kan tildeles vilkårligt af brugeren), en certifikat-fil, der er udstedt fra certifikatmyndigheden samt en nøglefil.
   - Elementet <**HTTPS (Sikker forbindelsesfunktion med et offentligt certifikat)**> vil kun være aktivt, hvis der er installeret et offentligt certifikat.
5. Klik på [**Anvend (** Anvend **)**], når du er færdig.

Installation af certifikatet

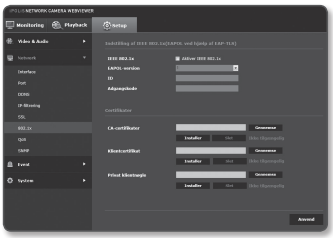
1. Indtast certifikatnavnet.
2. Vælg den certifikatfil og certifikatnøgle, der skal installeres, og klik på knappen [**Installer (** Installer **)**].

Sletning af certifikatet

1. Klik på knappen [**Slet (** Slet **)**].
2. Hvis du vil slette et offentligt certifikat, skal du opnå adgang til netværksvideodekoderen i tilstanden <**HTTP (Brug ikke sikker forbindelse)**> eller <**HTTPS (Sikker forbindelsesfunktion med et unikt certifikat)**>.

802.1x

Ved tilslutning af netværket kan du vælge, om du vil bruge 802.1x-protokollen og derefter installere certificeringen.



1. Vælg fanen <**Network (** **)**> i opsætningsmenuen.
2. Klik på <**802.1x**>.
3. Indstil <**Indstilling af IEEE 802.1x (EAPOL ved hjælp EAP-TLS)**>.
   - IEEE 802.1x : Angiv anvendelse af 802.1x -protokollen.
   - EAPOL-version : Vælg version 1 eller 2.
   - ID : Angive den private ID for klienten.
   - Adgangskode : Angive den private adgangskode for klienten. Hvis den anvendte nøglefil ikke er krypteret, behøver du ikke at angive den.

- Hvis den tilsluttede netværksenhed ikke understøtter 802.1x-protokollen, fungerer protokollen ikke korrekt, heller ikke selvom du indstiller den.

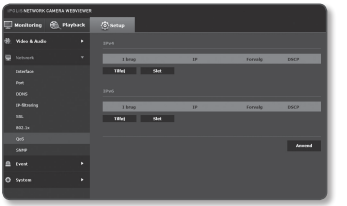
4. Installer/fjern certifikatet.
   - CA-certifikater : Vælg et offentligt certifikat, som indeholder den offentlige nøgle.
   - Klientcertifikat : Vælg et offentligt certifikat, som indeholder klientcertifikat-nøglen.
   - Privat klientnøgle : Vælg et offentligt certifikat, som indeholder den private klientnøgle.
5. Klik på [**Anvend (** **Anvend** **)**], når du er færdig.

Til installation/fjernelse af 802.1x relaterede certifikater.

1. Klik på [**Gennemse (** **Gennemse** **)**] knappen for hvert element og vælg et certifikat til installering.
2. Hvis der ikke er installeret et certifikat vil du se “Ikke disponibel” vist ved siden af det valgte element.
3. Klik på [**Installer (** **Installer** **)**] knappen for at starte installationen med en besked om “installeret” ved siden af elementet.
4. Klik på [**Slet (** **Slet** **)**] knappen for at fjerne certifikatet.

QoS

Du kan angive pririteт for at sikre en stabil overførselshastighed for en specific IP.



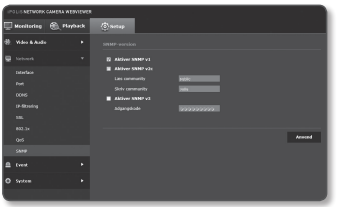
1. Vælg fanen <**Network (**)> i opsætningsmenuen.
2. Klik på <**QoS**>.
3. Klik pa knappen [**Tilføj (** Tilføj **)**]. IP-listen oprettes.
4. Angiv en IP-adresse, som QoS som skal anvendes på.

- Standardpræfikset for IPv4 er 32. For DSCP er standarden indstillet til 63.
- Kun de IP-adresser, der er indstillet til <**I burg**>, kan prioriteres.

5. Vælg en IP-adresse, der skal slettes fra listen. Klik på knappen [**Slet (** Slet **)**].
6. Klik på [**Anvend (** Anvend **)**], når du er færdig.

SNMP

Med SNMP-protokollerne kan system- eller netværksadministratoren overvåge netværksenheder på et fjernt sted og konfigurere miljøindstillinger.



1. Vælg fanen <**Network (**)> i opsætningsmenuen.
2. Klik på <**SNMP**>.
3. Angiv <**SNMP**>.
   - Aktiver SNMP v1 : SNMP-version 1 vil være aktiv.
   - Aktiver SNMP v2c : SNMP-version 2 vil være aktiv.
     - Læs community : Skriv navnet på det læsefællesskab, hvor du har adgang til SNMP-informationerne. Standardnavnet er <**public**>.
     - Skriv community : Skriv navnet på det skrivefællesskab, hvor du har adgang til SNMP-informationerne. Standardnavnet er <**write**>.

- Aktiver SNMP v3 : SNMP-version 3 vil være aktiv.
  - Adgangskode : Angiv standardadgangskoden til SNMP version 3. Standardadgangskoden er <**admin4321**>.
    - Standardadgangskoden kan blive eksponeret for hackertrusler, så det anbefales at skifte adgangskode efter installation af produktet.
      Bemærk, at sikkerhed og andre relaterede problemstillinger forårsaget af uændret adgangskode er brugerens ansvar.
    - Adgangskoder skal være længere end 8 tegn og højst 16 tegn.

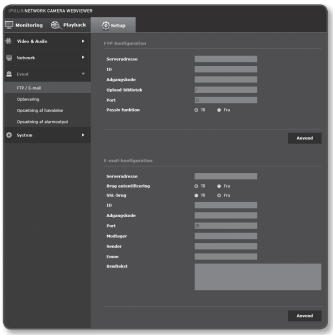
4. Klik på [**Anvend** (Anvend)], når du er færdig.

- SNMP v3 kan kun indstilles, når den sikre forbindelsestilstand er indstillet til HTTPS.
  Se "**SSL**". (side 64)

OPSÆTNING AF BEGIVENHED

FTP / E-mail

Du kan konfigurere FTP/E-mail-serverens indstillinger, så du kan overføre billederne i kameraet til din pc, hvis en bestemt begivenhed indtræffer.



1. Vælg fanen <**Event** ( )> i opsætningsmenuen.
2. Klik på <**FTP / E-mail**>.
3. Vælg <**FTP-konfiguration**> eller <**E-mail-konfiguration**>, og indtast / vælg den ønskede værdi.
   - FTP-konfiguration
     - Serveradresse : Indtast IP-adressen på den FTP-server, som du overfører alarm- eller hændelsesbillederne til.
     - ID : Indtast den bruger-id, som du vil logge ind på FTP-serveren med.
     - Adgangskode : Indtast adgangskoden til brugerkontoen for at logge på FTP-serveren.
     - Upload-bibliotek : Angiv den FTP-sti, hvortil du vil overføre alarm- eller hændelsesbillederne.

- Port : Standardporten på FTP-serveren er 21, men du kan bruge et andet portnummer i henhold til FTP-serverindstillingerne.
- Passiv funktion : Vælg <**Til**>, hvis du har brug for at oprette forbindelse i passiv funktion på grund af firewall eller indstillinger af FTP-server.

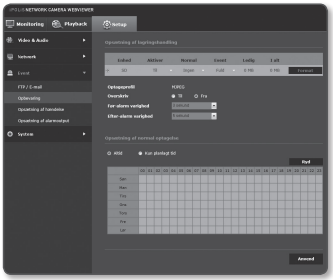
• E-mail-konfiguration
- Serveradresse : Indtast IP-adressen på den e-mail-server, som du overfører alarm- eller hændelsesbillederne til.
- Brug godkendelse : Vælg om der skal anvendes godkendelse.
- SSL-brug : Specificer brugen af SSL.
- ID : Indtast bruger-id til at logge ind på e-mail-serveren.
- Adgangskode : Indtast adgangskoden til brugerkontoen for at logge på e-mail-serveren.
- Port : Standardporten på e-mail-serveren er 25, men du kan bruge et andet portnummer i henhold til FTP-serverindstillingerne.
- Modtager : Indtast adressen på e-mail-modtageren.
- Sender : Indtast adressen på e-mail-afsenderen. Hvis afsenderadressen er forkert, kan e-mailen fra afsenderen blive klassificeret som SPAM af e-mail-serveren, så den muligvis ikke bliver sendt.
- Emne : Indtast et emne for din e-mail.
- Brødtekst : Angiv meddelelsens tekst. Vedhæft alarm- eller hændelsesbillederne til den e-mail, du er ved at lave.

4. Klik på [**Anvend (** Anvend **)**], når du er færdig.

Opbevaring

Du kan indstille optagelsesbetingelserne eller brugen af optagelse for SD-hukommelsen, kontrollere størrelsen på lagrede data eller formatere selve SD-hukommelsen.

1. Vælg fanen <**Event (**)> i opsætningsmenuen.
2. Klik på <**Opbevaring**>.

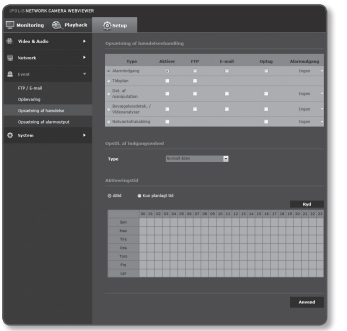


Sådan laver du en optagelse til SD-hukommelsen

1. Kontroller hukommelseskortets <**Ledig**> størrelse og <**I alt**> størrelse.
2. Hvis der er tilstrækkelig ledig plads, skal du indstille enheden til <**Til**>.
   Hvis det ikke er tilfældet, skal du kontrollere de lagrede data, og hvis ikke du mener, at de er vigtige, skal du derefter klikke på <**Format**> for at formatere SD-hukommelsen.
   - Hvis SD-hukommelseskortet skriver langsomt, vil der kun blive gemt ét billede i sekundet.
   - For et SD-hukommelseskort med stor kapacitet, vil formateringen tage tilsvarende længere tid.
   - Indstilling af højere opløsning, bithastighed og billedhastighed øger mængden af de genererede data. Efterhånden som datamængderne vokser, kan overført video kun lagres med 1 billede pr. sekund, selvom du indstiller optagekvaliteten til fulde billeder.
3. Angiv lagringshandlingen.
   - Optageprofil : Viser optageprofilens codec-type.
   - Overskriv : Hvis SD-hukommelsen er fuld, vil dette slette gamle data og gemme nye data i stedet for.
   - Før-alarm varighed : Angiv tidsrummet før alarmen forekommer. Fra dette tidspunkt vil billederne blive overført. Du kan angive op til 5 sekunder før forekomsten af alarmen.
   - Efter-alarm varighed : Angiv tidsrummet efter alarmen forekommer. På dette tidspunkt vil billederne blive overført. Du kan angive op til 120 sekunder efter alarmens forekomst.
   - Normal : Udfør optagelse med en bestemt billedhastighed
   - Event : Indstil optagelsestypen for en bestemt begivenhed, der opstar.
4. Angiv <**Opsætning af normal optagelse**>.
   - Altid : Gem altid optaget video på SD-hukommelseskortet.
     - Hvis indstillet til altid, kan aktiveringstiden ikke andres.
   - Kun planlagt tid : Optager kun på det angivne tidspunkt på den angivne dag i ugen.
   - [Ryd (Ryd)] : Genindstil alle indstillinger.
5. Klik på [**Anvend (** Anvend **)**], når du er færdig.

Alarmindgang

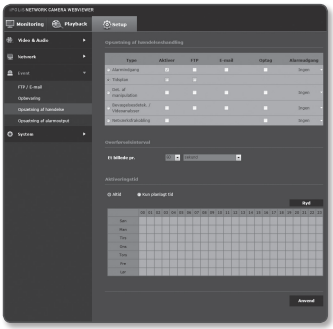
Du kan indstille alarmindgangstypen, aktiveringstiden og en funktionstilstand.



1. Vælg fanen <**Event** ( )> i opsætningsmenuen.
2. Klik på <**Opsætning af hænelse**>.
3. Vælg <**Alarmindgang**> under <**Opsætning af hændelseshandling**>.
4. Indstil valg af <**Aktiver**>.
5. Angiv en indgangsenhed.
   - Type
     - Normalt åben : Den er normalt åben, men hvis den er lukket, udløses en alarm.
     - Normalt lukket : Den er normalt lukket, men hvis den er åben, udløses en alarm.
6. Angiv <**Aktiveringstid**>.
   - Altid : Kontroller altid, om der forekommer en alarm.
     - Hvis denne er indstillet til <**Altid**>, kan aktiveringstiden ikke ændres.
   - Kun planlagt tid : Kontrollerer om en alarm forekommer på en angivet ugedag i et angivet tidsrum. Den aktiveres i betjent tilstand, når der forekommer en alarm.
   - [Ryd (Ryd)] : Genindstil alle indstillinger.
7. Angiven funktion, der skal udføres, hvis en alarm forekommer.
   - FTP : Angiv brugen af FTP-overførsel i opsætningen af alarmindgangen.
   - E-mail : Angiv brugen af e-mail-overførsel i opsætningen af alarmindgangen.
   - Optag : Angiv brugen af optagelse i opsætningen af alarmindgangen.
   - Alarmudgang : Vælg, om du vil indstille alarmudgangen, hvis der kommer en alarm, og angiv alarmudgangstiden.
8. Klik på [**Anvend** (Anvend)], når du er færdig.

Tidsplan

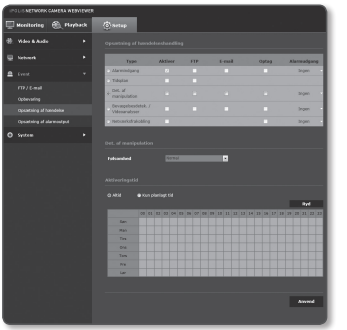
Du kan indstille lagring af videodata med et vist interval som planlagt uanset den faktiske forekomst af hændelsen.



1. Vælg fanen <**Event (** **)**> i opsætningsmenuen.
2. Klik på <**Opsætning af hænelse**>.
3. Vælg <**Tidsplan**> under <**Opsætning af hændelseshandling**>.
4. Indstil valg af <**Aktiver**>.
5. Angiv <**Overførselsinterval**>.
6. Angiv <**Aktiveringstid**>.
   - Altid : Aktiveres altid i betjent tilstand ved det indstillede interval.
   - Kun planlagt tid : Aktiveres periodisk i betjent tilstand på angivet dato og klokkeslæt.
7. Angiv optagelsesbetingelserne.
   - FTP : Angiv brugen af FTP-overførsel, hvis der indtræffer en begivenhed.
8. Klik på [**Anvend (** **Anvend** **)**], når du er færdig.

Det. af manipulation

Du kan indstille denne til detektering af manipulationsforsøg og udløsende hændelser, såsom pludselig ændring af kameraets optageretning, blokeret objektiv og andre generelle ændringer af scenerne i video.

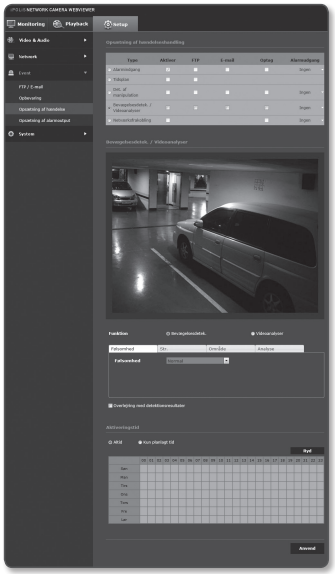


1. Vælg fanen <**Event (** **)**> i opsætningsmenuen.
2. Klik på <**Opsætning af hænelse**>.
3. Vælg <**Det. af manipulation**> under <**Opsætning af hændelseshandling**>.
4. Indstil valg af <**Aktiver**>.
5. Indstilling af følsomhed for detektering af manipulation.
   Jo højere følsomhed, desto mindre manipulationsforsøg registreres.
6. Angiv aktiveringstiden og aktiveringsbetingelserne.
   - Du kan finde flere oplysninger om <**Aktiveringstid**> og <**Aktion**> under "**Alarmindgang**". (side 70)
7. Klik på [**Anvend (** **)**], når du er færdig.

- Standardfunktionen til detektering af manipulation fungerer måske ikke korrekt i følgende tilfælde:
  - Forhold med enkel baggrund eller lav belysning og nattetid kan sænke detekteringsfølsomheden.
  - En kraftig rystelse af kameraet eller en drastisk ændring i belysningen kan ved en fejltagelse blive opfattet som manipulation.
  - Detektering af manipulation kan tage et stykke tid (maks. 5 sekunder) efter tidspunktet for manipulationen.
  - Når manipulation er blevet detekteret, genoptager kameraet normal drift efter en vis stabilitetsperiode (ca. 5 sekunder), hvori der ikke foretages nogen detektering.

Bevægelsesdetek. / Videoanalyser

ændelser med bevægelsesdetektering og videoanalyse kan indstilles til at udløse udsendelse af et hændelsessignal.



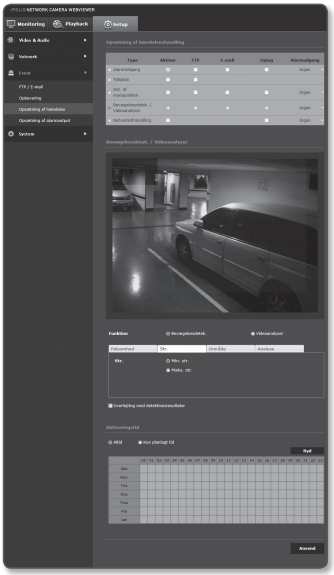
1. Vælg fanen <**Event (**)> i opsætningsmenuen.
2. Klik på <**Opsætning af hænelse**>.
3. Vælg <**Bevægelsesdetek. / Videoanalyser**> under <**Opsætning af hændelseshandling**>.
4. Indstil valg af <**Aktiver**>.
5. Vælg bevægelsesdetektering og intelligent videoanalyse efter behov.
6. Indstil <**Følsomhed**>, <**Str.**> and <**Område**>.
   Når intelligent videoanalyse er valgt, skal du også indstille <**Analyse**>.
7. Indstil, om der skal bruges <**Overlejring med detektionsresultater**>.
   Når en bevægelse detekteres, markeres dens størrelse og placering med et rektangel på skærmen.
   - Grøn : Alle mål detekteret som værende i bevægelse.
   - Rød : Alle mål detekteret som i passage, indgående eller udgående. (Den farvede markering forbliver i 1 - 2 sekunder.)
   - Blå : Alle mål detekteret som vises/skjules-hændelser. (Den farvede markering forbliver i 3 - 5 sekunder.)
8. Angiv aktiveringstiden og aktiveringsbetingelserne.
   - Du kan finde flere oplysninger om <**Aktiveringstid**> og <**Aktion**> under "**Alarmindgang**". (side 70)
9. Klik på [**Anvend (** Anvend)], når du er færdig.

opsætningsskærm

- Bevægelsesdetektering og Videoanalyse kan ikke bruges samtidigt.
- Før brug skal du indstille minimal og maksimal bevægelsesstørrelse, der passer til det bevægelsesområde, der ønskes detekteret.
- Angiv den maksimale og minimale registreringsstørrelse, der er relevant for de objekter, der skal registreres.
- Den registrerede størrelse på et objekt kan afvige fra den faktiske størrelse i henhold til dets form.
- Der kan vises op til 16 objekter fra den øverste del af skærmen.
- Hvis kameraet optager en genstand, der er tæt på, kan videoanalysens kapacitet forringes.
- I de følgende tilfælde kan bevægelsesdetektering og intelligent videoanalyse være forringet eller forårsage forkert detektering.
  - Objektets farve eller lysstyrke minder om baggrunden.
  - Små aktiviteter omkring grænseområdet for kameraets synsfelt.
  - Flere bevægelser bliver ved med at finde sted tilfældigt på grund af ændring i motivet eller andre årsager.
  - Et stillestående objekt bevæger sig fortsat i samme retning.
  - Bevægelser med mindre positionsændring, f.eks. når objekter nærmer sig kameraet eller fjerner sig fra det.
  - Objekt i bevægelse kommer for tæt på kameraet
  - En genstand skjuler andre genstande bagved.
  - To eller flere genstande overlapper hinanden, eller en genstand opdeles i flere dele.
  - Genstanden er for hurtig (for korrekt detektering skal en genstand overlappe mellem tilstødende rammer).
  - Refleksion/slør/skygge pga. stærkt lys som f.eks. direkte sollys, belysning eller hovedlampe.
  - I stærk sne, regn, vind eller ved daggry/skumring.

Sådan bruges bevægelsesdetektering

Den detekterer en bevægelse, der opfylder alle betingelserne, der er angivet for følsomhed, størrelse og område.



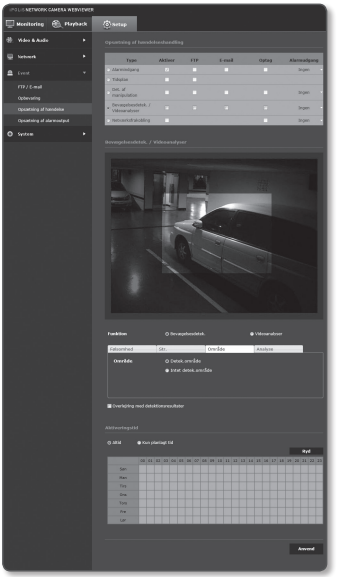
1. Vælg en bevægelsesde tekteringstilstand.
2. Vælg fanen <**Følsomhed**> for at indstille følsomhedsniveauet. Sensorens følsomhed kan indstilles til at detektere en bevægelse i forhold til overvågningsvideoens baggrund.

- I en situation, der objekter let kan skelnes fra baggrunde skal du indstille denne til et lavt følsomhedsniveau. I det modsatte tilfælde, hvor det er svært at skelne objekter, såsom situationer med svag belysning, skal du indstille den til et højt niveau.

3. Vælg fanen <**Str.**>. Du kan sætte minimum og maksimum for størrelsen af den bevægelse, der skal detekteres.
   - Min. str. : For at indstille den mindste størrelse for detekterede bevægelser skal du vælge <**Min. str.**> og derefter pege og trække til den ønskede størrelse på skærmen ved hjælp af musen.
   - Maks. str. : For at indstille den største størrelse for detekterede bevægelser skal du vælge <**Maks. str.**> og derefter pege og trække til den ønskede størrelse på skærmen med musen.

- Bevægelser mindre end den angivne minimum-størrelse eller større end maksimum-størrelsen detekteres ikke. For at undgå uønsket detektering på grund af kraftig og svag støj skal du indstille minimum og maksimum for bevægelsesstørrelserne i overensstemmelse med omgivelserne. Bemærk, at nogle bevægelser på samme placering kan detekteres med forskellig detektionsstørrelse. Det anbefales at overveje og medtage den acceptable forskel ved indstilling af minimum og maksimum for detektionsstørrelserne.

4. Vælg fanen <**Område**>.
   Du kan angive et område på skærmen, som skal medtages i eller udelukkes fra detektering.
   Du kan angive op til 4 regioner.
   - Detek. område : Indstiller hele skærmen som værende udelukket fra detektering og tilføjer den angivne region som regionen for bevægelsesdetektering. Træk med musen for at angive de foretrukne regioner som region for bevægelsesdetektering.
   - Intet detek. område : Indstiller hele skærmen som region for bevægelsesdetektering og udelukker den angivne region fra detektering. Træk med musen for at angive de foretrukne regioner som region uden bevægelsesdetektering.
5. Hvis du vil slette en region, skal du højreklikke på skærmen for at åbne popup-genvejsmenuen, vælge Slet og trykke på knappen [**OK**].



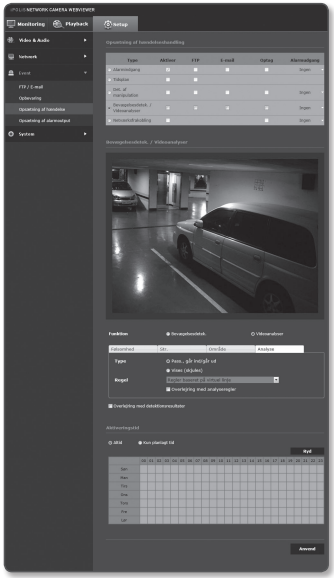
- Alle definerede regioner slettes.

6. Klik på [**Anvend (** Anvend **)**], når du er færdig.

Sådan bruges videoanalyse

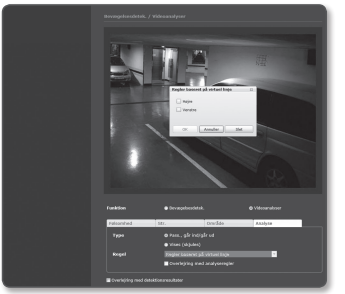
Den detekterer hændelser, der opfylder alle betingelserne for følsomhed, størrelse og region samt reglerne for hændelsestilstand.

1. Vælg tilstand for videoanalyse.
2. Indstil <**Følsomhed**>, <**Str.**> and <**Område**>. Se "**Sådan bruges bevægelsesdetektering**" for flere detaljer. (side 75 - 76)
3. Vælg fanen <**Analyse**>.
4. Vælg tilstand for videoanalyse.
   - Pass., går ind/går ud : Detekterer bevægelser med indgang i, eller udgang fra en virtuel linje, som er angivet af brugeren.
   - Vises (skjules) : Detekterer bevægelser for objekter, der vises på eller skjules fra den brugerdefinerede region eller hele skærmområdet.
5. Indstil regler for videoanalyse. Se "**Sådan indstilles regler for videoanalyser**" for flere oplysninger. (side 78 - 79)
6. Indstil, om der skal bruges <**Overlejring med detektionsresultater**>. Angivne regler for virtuelle linjer og regioner vises på overvågningssiden.
7. Klik på [**Anvend (** Anvend **)**], når du er færdig.



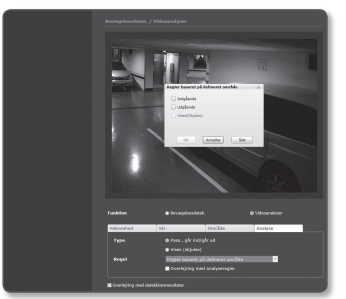
Sådan indstilles regler for videoanalyse

■ Pass.



1. Indstil typen til <**Pass., går ind/går ud**>.
2. Indstil hændelsesreglen til <**Regler baseret på virtuel linje**>.
3. Klik på skærmen på det ønskede start- og slutpunkt for den virtuelle linje. Et popup-vindue vises.
4. Vælg den ønskede regel:
   - Højre : Detekterer bevægelser fra venstre mod højre hen over den virtuelle linje.
   - Venstre : Detekterer bevægelser fra højre mod venstre hen over den virtuelle linje.
5. Klik på [**OK**].
6. For at fjerne en defineret regel skal du højreklikke på den viste virtuelle linje for at åbne popup-genvejsmenuen og vælge knappen [**Slet**].

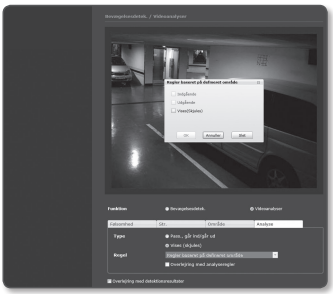
■ Går ind/går ud



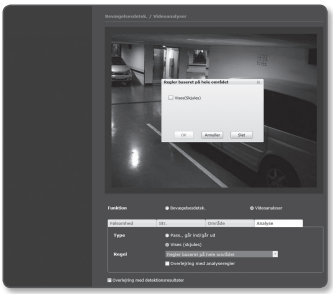
1. Indstil typen til <**Pass., går ind/går ud**>.
2. Indstil hændelsesreglen til <**Regler baseret på defineret område**>.
3. Klik på skærmen på fire knudepunkter for at definere overvågningsområdet. Et popup-vindue vises.
4. Vælg den ønskede regel:
   - Indgående : Detekterer bevægelser af objekter, hvis midtpunkt kommer ind i det definerede område udefra.
   - Udgående : Detekterer bevægelser af objekter, hvis midtpunkt bevæger sig ud af det definerede område indefra.
5. Klik på [**OK**].
6. For at fjerne en defineret regel skal du højreklikke på de viste sidelinjer for området for at åbne popup-genvejsmenuen og vælge knappen [**Slet**].

▪ Vises (skjules)

1. Indstil analysetypen til <**Vises (skjules)**>.
2. Vælg den ønskede hændelsesregel :
   - Regler baseret på defineret område : Detekterer begivenhed med objekt, der vises eller skjules i området og bliver der et bestemt tidsrum, mens det ikke passerer gennem områdets grænser, samt det modsatte tilfælde, hvor objekter, som fandtes i området, forsvinder.
     Klik på de fire knudepunkter på skærmen for at definere detekteringsområdet.Vælg [**Vises (Skjules)**] fra popup-menuen.



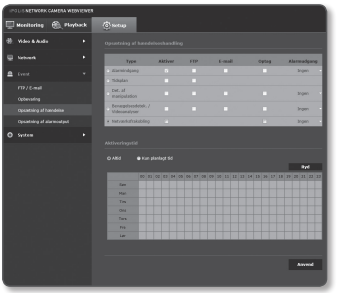
   - Regler baseret på hele området : Detekterer begivenhed med objekt, der dukker op på hele skærmen og bliver et bestemt tidsrum, og det modsatte tilfælde, hvor objekter, som fandtes på skærmen, forsvinder. Højreklik på skærmen for at åbne popup-genvejsmenuen, og vælg [**Vises(Skjules)**].



3. Klik på [**OK**].
4. For at fjerne en defineret regel skal du højreklikke på de viste sidelinjer for området eller på skærmen for at åbne popup-genvejsmenuen og vælge knappen [**Slet**].

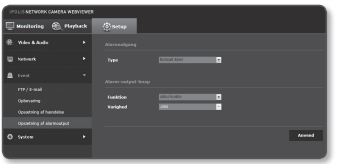
Netværksfrakobling

Du kan modtage og gemme hændelser for et fysisk adskilt netværk.



1. Vælg fanen <**Event (** **)**> i opsætningsmenuen.
2. Klik på <**Opsætning af hænelse**>.
3. Vælg <**Netværksfrakobling**> under <**Opsætning af hændelseshandling**>.
4. Indstil valg af <**Aktiver**>.
5. Angiv aktiveringstiden og aktiveringsbetingelserne.
   - Du kan finde flere oplysninger om <**Aktiveringstid**> og <**Aktion**> under "**Alarmindgang**". (side 70)
6. Klik på [**Anvend (** **)**], når du er færdig.

Opsætning af alarmudgang



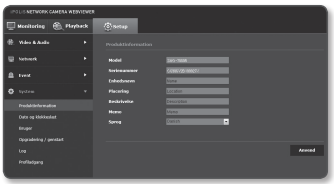
1. Vælg fanen <**Event (** **)**> i opsætningsmenuen.
2. Klik på <**Opsætning af alarmoutput**>.
3. Indstil typen for kameraets alarmudgang.
   - Hvis du ændrer typen for alarmudgang, vil Alarm ud-knappen på overvågningssiden og typen af alarmudgang, som vises på siden til opsætning af hændelse, blive ændret i overensstemmelse hermed.

- Type
  - Normalt åben : Betragter status med "åbent kredsløb" for sensoren eller alarm-indgangsenheden som normal og udløser en alarmhændelse, hvis status bliver "lukket kredsløb".
  - Normalt lukket : Betragter status med "lukket kredsløb" for sensoren eller alarm-indgangsenheden som normal og udløser en alarmhændelse, hvis status bliver "åbent kredsløb".

4. Indstil knappen for alarmudgang.
   - Funktion : Indstil typen af alarmudgang.
     - Der er forskel på driften, når der klikkes på alarmudgangsknappen, mens den er deaktiveret.
     - Puls : Aktiveres i tidsrummet, som er angivet som varighed (skifteinterval) og bliver derefter automatisk inaktiv.
     - Aktiv/inaktiv : Forbliver aktiveret, indtil brugeren klikker på knappen igen for at gøre den inaktiv.
   - Varighed : Indstil alarmvarigheden, hvor den opretholdes aktiveret, hvis tilstanden er indstillet til impuls, fra 1 til 15 sekunder.
5. Klik på [**Anvend (** Anvend **)**], når du er færdig.

SYSTEMOPSÆTNING

Produkinformation

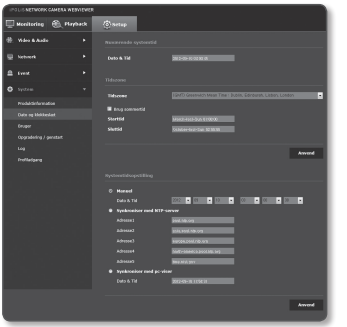


1. Vælg fanen <**System (** **)**> i opsætningsmenuen.
2. Klik på <**Produkinformation**>.
3. Kontrollér kamerainformationen, eller angiv oplysninger i henhold til dit netværksmiljø.
   - Model : Produktets modelnavn.
   - Serienummer : Produktets serienummer.
   - Enhedsnavn : Giv et enhedsnavn, der vises på Live-skærmen.
   - Placering : Angiv den placering, hvor kameraet er installeret.
   - Beskrivelse : Angiv detaljerede oplysninger om kameraets placering.
   - Memo : Angiv en forklaring om kameraet med henblik på bedre forståelse.
   - Sprog : Vælg det foretrukne sprog for visning på skærmen for Web Viewer.

- Standardsproget er indstillet til <**English**>.

4. Klik på [**Anvend (** Anvend **)**], når du er færdig.

Dato og klokkeslæt

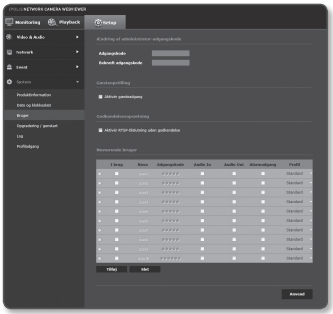


1. Vælg fanen <**System (** ⚙ **)**> i opsætningsmenuen.
2. Klik på <**Dato og klokkeslæt**>.
3. Angiv klokkeslæt og dato, der skal anvendes på kameraet.
   - Nuværende systemtid : Viser systemets aktuelle tidsindstillinger.
   - Tidszone : Angiv den lokale tidszone baseret på GMT.
   - Brug sommertid : Hvis dette er afkrydset, så vil klokkeslættet være indstillet en time før den lokale tidszone for den angivne tidsperiode. Denne indstilling vises kun i områder, hvor der anvendes sommertid.
   - Systemtidsopstilling : Angiv klokkeslæt og dato, der skal anvendes på systemet.
     - Manuel : Angiv klokkeslættet manuelt.
     - Synkroniser med NTP-server : Synkroniser med klokkeslættet for den angivne serveradresse.
     - Synkroniser med pc-viser : Indstiller til tiden for den tilsluttede computer.
4. Klik på [**Anvend (** Anvend **)**], når du er færdig.

- Hvis du vælger <**Synkroniser med pc-viser**>, skal standardtidszonen være den samme som den aktuelle tidszone i pc'en.

Bruger

1. Vælg fanen <**System (** ⚙ **)**> i opsætningsmenuen.
2. Klik på <**Bruger**>.
3. Angiv de nødvendige brugeroplysninger.
   - Ændring af administrator-adgangskode : Skift adgangskoden for administratoren.
     - Standardadgangskoden kan blive eksponeret for hackertrusler, så det anbefales at skifte adgangskode efter installation af produktet.
       Bemærk, at sikkerhed og andre relaterede problemstillinger forårsaget af uændret adgangskode er brugerens ansvar.

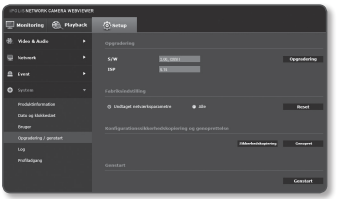


   - Gæsteopstilling : Hvis du vælger <**Aktivér gæsteadgang**>, har gæstekontoen adgang til Web Viewer-skærmen, men kan kun vise Live viewer-skærmen.
     - ID'et/adgangskoden for gæstekontoen er <**guest/guest**>, og dette kan ikke ændres.
   - Godkendelsesopsætning : Hvis du vælger <**Aktivér RTSP-tilslutning uden godkendelse**>, har du adgang til RTSP uden at logge på og se videoen.
   - Nuværende brugere : Hvis du vælger <**I brug**>, kan du indstille eller ændre brugertilladelserne.
     - Administratoren kan indstille tilladelser for lydindgang, lydudgang og alarmudgang.
     - Profil : Hvis du vælger <**Standard**>, kan du kun se standardprofilvideo, hvis du vælger <**Alle**>, kan du se de fulde profilvideoer.

- ONVIF-funktioner, som er tilgængelige for en registreret bruger, som har tilladelse til at bruge ONVIF-funktioner, er begrænset til de brugere, som har modtaget tilladelse.
- Information om videooverførsel og videoskift: Indstil profilen til <**Alle**>, og indstil lydindgang og lydudgang.
- Videooverførsel, ændring af videoinformation, alarmudgang: Indstil profilen til <**Alle**>, og indstil resten efter behov.

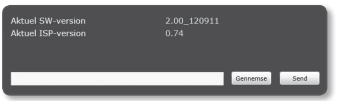
4. Klik på [**Anvend (** Anvend **)**], når du er færdig.

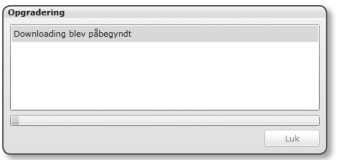
Opgradering / genstart



1. Vælg fanen <**System (** ⚙ **)**> i opsætningsmenuen.
2. Klik på <**Opgradering / genstart**>.
3. Vælg det ønskede element, og indstil det til en passende værdi.
   - Opgradering : Udfører opgradering af systemet.
   - Fabriksindstilling : Nulstiller systemet til fabriksindstillingerne.
     - Undtaget netværksparametre : Nulstiller alle indstillinger, undtagen netværksindstillingerne.
     - Alle : Nulstiller alle indstillinger, inklusive kameraets indstillinger. (dog vil loginformationen ikke blive nulstillet)
       - IP-adressesystemet går tilbage til DHCP, hvis du nulstiller kameraet. Hvis der ikke findes en DHCP-server, gendannes den tidligere indstilling automatisk.
   - Konfigurationssikkerhedskopiering og genoprettelse : Foretager sikkerhedskopiering af de aktuelle systemindstillinger, før gendannelse udføres. Systemet genstarter automatisk efter sikkerhedskopiering eller genoprettelse.
   - Genstart : Genstarter systemet.

Sådan udføres opgraderingen



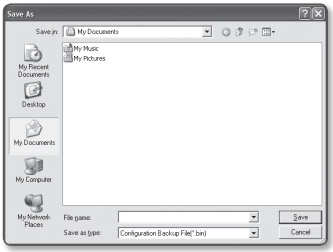


1. Klik på [**Opgradering**].
2. Klik på [**Gennemse**], og angiv en fil til opgradering.
3. Klik på [**Send**].
4. Dialogboksen "**Opgradering**" vises, med status vist for neden.
5. Når du er færdig med opgraderingen, afsluttes browseren, og kameraet genstarter.

- Opgraderingsprocessen tager højst 20 minutter.
  Hvis du afslutter opgraderingen med magt, vil opgraderingen ikke blive fuldført korrekt.
- Under genstart af systemet er der ikke adgang med web viewer.
- Du kan hente den nyeste version fra Samsungs websted (www.samsungcctv.com).

Sikkerhedskopiering af de aktuelle indstillinger

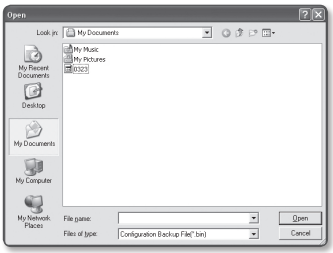
1. Klik på [**Sikkerhedskopiering**].
   Dialogboksen Save As vises.
2. Angiv sikkerhedskopieringsstien med et korrekt filnavn, og klik på [**Save**].
   Den sikkerhedskopierede fil gemmes i den angivne sti med filtypen "**.bin**".



Gendannelse af de sikkerhedskopierede indstillinger

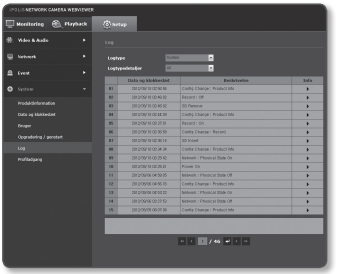
1. For at gendanne sikkerhedskopieringsindstillingerne skal du klikke på [**Genopret**].
2. Vælg en sikkerhedskopieringsfil, og klik på [**Open**].

- Hvis du kører sikkerhedskopiering eller gendannelse, lukker webbrowseren, og kameraet genstarter.



Log

Du kan kontrollere systemloggen eller begivenhedsloggen.

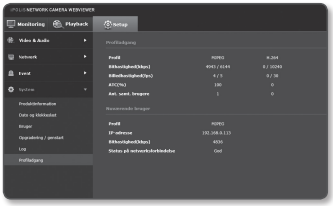


1. Vælg fanen <**System ( )**> i opsætningsmenuen.
2. Klik på <**Log**>.
3. Vælg en søgningstype.
   - System : Du kan kontrollere systemets logfiler, når der registreres systemændringer, inklusive tidsoplysninger.
   - Event : Du kan kontrollere begivenhedslogs inklusive tidsoplysninger.
4. Vælg et element at søge efter i den rigtige logliste.
   - Hvis du vælger <**All**> i rullelisten øverst til venstre, vil alle logfiler for den relevante logtype blive vist.
5. Hvis en side ikke kan vise alle tilgængelige logfiler, skal du bruge de nederste knapper til at flytte til forrige, næste eller sidste element.

- Hvis du ønsker at få vist de detaljerede oplysninger om en log, skal du klikke på [**Info ( )**] i loggens højre kolonne, vil loginformationen blive vist i den nederste rude.
- Hver side viser 15 logfiler med den nyeste vist øverst.
- Listen over begivenheds-/systemlogfiler kan indeholde op til 1000 logfiler. Herefter vil den ældste blive slettet, hver gang der oprettes en ny log.

Profiladgang

Du kan kontrollere profilinformationen.



1. Vælg fanen <**System** ( )> i opsætningsmenuen.
2. Klik på <**Profiladgang**>.
   - Profiladgang : Vis oplysninger om den nyligt tilføjede profil.
     - Profil : Vis oplysninger om den nyligt tilføjede codec.
     - Bithastighed(kbps) : Vis både den faktiske bithastighed og den indstillede bithastighed.
     - Billedhastighed(fps) : Vis både den faktiske billedhastighed og den indstillede billedhastighed.
     - ATC(%) : Vis ATC-status.
     - Ant. samt. brugere : Vis antallet af samtidige brugere, der tilgår profilen.
   - Nuværende bruger : Viser oplysninger om brugere, der tilgår web viewer og viser overvågningsvideo.
     - Profil : Vis navnet på den profil, tilgås af brugeren.
     - IP-adresse : Vis IP-addressen for den aktuelle bruger.
     - Bithastighed(kbps) : Vis den aktuelle bithastighed.
     - Status på netværksforbindelse : Du kan kontrollere status for netværksforbindelsen.

- Hvis du vil se oplysninger om den aktuelt anvendte profil, skal du klikke på <**Profiladgang**> igen for at opdatere den.

SPECIFIKATION

Elementer		Beskrivelse
Video	Billedenhed	1/2,8" 3 M PS-CMOS
	Pixels i alt	2,144 (H) x 1,588 (V)
	Effektive pixels	2,096 (H) x 1,561 (V)
	Scanningssystem	Progressiv
	Mindste belysning	Farve: 1 lux (F1,2, 50 IRE), B/W:0 lux (F1,2, 50 IRE, IR-SENSOR TIL)
	Signal/støjforhold	50dB
	Videoudgang	CVBS: 1,0 Vp-p / 75Ω komposit, 704x480(N), 704x576(P), til installation
Objektiv	Brændvidde (zoomforhold)	3~8,5 mm (2,8 X) motoriseret variabel fokus
	Maks. blænde	F1,2
	Synsviddevinkel	H : 94˚(Vidvinkel) ~ 32,9˚(Tele), V : 69,86˚(Vidvinkel) ~ 24,92˚(Tele)
	Fokuskontrol	Fjernbetjening via netværk (Manuel, Én op. AF)
	Objektivtype	DC-autoblænde
	Fatning	Board-in-type
Automatisk sporing	IR-LED	32 stk.
	Synlig længde	30 m
	Kameratitel	Fra / Til (op til 15 tegn vises)
	Dag og nat	Auto (ICR) / farve / B/W
	Modlyskompensation	Fra / BLC / HLC
	Bredt dynamisk område	Fra / Til (* kun i 2M tilstand)
	Kontrastforbedring	SSDR (Samsung Super Dynamic Range) (Fra / Til)
	Digital støjreduktion	SSNRIII (2D+3D støjfilter) (Fra / Til)
	Digital billedstabilisering	-
	Bevægelsesdetektering	Fra / Til (4 programmerbare zoner)

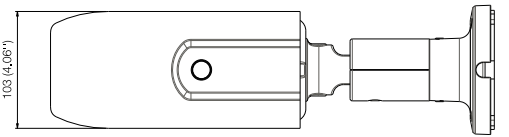
Elementer		Beskrivelse
Automatisk sporing	Personlig maske	Fra / Til (1 x 4 punkts polyfon + 16 x rektangulære zoner)
	Sens-up (billedintegration)	Fra / Auto (2X ~ 60X)
	Niveauregulering	Fra / Lav / Medium / Høj
	Hvidbalance	ATW / AWC / Manuel / Indendørs / Udendørs
	Elektronisk lukkerhastighed	---/ESC / A.FLK / Manuel (2M-tilstand : 1/30 s ~ 1/12.000 s, 3M-tilstand : 1/21 s ~ 1/12.000 s)
	Digital zoom	-
	Vend / spejlvend	Fra / Til
	Intelligent videoanalyse	Manipulation, Virtuel linje, Gå ind / Afslut, Vises(Skjules)
	Alarm-indgang/udgang	Digital indgang 1 stk. / Digital indgang 1 stk. (relæ)
	Fjernstyringsgrænseflade	-
	RS-485-protokol	-
	Alarmudløsere	Bevægelsesdetek., Videoanalyser, Alarmindgang, Netværksfrakobling
	Alarmhændelser	• Filupload via FTP, E-mail • Besked via E-mail, TCP • Lokal lagringsoptagelse (SD/SDHC) på netværk frakoblet
Netværk	Ethernet	RJ-45 (10/100BASE-T)
	Videokomprimeringsformat	H.264, MJPEG
	Opløsning	<2M-tilstand> 1920x1080P(Full HD), 1280x1024, 1280x960, 1280x720P(HD), 1024x768, 800x600, 800x450, 640x480, 640x360, 320x240, 320x180 <3M-tilstand> 2048x1536, 1920x1080P(Full HD), 1600x1200, 1280x1024, 1280x960, 1280x720P(HD), 1024x768, 800x600, 800x450, 640x480, 640x360, 320x240, 320x180

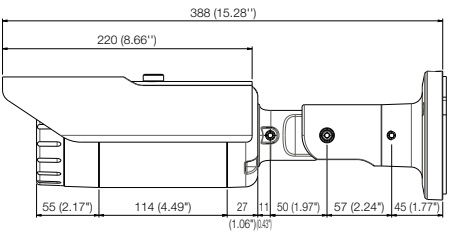
Elementer		Beskrivelse
Netværk	Maks. billedhastighed	<2M-tilstand> * H.264 : Maks. 30 bill./s ved alle opløsninger (Når WDR er TÆNDT, maks. billedhastighed 15 bill./s) * MJPEG : 800x600 ~ 320x180 - 30 bill./s 1024x768 ~ 1920x1080 - 15 bill./s <3M-tilstand> * H.264 : Maks. 20 bill./s ved alle opløsninger * MJPEG : 800x600 ~ 320x180 - 20 bill./s 1024x768 ~ 1920x1080 - 15 bill./s 2048x1536 - 10 bill./s
	Smart Codec	Ja (Områdebaseret metode, Ansigtsdetekteringsmetode)
	Justering af videokvalitet	H.264 : Komprimeringsniveau, kontrol med målbithastighed MJPEG : Kontrol med kvalitetsniveau
	Kontrolmetode til bithastighed	H.264 : CBR eller VBR MJPEG : VBR
	Stream-mulighed	Flere streams (op til 6 profiler)
	Lydindgang/udgang	Mikrofon / Linje ind, Linje ud
	Lydkomprimeringsformat	G.711 μ-law
	Lydkommunikation	2 vejs
	IP	IPv4, IPv6
	Protokol	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3 (MIB-2), ARP, DNS, DDNS, QoS
	Sikkerhed	HTTPS (SSL) login-godkendelse Digest login-godkendelse IP-adressefiltrering Brugeradgangslog 802.1X godkendelsesmetode

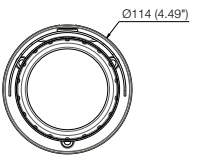
Elementer		Beskrivelse
Netværk	Stream-metode	Unicast / Multicast
	Maks. brugeradgang	10 brugere i Unicast-tilstand
	Hukommelsesslot	SD/SDHC-hukommelsesslot (4GB)
	ONVIF-kompatibel	Ja
	Hjemmesidesprog	Engelsk, Fransk, Tysk, Spansk, Italiensk, Kinesisk, Koreansk, Russisk, Japansk, Svensk, Dansk, Portugisisk, Tjekkisk, Polsk, Tyrkisk, Rumænsk, Serbisk, Hollandsk, Kroatisk, Ungarsk, Græsk, Finsk, Norsk
	Web Viewer	Understøttede operativsystemer : Windows XP / Vista / 7, Mac OS Understøttede browsere : Internet Explorer 7.0 eller nyere, Firefox, Chrome, Safari
	Central administrationssoftware	NET-i viewer
Miljø	Driftstemperatur / luftfugtighed	24 V vekselstrøm : -50°C ~ +55°C (-58°F ~ +131°F) / ~ 90% RH (varmer aktiveret) 12 V jævnstrøm, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / ~ 90% RH (varmer deaktiveret)
	Indtrængningsbeskyttelse	IP66-klassificering (vandtæt)
Elektrisk	Indgangsspænding/strøm	12V jævnstrøm/ 785mA, 24V vekselstrøm/ 880mA (varmer aktiveret), PoE (IEEE802.3af)/ 220mA
	Strømforbrug	Maks. 11,3W (varmer deaktiveret), Maks. 16,5W (varmer aktiveret) * Varmer fungerer kun ved vekselstrømstilslutning.
Mekanisk	Farve / Materiale	Mørkegrå / metal
	Dimension (B x H x D)	B144,0 x H144,0 x D388,0 mm
	Vægt	1,8kg

PRODUKTOVERSIGT

Enhed: mm (tommer)







PROBLEMLØSNING

PROBLEM	LØSNING
Jeg kan ikke få adgang til kameraet fra en webbrowser.	• Kontroller, om kameraets netværksindstillinger er korrekte. • Kontroller, om alle netværkskabler er tilsluttet korrekt. • Hvis tilsluttet med DHCP: Kontroller, om kameraet kan hente dynamiske IP-adresser uden problemer. • Hvis kameraet er sluttet til en router: Kontroller, at port forwarding er konfigureret korrekt.
Fremviser blev frakoblet under overvågning.	• Tilsluttede fremvisere bliver frakoblet ved enhver ændring af kamera- eller netværkskonfiguration. • Kontroller alle kabelforbindelser. • Hvis kameraet er tilsluttet via et PPPoE-netværk, kan det være, at fremviseren bliver frakoblet under ringe netværksbetingelser.
Jeg kan ikke slutte til systemet med en browserfane i Internet Explorer 7.0.	• Når du forsøger at slutte til systemet med en browserfane, deles de samme cookieinformationer, og det resulterer i fejl ved tilslutning. I stedet for at bruge en browserfane skal du derfor åbne et nyt browservindue for at slutte til systemet.
Kameraet, der er sluttet til netværket, detekteres ikke i IP-installationsprogrammet.	• Deaktiver alle firewall-indstillingerne på din pc, og søg efter kameraet igen.
Billeder overlapper.	• Kontroller om to eller flere kameraer er indstillet til den samme multicast-adresse i stedet for to forskellige adresser. Hvis den samme adresse anvendes til flere kameraer, kan billederne overlappe.
Der er intet billede.	• Hvis overførselsmetoden er indstillet til multicast: Kontroller, om det er en router, der understøtter multicast på LAN'et, som kameraet er sluttet til.

PROBLEM	LØSNING
<Bevægelsesdetek. / Videoanalyser> for <Opsætning af hændelse> er indstillet til <Aktiver>, men jeg modtager ikke nogen e-mail med underretning, selvom en analysehændelse er forekommet.	• Kontroller indstillingerne i følgende rækkefølge: A. Kontrollér indstillinger af <Dato og klokkeslæt>. B. <Bevægelsesdetek. / Videoanalyser> skal indstilles til <Aktiver>. C. Kontroller, om indstillingen <E-mail> for <Opsætning af hændelseshandling> er markeret til at blive anvendt.
Kan jeg definere hændelsesregler, selvom jeg ikke bruger <Bevægelsesdetek. / Videoanalyser>?	• Du kan indstille regler for begivenheder uanset indstillingen af intelligent videoanalyse.
Der findes ikke noget signal på alarmudgangsporten, selv når der genereres en intelligent videoanalysebegivenhed.	• Kontrollér alarmudgangsportens indstillinger.
Kan ikke optage på SD-hukommelseskortet.	• Kontrollér, om hukommelseskortet er defekt. • Kontrollér, om beskyttelsestappen på hukommelseskortet står på "LOCK".
SD-hukommelseskortet er indsat, men kameraet fungerer ikke korrekt.	• Kontrollér, om hukommelseskortet er indsat i den rigtige retning. Anvendelse af hukommelseskort, der er formateret af andre enheder, garanteres ikke med denne kameraenhed • Formatér hukommelseskortet igen i menuen <Setup> → <Event> → <Opbevaring>.
Kan ikke formatere SD-hukommelseskortet.	• Kontrollér, om beskyttelsestappen på hukommelseskortet står på "LOCK".

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For at beskytte naturens ressourcer og fremme genbrug, skal batterier holdes adskilt fra andre typer affald og genanvendes via dit lokale, gratis batteriretursystem.

SALGSNETVÆRK

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