

WiSeNet

NÄTVERKSVIDEOINSPELARE

Produktspecifikationsmanual

XRN-410S/810S
QRN-410/810
QRN-410S/810S/1610S



Nätverksvideoinspelare

Produktspecifikationsmanual

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Logotypen

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

Begränsning

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- ❖ Utseendet och specifikationerna kan ändras utan föregående meddelande.
Du kan nu hämta den senaste versionen från webbsidan för Hanwha Techwin. (www.hanwha-security.com)

- ❖ Det initiala administratörs-ID:t är "admin" och lösenordet ska ställas in vid första inloggningen.
Ändra lösenordet var tredje månad för att skydda personlig information och förhindra skada till följd av informationsstöld.
Observera att säkerheten och andra problem som orsakas av felhantering av lösenord är användarens ansvar.

VIKTIGA SÄKERHETSANVISNINGAR

Läs de här användaranvisningarna noggrant innan du använder enheten.
Följ alla säkerhetsanvisningar som anges nedan.
Förvara de här användaranvisningarna på ett lättåtkomligt ställe för framtida referens.

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



INNAN DU BÖRJAR

Denna manual innehåller nödvändig driftsinformation för att använda produkten och en beskrivning över varje del och dess funktion samt meny- eller nätverksinställningar.
Du behöver komma ihåg följande meddelanden :

- Hanwha Techwin bibehåller all upphovsrätt till den här bruksanvisningen.
- Den här bruksanvisningen får inte kopieras utan föregående skriftligt samtycke från Hanwha Techwin.
- Vi ansvarar inte för någon förlust av produkten som uppstår till följd av att produkten inte används korrekt eller att användaren bryter mot instruktionerna som beskrivs i den här bruksanvisningen.
- Om du vill öppna kåpan för att kontrollera problem ska du kontakta butiken där du köpte produkten.
- Innan du installerar ytterligare en hårddisk eller ansluter en SATA-enhet till denna produkt ska du kontrollera om den är kompatibel med produkten.

Varning

Batteri

Om du byter till ett felaktigt batteri i produkten kan det orsaka explosion. Därför måste du använda samma typ av batteri som det som innan har använts i produkten.
Nedan följer specifikationer för det batteri du använder nu.

- Normal spänning : 3V
- Normal kapacitet : 210mAh
- Oavbruten standardlast : 0,4mA
- Driftstemperatur : 20°C ~ +60°C (-4°F ~ +140°F)

Försiktig

- Anslut strömladdan till ett jordat uttag.
- Huvudkontakten används som urkopplingsenhet och ska vara fullt åtkomlig och funktionsduglig hela tiden.
- Batterier ska inte utsättas för överdriven hetta, exempelvis sol, eld eller liknande.
- Det finns risk för explosion om batteriet byts mot ett av fel typ. Avyttra använda batterier i enlighet med anvisningarna.
- När HDD:n når slutet av sin livslängd kan lagrade videodata skadas och inte återställas.
- HDD:ns status-LED på systemets framsida blinkar kontinuerligt för att indikera att systemets anslutning till HDD:n är normal. Kontrollera HDD-statusen för LED-lampan regelbundet för att se om den blinkar utan avbrott. Inspelning kanske inte är möjlig vid HDD-fel.
Kontrollera med jämna mellanrum inspelningsstatus och säkerhetskopiera viktiga data.

Systemnedstängning

Om du slår av strömmen under tiden produkten används, eller vidtar några åtgärder kan det orsaka skada på hårddisken eller produkten. Detta kan även göra att hela hårddisken inte fungerar som den ska när produkten används.

Tryck på <OK> i popupfönstret för systemnedstängning och ta bort strömkabeln för att säkerställa säker strömvstängning.

Du kanske vill installera ett UPS-system för säker användning för att förhindra skador som orsakas av ett oväntat strömbrott. (För alla frågor rörande UPS ska du kontakta UPS-återförsäljaren)



- Om produkten stängs av på fel sätt kan det ta längre tid att återställa data från hårddisken för korrekt funktion.

Driftstemperatur

Den garanterade drifttemperaturen för produkten är 0°C ~ 40°C (32°F ~ 104°F).
Den här produkten kanske inte fungerar som den ska om du kör den direkt efter en lång tid av förvaring och om temperaturen ligger under den rekommenderade.
När du använder enheten efter en lång tids förvaring i låg temperatur ska du placera produkten i rumstemperatur en stund och sedan starta den.
Framförallt för produktens inbyggda hårddisk, som har en garanterad drifttemperatur på 5–55°C (41°F ~ 131°F).
Det är inte säkert att hårddisken fungerar i temperaturer som understiger den garanterade.

Ethernet-port

Den här utrustningen används inomhus och alla kommunikationer är begränsade inom byggnaden.

Säkerhetsåtgärder

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Observera att säkerheten och andra problem som orsakas av felhantering av lösenord är användarens ansvar.

NVR-produkter har stöd för alla funktioner

Funktion	Produkter
Fläkt	QRN-810, QRN-810S, XRN-410S, QRN-410, QRN-410S
PoE	QRN-1610S, XRN-810S, QRN-810S, XRN-410S, QRN-410S
P2P	QRN-1610S, XRN-810S, QRN-810, QRN-810S, XRN-410S, QRN-410, QRN-410S
Fjärrstyrning	QRN-1610S, XRN-810S, QRN-810, QRN-810S, XRN-410S, QRN-410, QRN-410S Modellerna QRN-410/QRN-410S och XRN-410S kanske inte stöder fjärrkontrollen, beroende på säljregion.

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FEATURES

The product records video and audio from network cameras to a hard disk, and enables playback from the hard disk. It also provides remote monitoring environment for video and audio over the network using a remote computer.

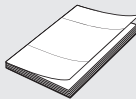
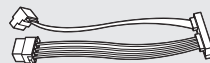
- User-friendly UI
- Supports a range of 4K camera resolutions
- Outputs a 4K high definition image using HDMI
- Record and play video
- Record and play audio
- Supports ONVIF Profile S standard and RTP / RTSP protocols
- Display the HDD operation status by HDD SMART
- HDD overwrite enabled
- Backup using USB 2.0, 3.0 protocols and external HDD
- Simultaneous play of 4, 8 channels
- Various Search Modes (Time, Event, Smart, Text, Backup, ARB)
- ARB support (configuration feature for saving period by channel)
- Various Recording Modes (Normal, Event, Scheduled Recording)
- Alarm Input / Output
- Remote Monitoring function by Windows Network Viewer
- Live monitoring of the network camera
- Installation Wizard Function (Easy Setup, Quick Setup)
- Supports the smartphone remote monitoring feature by P2P support
- Provides smartphone event alarm (sending real-time event messages)

Förpackningens Innehåll

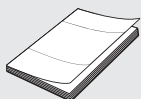
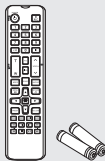
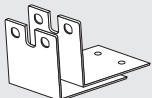
Ta upp produkten ur förpackningen och placera den på en plan yta, eller där den ska installeras. Kontrollera att följande innehåll medföljer huvudenheten.

- Tillbehören och antalet tillbehör kan skilja sig åt beroende på försäljningsområdet.

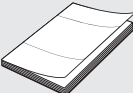
XRN-410S/QRN-410/QRN-410S

		
NVR	mus	Strömkabel
		
Strömadapter	Snabbmanual	Kopplingsplint (ej tillgänglig på QRN-410S)
		
HDD-fixerskruv (För modeller som inte har en HDD installerad)	SATA-kabel (För modeller som inte har en HDD installerad)	

XRN-810S/QRN-1610S

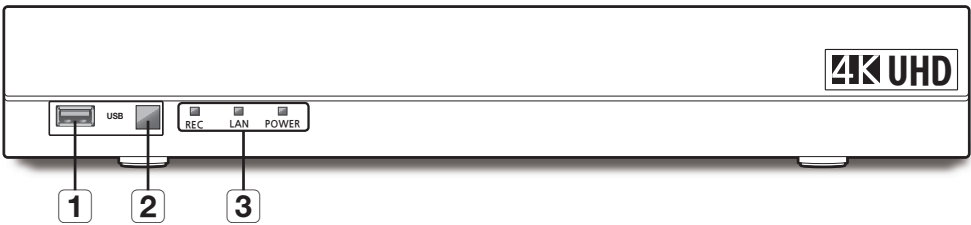
		
NVR	mus	Strömkabel
		
Snabbmanual	Kopplingsplint	Fjärrkontroll / Fjärrkontroll Batteri (AAA)
		
Konsolfäste	Fixeringsskruv för konsol	

QRN-810/QRN-810S

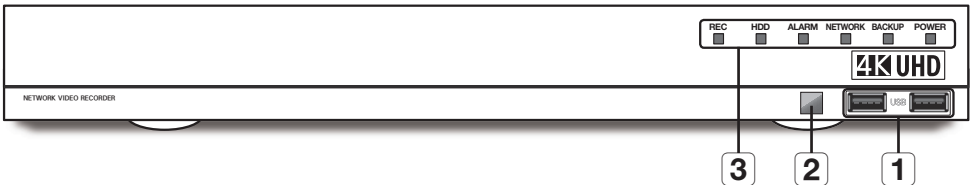
		
NVR	mus	Strömkabel
		
Strömadapter	Snabbmanual	Kopplingsplint (ej tillgänglig på QRN-810S)
		
Fjärrkontroll / Fjärrkontroll Batteri (AAA)	HDD-fixerskruv (För modeller som inte har en HDD installerad)	SATA-kabel (För modeller som inte har en HDD installerad)

DELARNAS NAMN OCH FUNKTIONER (FRAM)

XRN-410S/QRN-410/QRN-810/QRN-410S/QRN-810S



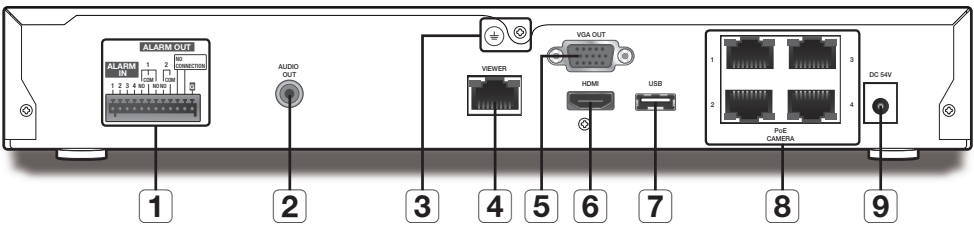
XRN-810S/QRN-1610S



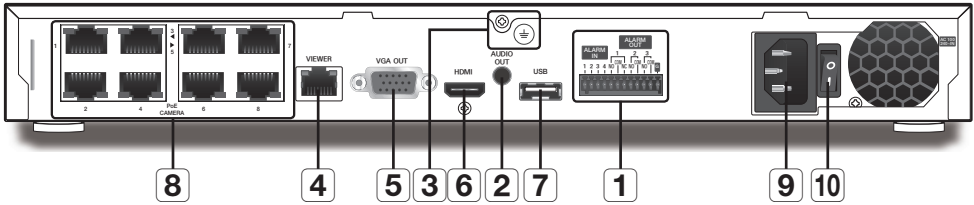
Delarnas namn		Funktioner
1	USB	Ansluter USB-enheter. (USB 2.0 kompatibel)
2	Mottagare för fjärrkontroll	Tar emot fjärrkontrollsignalen.
3	Indikator	REC : Tänds när inspelningen pågår.
		HDD : Visar normal åtkomst till hårddisken. Lysdiod som tänds när hårddisken används. (XRN-810S/QRN-1610S)
		ALARM : Lampor på när en händelse inträffar. (XRN-810S/QRN-1610S)
		NETWORK (LAN) : Visar status för både nätverksanslutning och dataöverföring.
		BACKUP : Är fortfarande på medan säkerhetskopieringen bearbetas. (XRN-810S/QRN-1610S)
		POWER : Visar på/av-status.

DELARNAS NAMN OCH FUNKTIONER (BAK)

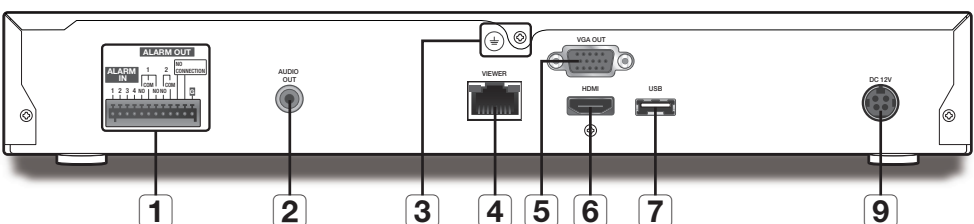
XRN-410S



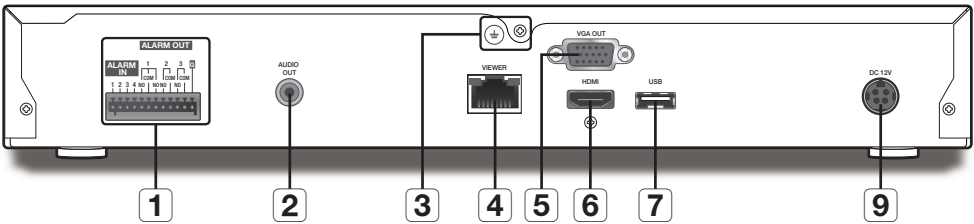
XRN-810S



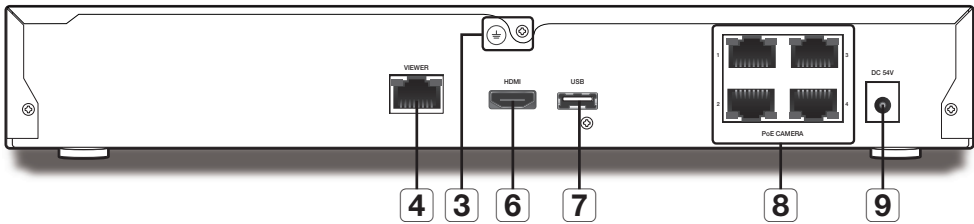
QRN-410



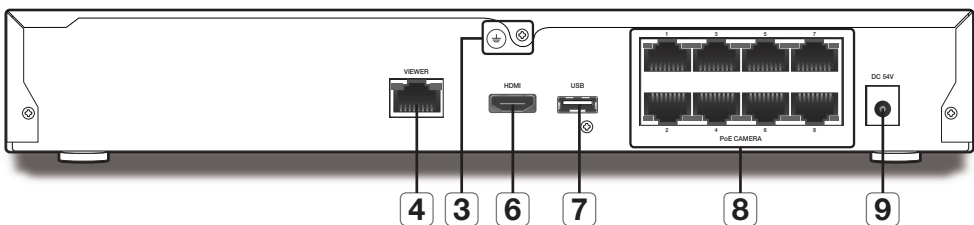
QRN-810



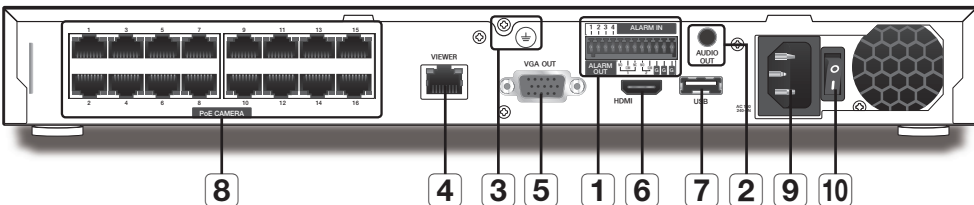
QRN-410S



QRN-810S



QRN-1610S



Delarnas namn		Funktioner
1	ALARM	- ALARM IN : Ingående Alarmport (1~4 CH) - ALARM OUT : Utgående Alarmport. - XRN-410S/QRN-410/QRN-1610S : 1~2 CH - XRN-810S/QRN-810 : 1~3 CH
2	AUDIO OUT	Utgångsport (RCA-uttag) för ljudsignalen.
3	Jordad	Uttag för att koppla in separat jordningskabel. ▪ Lägg till en jordningskabel för att underbygga säker användning av anordningen.
4	VIEWER	Port rekommenderas för nätverksanslutning, webbläsare.
5	VGA OUT	VGA-videoutgång.
6	HDMI	HDMI kontaktport.
7	USB	Ansluter USB-enheter. (USB 3.0 kompatibel)
8	PoE (CAMERA)	Strömförsörjningsport för anslutning till en kamera.
9	Ström	Nätingång.
10	Strömbrytare	Reglage för ström på/av.

Läs följande innan du använder produkten.

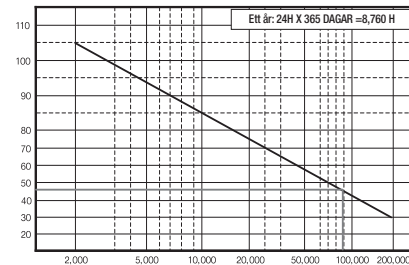
- Använd inte produkten utomhus.
- Spill inte vatten eller vätska i produktens anslutningsdel.
- Utsätt inte systemet för överdrivna slag eller våld.
- Dra inte i elkontakten med tvång.
- Plocka inte isär produkten på egen hand.
- Överskrid inte angiven ingående/utgående märkspänning.
- Använd bara en certifierad strömsladd.
- För produkter med jordad kabel, använd jordad kontakt.

KONTROLLERA INSTALLATIONSMILJÖN

Denna produkt är säkerhetsenhet i toppklass utrustad med en högkapacitetshårddisk och viktiga kretskort.

Observera att en för hög intern temperatur i produkten kan orsaka systemfel eller en förkortad livslängd av produkten (se högra figuren). Ta följande instruktioner i åtanke innan du installerar produkten.

Temperatur
Enhet : °C

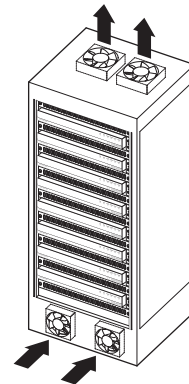


Livslängd (Enhet: TIMMAR)

[Bild 1]

När produkten monteras i en ställning ska följande instruktioner följas.

1. Se till att fästet inuti inte förseglas.
2. Se till att det får cirkulera luft genom inloppen/utloppen som visas på bilden.
3. Om du staplar produkter eller andra ställningsmonterade enheter som i Bild 2 ska ett rum med ventilation användas eller ventilation installeras.
4. För naturlig luftkonvektion, placera inloppet på undersidan och utloppet på ovansidan.
5. Vi rekommenderar starkt att en fläktmotor installeras vid inlopp och utlopp för bättre luftcirkulation. (Montera ett filter i inloppet till skärmen för att stoppa damm och främmande ämnen).
6. Håll temperaturen på insidan av fästet och i omgivande områden mellan 0°C ~ 40°C (32°F ~ 104°F) så som visas i bild 1.

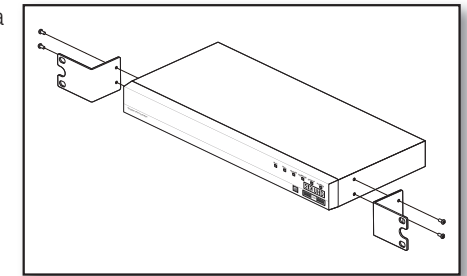


[Bild 2]

INSTALLATION PÅ FÄSTE

Installera konsolen så som visas på bilden och dra sedan åt skruvarna på båda sidorna.

- Fixera skruvarna ordentligt så de inte lossnar vid vibrationer.



<XRN-810S/QRN-1610S>

FLER HÅRDDISKAR SOM TILLÄGG

Se till att koppla loss strömsladden från vägguttaget för att förhindra plötslig kortslutning, skada eller produktskada. Kontakta leverantören för mer information om hårddiskinstallation, eftersom felaktig installation eller fel inställningar kan orsaka skada på produkten.

- Antal hårddiskar som stöds : XRN-410S/QRN-410/QRN-810/QRN-410S/QRN-810S : Max. 1
XRN-810S/QRN-1610S : Max. 2
- Se till att koppla ur strömsladden ur vägguttaget innan du fortsätter med installationen.



■ Försiktighet för dataförlust (HDD-omsorg)

Var försiktig så att data på hårddiskens insida inte skadas.

Innan du lägger till en hårddisk ska du kontrollera att den är kompatibel med den här DVR-produkten.

Hårddisken är sårbar för felfunktion på grund av att den är känslig mot kortslutning under användning. Se till att hårddisken är fri från sådan risk för kortslutning.

Vi ansvarar inte för några skador som uppkommer på hårddisken till följd av användarens felaktiga användning eller kortslutning.

■ Olika förhållanden kan orsaka skada på hårddisken eller inspelade data.

För att minimera risken för dataförlust till följd av en skadad hårddisk ska du säkerhetskopiera data så ofta som möjligt.

Om hårddisken utsätts för stötar medan den demonteras eller installeras kan data lagrade på hårddisken skadas.

Ett plötsligt strömbavbrott eller om produkten stängs av medan hårddisken används kan skada hårddisken.

Hårddisken eller filer som är lagrade i den kan skadas om huvudkroppen flyttas eller får slag under hårddiskanvändningen.

Att tänka på när du lägger till en hårddisk

1. Hårddisken är känslig för stötar.
2. Var försiktig så att du inte förlorar montageskruvar och tillbehör.
 - Om skruvarna eller tillbehören inte sitter ihop kan produkten gå sönder eller inte fungera som den ska.
3. Kontrollera hårddiskens kompatibilitet innan du lägger till en hårddisk.
 - Kontakta närmaste återförsäljare för att få en lista över kompatibla enheter.

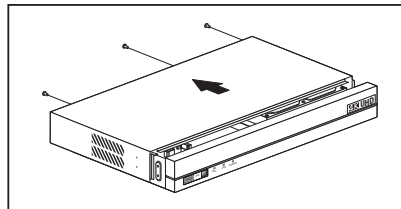
Installera HDD

- ! ■ Om du lägger till en ny eller tidigare använd hårddisk till den här produkten, utöver den/de hårddisk(ar) som ursprungligen installerats, ska du formatera den nya hårddisken manuellt i konfigurationen före användningen. För mer information om att formatera ska du se "Enhet/Format" i Wisenet NVR användarmanual.

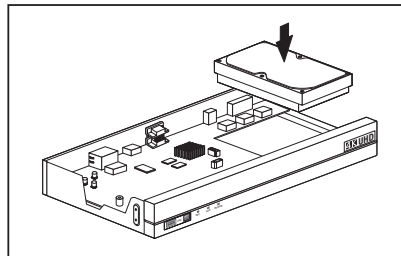
Så här installerar du en hårddisk i XRN-410S/QRN-410/QRN-810/QRN-410S/QRN-810S

- Bilderna nedan är baserade på modell XRN-410S.

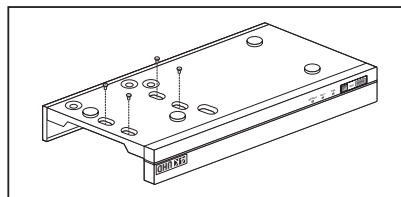
1. Efter att den skruvats ur trycker du tillbaka och tar bort luckan.



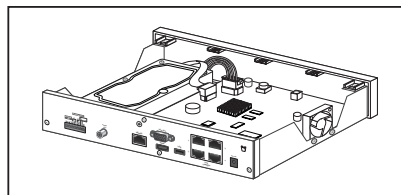
2. Anslut SATA/strömkabeln på HDD:n till kontakterna på moderkortet .



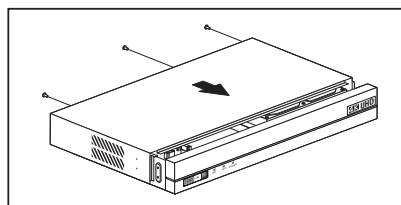
3. Använd skruvar för att fixera HDD:n i botteplattan.



4. Undersök eventuella problem i kopplingsterminalen och sladdar i produkten, stäng locket och sätt fast det med skruvar.



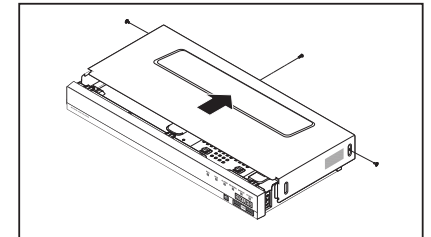
5. Stäng locket och dra åt en skruv på baksidan.



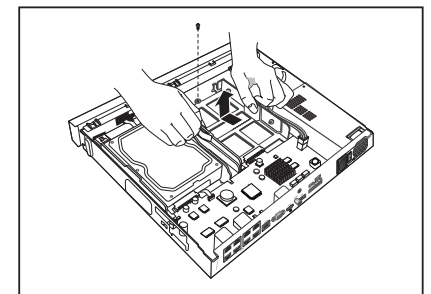
Så här installerar du en hårddisk i XRN-810S/QRN-1610S

- Bilderna nedan är baserade på modell XRN-810S.

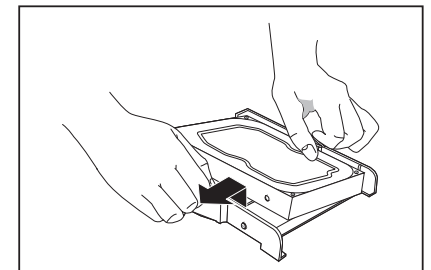
1. Efter att den skruvats ur trycker du tillbaka och tar bort luckan.



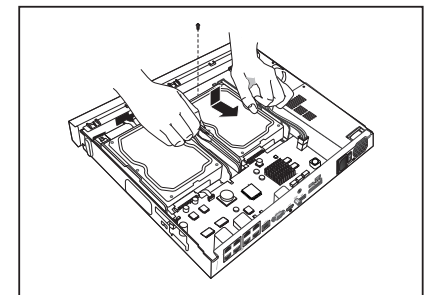
2. Separera dem genom att skruva bort den fastsatta skruven och tryck den i pilens riktning på kortet



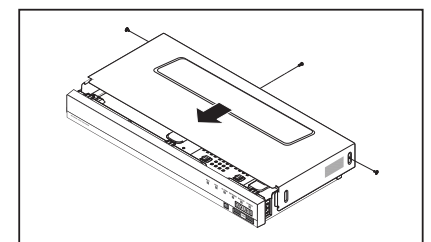
3. Efter justering och insättning av en sida av HDD:n till konsolen, öppnar du den andra sidans fäste och sätter i HDD:n mellan dem.
■ Rikta in fästets hål mot ett skruvhål i HDD:n för att fixera dem.



4. Tryck fästet med HDD:n installerad och dra åt skruvarna för att sätta fast den.

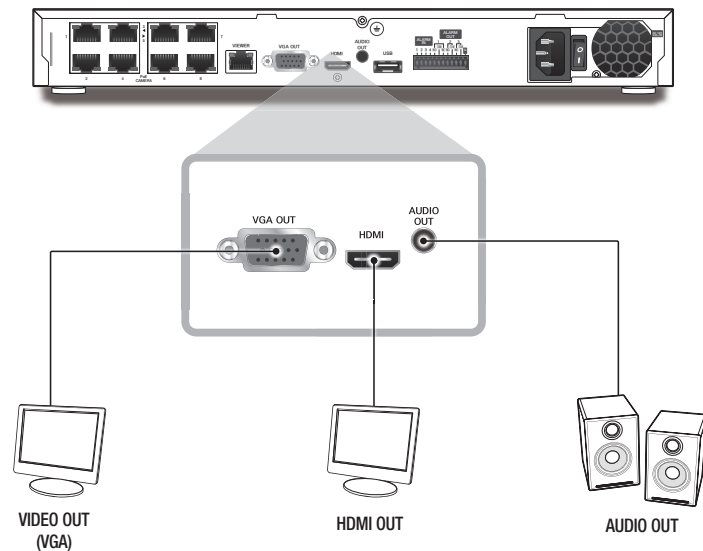


5. Stäng locket och dra åt skruvarna för att sätta fixera.



ANSLUTA EN EXTERN ENHET

- Bilderna nedan är baserade på modell XRN-810S.



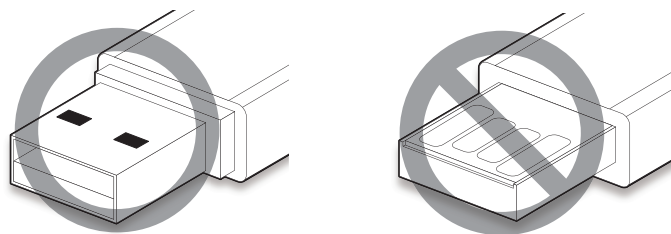
- Oklassificerade eller felaktiga strömkällor kan orsaka skada på systemet. Kontrollera att du endast använder klassificerade strömkällor innan du slår på strömbrytaren.

ANSLUTA USB-ENHETER

1. Enhetens framsida är försedd med en USB-port.
2. Du kan ansluta en USB-hårddisk, ett USB-minne eller en mus till USB-porten.
3. Om din USB HDD är ansluten till systemet kan den upptäckas och ställas in genom att följa stegen i **"Meny > Enhet > Lagringenhet"** i Wisenet NVR användarmanual.
4. Den här produkten stödjer hot-plugging, vilket gör att det går att ansluta/avlägsna USB-enheten under systemanvändning.

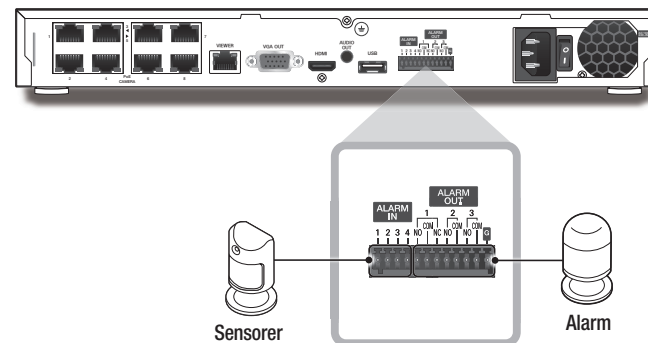


- Om du använder en USB-enhet som saknar NVR-format ska du se till att formatera den som FAT32 från datorn.
- Det kan hända att vissa USB-enheter är inkompatibla, varför du bör kontrollera deras funktion före användning.
- För att försäkra dig om fullgod dataöverföring bör du endast använda USB-lagringenheter med metallhölje.
- Om USB-enhetens kontakter är utslitna kan det hända att dataöverföringen inte fungerar.

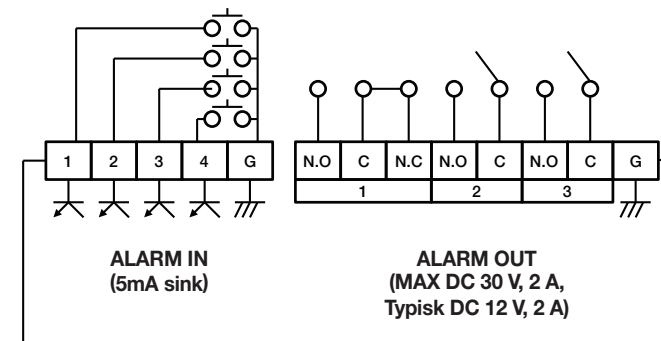


ANSLUTNING AV INGÅENDE/UTGÅENDE ALARM

Porten för Ingående/Utgående alarm på baksidan består av följande.



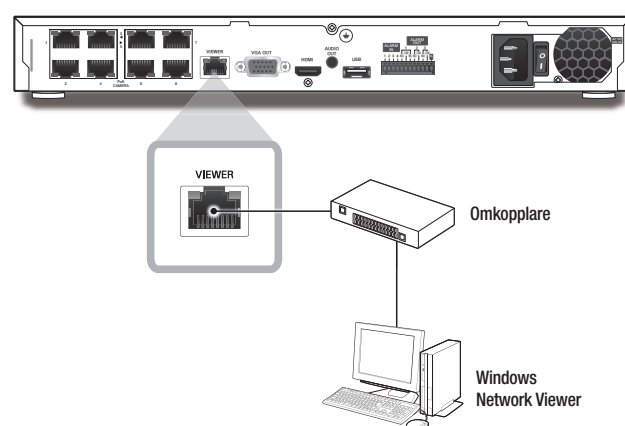
- ALARM IN 1 ~ 4 : Ingående Alarmport
- ALARM OUT 1 ~ 3 : Utgående Alarmport



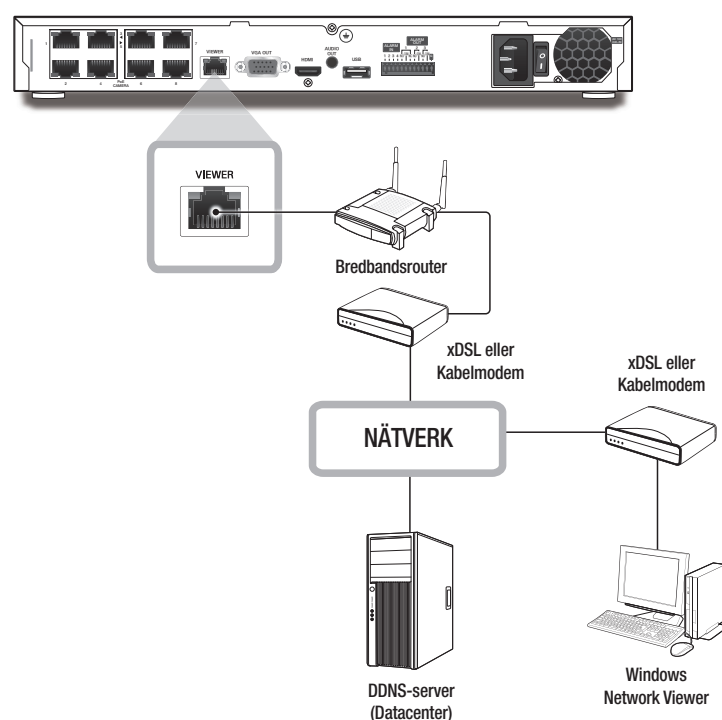
ANSLUTNING TILL NÄTVERKET

- För mer information om nätverksanslutning ska du se "Konfigurera Nätverk" i Wisenet NVR användarmanual.
- Bilderna nedan är baserade på modell XRN-810S.

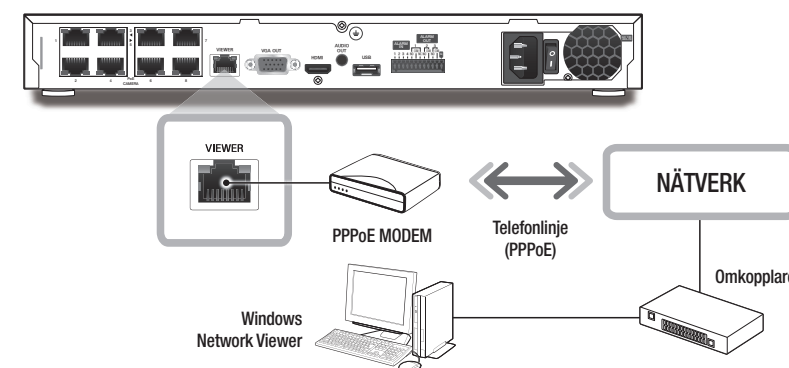
Nätverksanslutning via Ethernet (10/100/1000BaseT)



Nätverksanslutning via router

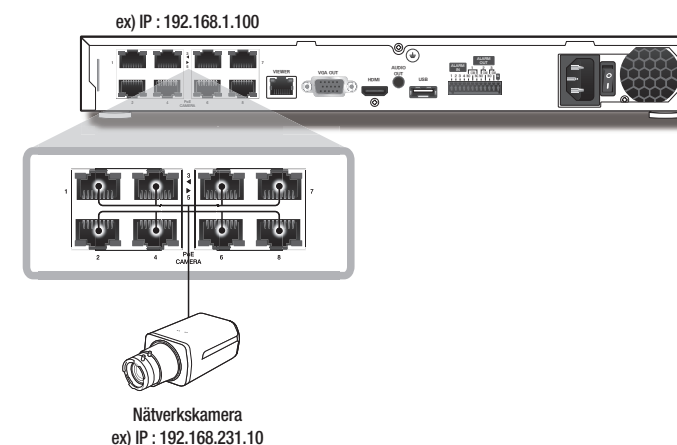


Internetanslutning via PPPoE

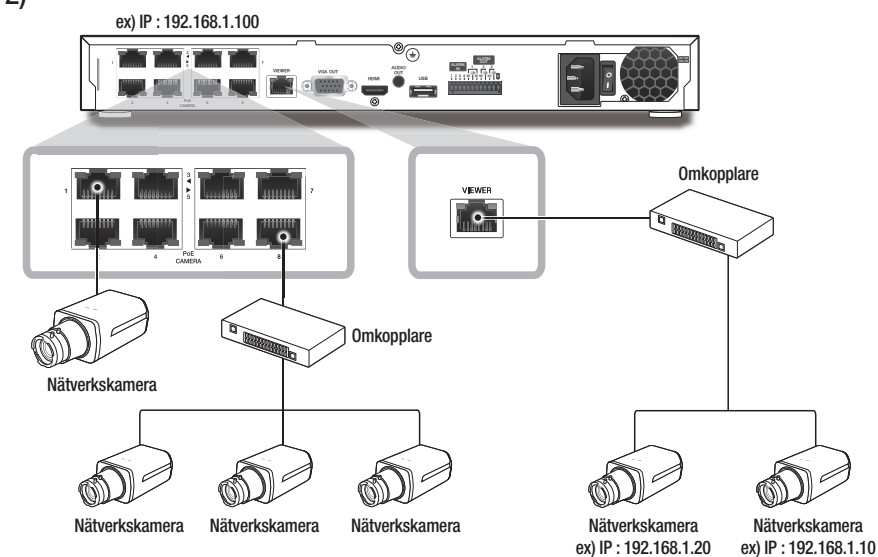


Ansluta nätverkskameran

Exempelvis 1)



Exempelvis 2)



• XRN-410S/XRN-810S

Alternativ		Detaljer	
		XRN-410S	XRN-810S
Display			
Nätverkskamera	Ingångar	Max. 4 kanaler	Max. 8 kanaler
	Upplösning	CIF ~ 8MP	
	Protokoll	Wisenet, ONVIF	
Live	Lokal display	1x HDMI(HDMI 1.4) / 1x VGA	
	Prestanda	[Lokal monitor] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps) - För Mjpeg tillåts upp till 2 MP	
Prestanda			
Operativsystem	Inbäddat	Linux	
Insp.	Komprimering	H.265, H.264, MJPEG (Lösningen kan avkoda upp till 2M)	
	Inspelningsbandbredd	Max. 50Mbit/s	Max. 100Mbit/s
	Upplösning	CIF ~ 8MP	
Sök och spela	Bandbredd för uppspelning	32 Mbps (4 kanaler samtidigt)	32 Mbps (8 kanaler samtidigt)
	Prestanda	Max 3 användare (Lokal 1, Fjärrstyrd 3)	
	Samtidig uppspelning	Max. 4 kanaler (Lokal, Nätverk)	Max. 8 kanaler (Lokal, Nätverk)
	Upplösning	CIF ~ 8MP	
	Uppspelningsstyrning	Snabb/långsam, framåt/bakåt, ett steg upp/ett steg ned	
Lagring	Inbyggd	0TB ~ 6TB (regionsberoende) - Seagate : ~ 4TB	
	Inbyggd hårddisk	1 (Max. 6TB)	2 (Max. 12TB)

Alternativ		Detaljer	
		XRN-410S	XRN-810S
Kopiering	Filsäkerhetskopia	BU/Exe(USB), JPG/AVI(Webb, CMS)	
	Funktion	Flerkanalig uppspelning (Upp till 4 kanaler), visning av datum/klockslag/namn	Flerkanalig uppspelning (Upp till 8 kanaler), visning av datum/klockslag/namn
Givare	I/U	4/2 (NO 1EA, NO/NC 1EA)	4/3 (NO 2EA, NO/NC 1EA)
Ljud	Ingång	4 kanaler (nätverk)	8 kanaler (nätverk)
	Komprimering	G.711, G.726, AAC(16/48KHz)	
	Ljudkommunikation	tvåvägs	
Nätverk			
Protokoll		TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Klient), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI (Server, Klient)	
DDNS		Hanwha Security DDNS	
Överföringsbandbredd		64Mbit/s	128Mbit/s
Max fjärranvändare		Sökning (3) / Live unisändning (10) / Multisändning (20)	
IP-version		IPv4/v6	
Säkerhet		Logg av användaråtkomst, IP-filtering 802.1x, kryptering	
Språk		Engelska, Franska, Tyska Italienska, Ryska, Turkiska, Polska, Nederländska, Svenska, Tjeckiska, Portugisiska, Danska, Rumänska, Serbiska, Kroatiska, Ungerska, Grekiska, Norska, Finska, Koreanska, Kinesiska, Japanska, Thai	
OS		Windows 7, 8, 10, Mac OS X 10.9. 10.10. 10.11	
Webbläsare		Kostnadsfri plugin-webbvisare Webbläsare som stöds: Google Chrome 47, MS Edge 20 Plugin-webbvisare Webbläsare som stöds: Endast MS Explorer 11 Apple Safari 9 * Mac OS X	
Programvara för visning	Typ	SSM, Webviewer, SmartViewer, Wisenet Mobile	
	CMS-stöd	SDK/CGI (SUNAPI)	

Alternativ		Detaljer	
		XRN-410S	XRN-810S
Funktioner			
Kamerakontroll	PoE	1) Övervaka PoE-strömförbrukning 2) På-/Av-reglage för varje PoE-kamera 3) Fjärråterställning för varje PoE-kamera	
Enkel konfiguration		Installationsguide (Språk, Datum/Tid, Nätverk, Autokamerakonfiguration) P2P (QR-kod)	
Redundans	ARB	Ja	
PTZ	Styrning	Via användargränssnitt, Webviewer, 300 förinställningar	
Smarttelefon	Supportmodell	Android, iOS	
	Protokoll som stöds	RTP, RTSP, HTTP, CGI (SUNAPI)	
Smarttelefon	Styrning	Live(4ch) : Multi-Profile Support Playback(1ch) Event push	Live(8ch) : Multi-Profile Support Playback(1ch) Event push
Systemstyrning		Mus, Webb, IR Remocon	
Indikator/gränssnitt			
Främre	indikator	LED (Statusindikator) : 3ea Strömstatus LED 1EA Lan Status LED 1EA Inspelningsstatus LED 1EA	LED (Statusindikator) : 6ea Strömstatus LED 1EA HDD-åtgärd LED 1EA Alarmstatus LED 1EA Inspelningsstatus LED 1EA Nätverksåtgärd LED 1EA SÄKERHETSKOPIERINGSSTATUS LED 1EA
Anslutningar	VGA	1 EA	
	HDMI	1 EA - Stödjer upp till 4k (3840 x 2160), 30Hz	

Alternativ		Detaljer	
		XRN-410S	XRN-810S
Anslutningar	Ljud	Ut (1EA, RCA, linje)	
	Ethernet	■ 4EA (PoE/PoE+, 100Mbps) ■ 1EA (WAN, 1Gbps) - WAN : Upplänk till CMS	■ 8EA (PoE/PoE+, 100Mbps) ■ 1EA (WAN, 1Gbps) - WAN : Upplänk till CMS
	Alarm	In(4EA, Kopplingsplint) Ut(2EA, Kopplingsplint)	In(4EA, Kopplingsplint) Ut(3EA, Kopplingsplint)
	USB	2EA(Fram 1, Bak 1)	3EA(Fram 2, Bak 1)
	Lagring	-	
	Serienummer	-	
	Återställning	Byt (1EA)	
	Nätkabel	Inkluderad	
System			
Logg	Logglista	Max 20000 (för vardera system, händeleslogg)	
Driftsmiljö			
Driftstemperatur / luftfuktighet		0° C till +40° C (+32°F till +104°F)	
Luftfuktighet		20% ~ 85% RH	
Specifikationer			
Strömingång		54V DC / 1.67A	100 ~ 240 VAC ±10%
Energiförbrukning		MAX. 13W (44BTU, 2TB HDD x 1ea)	MAX. 19W (64BTU, 2TB HDD x 1ea)
PoE-budget		Max. 50W	Max. 100W
Fysiska specifikationer			
Färg / material		Svart/metall	
Mått (BxHxD)		B300 x H47 x D208.7mm (11.81"X1.85"X8.22") (1U)	B370 x H44 x D320mm (14.57"X1.73"X12.6") (1U)
Vikt		1.694Kg(2T HDD)	3.356kg(2T HDD)

• QRN-410/QRN-810

Alternativ		Detaljer	
		QRN-410	QRN-810
Display			
Nätverkskamera	Ingångar	Max. 4 kanaler	Max. 8 kanaler
	Upplösning	CIF ~ 8MP	
	Protokoll	Wisenet, ONVIF	
Live	Lokal display	1x HDMI(HDMI 1.4) / 1x VGA	
	Prestanda	[Lokal monitor] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps) - För Mjpeg tillåts upp till 2 MP	
Prestanda			
Operativsystem	Inbäddat	Linux	
Insp.	Komprimering	H.265, H.264, MJPEG (Lösningen kan avkoda upp till 2M)	
	Inspelningsbandbredd	Max. 50Mbit/s	Max. 100Mbit/s
	Upplösning	CIF ~ 8MP	
Sök och spela	Bandbredd för uppspelning	32 Mbps (4 kanaler samtidigt)	32 Mbps (8 kanaler samtidigt)
	Prestanda	Max 3 användare (Lokal 1, Fjärrstyrd 3)	
	Samtidig uppspelning	Max. 4 kanaler (Lokal, Nätverk)	Max. 8 kanaler (Lokal, Nätverk)
	Upplösning	CIF ~ 8MP	
	Uppspelningsstyrning	Snabb/långsam, framåt/bakåt, ett steg upp/ett steg ned	
Lagring	Inbyggd	0TB ~ 6TB (regionsberoende) - Seagate : ~ 4TB	
	Inbyggd hårddisk	1 (Max. 6TB)	

Alternativ		Detaljer	
		QRN-410	QRN-810
Kopiering	Filsäkerhetskopia	BU/Exe(USB), JPG/AVI(Webb, CMS)	
	Funktion	Flerkanalig uppspelning (Upp till 4 kanaler), visning av datum/klockslag/namn	Flerkanalig uppspelning (Upp till 8 kanaler), visning av datum/klockslag/namn
Givare	I/U	4/2 (NO 1EA, NO/NC 1EA)	4/3 (NO 2EA, NO/NC 1EA)
Ljud	Ingång	4 kanaler (nätverk)	8 kanaler (nätverk)
	Komprimering	G.711, G.726, AAC(16/48KHz)	
	Ljudkommunikation	tvåvägs	
Nätverk			
Protokoll		TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Klient), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI (Server, Klient)	
DDNS		Hanwha Security DDNS	
Överföringsbandbredd		64Mbit/s	128Mbit/s
Max fjärranvändare		Sökning (3) / Live unisändning (10) / Multisändning (20)	
IP-version		IPv4/v6	
Säkerhet		Logg av användaråtkomst, IP-filtering 802.1x, kryptering	
Språk		Engelska, Franska, Tyska Italienska, Ryska, Turkiska, Polska, Nederländska, Svenska, Tjeckiska, Portugisiska, Danska, Rumänska, Serbiska, Kroatiska, Ungerska, Grekiska, Norska, Finska, Koreanska, Kinesiska, Japanska, Thai	
OS		Windows 7, 8, 10, Mac OS X 10.9. 10.10. 10.11	
Webbläsare		Kostnadsfri plugin-webbvisare Webbläsare som stöds: Google Chrome 47, MS Edge 20 Plugin-webbvisare Webbläsare som stöds: Endast MS Explorer 11, Apple Safari 9 * Mac OS X	
Programvara för visning	Typ	SSM, Webviewer, SmartViewer, Wisenet Mobile	
	CMS-stöd	SDK/CGI (SUNAPI)	

Alternativ		Detaljer	
		QRN-410	QRN-810
Funktioner			
Enkel konfiguration		Installationsguide (Språk, Datum/Tid, Nätverk, Autokamerakonfiguration) P2P (QR-kod)	
Redundans	ARB	Ja	
PTZ	Styrning	Via användargränssnitt, Webviewer, 300 förinställningar	
Smarttelefon	Supportmodell	Android, iOS	
	Protokoll som stöds	RTP, RTSP, HTTP, CGI (SUNAPI)	
	Styrning	Live(4ch) : Multi-Profile Support Playback(1ch) Event push	Live(8ch) : Multi-Profile Support Playback(1ch) Event push
Systemstyrning		Mus, Webb, IR Remocon	
Indikator/gränssnitt			
Främre	indikator	Strömstatus LED 1EA Lan Status LED 1EA Inspelningsstatus LED 1EA	
Anslutningar	VGA	1 EA	
	HDMI	1 EA - Stödjer upp till 4k (3840 x 2160), 30Hz	
Anslutningar	Ljud	Ut (1EA, RCA, linje)	
	Ethernet	1EA (WAN, 1Gbps) - WAN : Upplänk till CMS	
	Alarm	In(4EA, Kopplingsplint) Ut(2EA, Kopplingsplint)	In(4EA, Kopplingsplint) Ut(3EA, Kopplingsplint)
	USB	Fram 1EA(USB2.0), Bak 1(USB3.0)	
	Lagring	-	
	Serienummer	-	
	Återställning	Byt (1EA)	
	Nätkabel	Inkluderad	

Alternativ		Detaljer	
		QRN-410	QRN-810
System			
Logg	Logglista	Max 20000 (för vardera system, händeleslogg)	
Driftsmiljö			
Driftstemperatur / luftfuktighet		0° C till +40° C (+32°F till +104°F)	
Luftfuktighet		20% ~ 85% RH	
Specifikationer			
Strömingång		12V/4A	
Energiförbrukning		MAX. 9W(31BTU, 2TB HDD x 1ea)	
Fysiska specifikationer			
Färg / material		Svart/metall	
Mått (BxHxD)		B300 x H47 x D208.7mm (11.81"X1.85"X8.22") (1U)	
Vikt		1.655Kg (2T HDD)	

• QRN-410S/QRN-810S/QRN-1610S

Alternativ		Detaljer		
		QRN-410S	QRN-810S	QRN-1610S
Display				
Nätverkskamera	Ingångar	Max. 4 kanaler	Max. 8 kanaler	Max. 16 kanaler
	Upplösning	CIF ~ 8MP		
	Fish-Eye-avskevning	N/A (process på Web / CMS)		
	Protokoll	Wisenet, ONVIF, RTSP		
Live	Lokal display	1x HDMI		1x HDMI / 1x VGA
	Prestanda	[Lokal monitor] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(120fps), 720p(120fps), D1(120fps)	[Lokal monitor] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps)	[Lokal monitor] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(480fps), D1(480fps)
Prestanda				
Operativsystem	Inbäddat	Linux		
Insp.	Komprimering	H.265, H.264, MJPEG		
	Inspelningsbandbredd	Max. 40Mbit/s	Max. 80Mbit/s	Max. 128Mbit/s
	Upplösning	CIF ~ 8MP		
Sök och spela	Bandbredd för uppspelning	32 Mbps (4 kanaler samtidigt)	32 Mbps (8 kanaler samtidigt)	
	Prestanda	Max 3 användare (Lokal 1, Fjärrstyrd 3)		
	Samtidig uppspelning	Max. 4 kanaler (Lokal, Nätverk)	Max. 8 kanaler (Lokal, Nätverk)	Max. 8 kanaler(Lokal), Max. 16 kanaler(Nätverk)
	Upplösning	CIF ~ 8MP		
	Fish-Eye-avskevning	N/A (process på Web / CMS)		
	Uppspelningsstyrning	Snabb/långsam, framåt/bakåt, ett steg upp/ett steg ned		
Lagring	Inbyggd	N/A		
	Inbyggd hårddisk	1 (Max. 6TB)		2 (Max. 12TB)

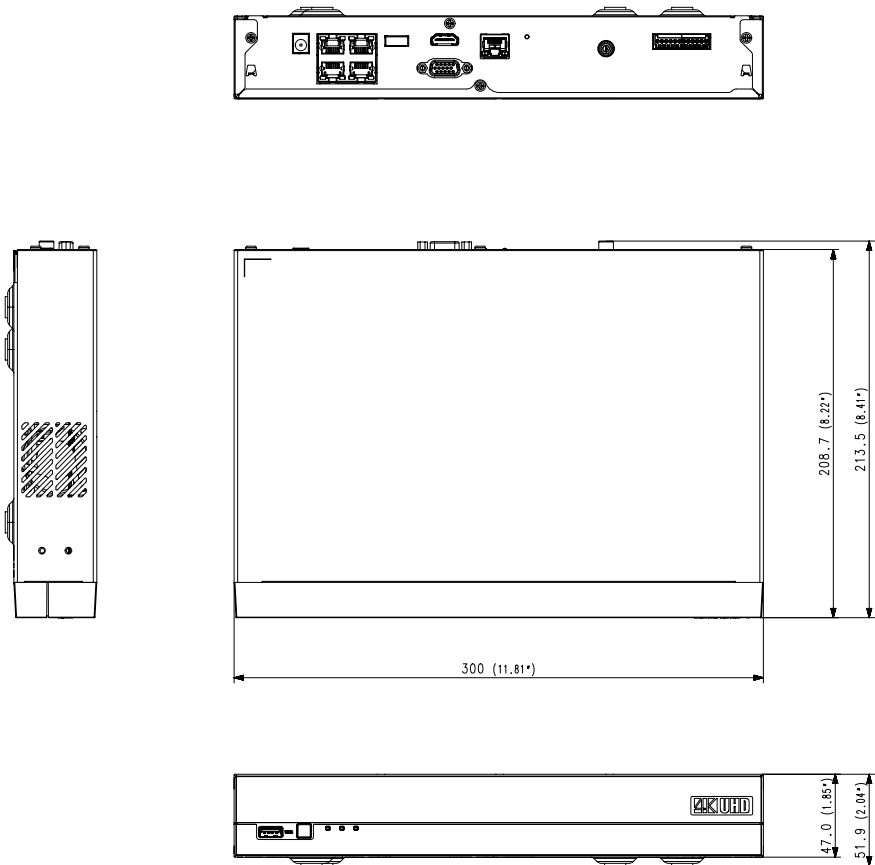
Alternativ		Detaljer		
		QRN-410S	QRN-810S	QRN-1610S
Kopiering	Filsäkerhetskopia	BU/Exe(USB), JPG/AVI(Webb, CMS)		
	Funktion	Flerkanalig uppspelning (Upp till 4 kanaler), visning av datum/klockslag/namn	Flerkanalig uppspelning (Upp till 8 kanaler), visning av datum/klockslag/namn	
Givare	I/U	N/A		4/2 (NO 1EA, NO/NC 1EA)
Ljud	Ingång	4 kanaler (nätverk)	8 kanaler (nätverk)	16 kanaler (nätverk)
	Komprimering	G.711, G.726, AAC(16/48KHz)		
	Ljudkommunikation	tvåvägs		
Nätverk				
Protokoll		TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Klient), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI (Server, Klient)		
DDNS		Hanwha Security DDNS		
Överföringsbandbredd		50Mbit/s	80Mbit/s	128Mbit/s
Max fjärranvändare		Sökning (3) / Live unisändning (10) / Multisändning (20)		
IP-version		IPv4/v6		
Säkerhet		Logg av användaråtkomst, IP-filtering 802.1x, kryptering		
OS		Windows 7, 8, 10, Mac OS X 10.9. 10.10. 10.11		
Webbläsare		Kostnadsfri plugin-webbvisare Webbläsare som stöds: Google Chrome 47, MS Edge 20 Plugin-webbvisare Webbläsare som stöds: Endast MS Explorer 11 Apple Safari 9 * Mac OS X		
Programvara för visning	Typ	SSM, Webviewer, SmartViewer, Wisenet Mobile		
	CMS-stöd	SDK/CGI (SUNAPI)		
Funktioner				
Kamerakontroll	PoE	1) Övervaka PoE-strömförbrukning 2) På-/Av-reglage för varje PoE-kamera 3) Fjärråterställning för varje PoE-kamera		

Alternativ		Detaljer		
		QRN-410S	QRN-810S	QRN-1610S
Enkel konfiguration		Installationsguide (Språk, Datum/Tid, Nätverk, Autokamerakonfiguration) P2P (QR-kod)		
ARB		Ja		
PTZ	Styrning	Via användargränssnitt, Webviewer, 300 förinställningar		
Smarttelefon	Supportmodell	Android, iOS		
	Protokoll som stöds	RTP, RTSP, HTTP, CGI (SUNAPI)		
	Styrning	Live(4ch) : Multi- Profile Support Playback(1ch) Event push	Live(8ch) : Multi- Profile Support Playback(1ch) Event push	Live(16ch) : Multi- Profile Support Playback(1ch) Event push
	Max fjärranvändare	Sökning (3) / Live unisändning (10) / Multisändning (20)		
Systemstyrning		Mus, Webb	Mus, Webb, Infraröd fjärrkontroll	
Indikator/gränssnitt				
Främre	indikator	LED (Statusindikator) : 3ea Strömstatus LED 1EA Lan Status LED 1EA Inspelningsstatus LED 1EA		LED (Statusindikator) : 6EA Strömstatus LED 1EA HDD-åtgärd LED 1EA Alarmstatus LED 1EA Inspelningsstatus LED 1EA Nätverksåtgärd LED 1EA Kopiering LED 1EA
Anslutningar	VGA	N/A		1EA(1920x1080, 1280x1024, 1280x720, 1024x768)
	HDMI	1EA (3840 x 2160, 2560x1440, 1920x1080, 1280x1024, 1280x720, 1024x768)		
	Ljud	N/A		Ut (1EA, RCA)
	Ethernet	■ 4EA (PoE, 100Mbps) ■ 1EA (WAN, 100Mbps) - WAN : Upplänk till CMS	■ 8EA (PoE, 100Mbps) ■ 1EA (WAN, 1Gbps) - WAN : Upplänk till CMS	■ 16EA (PoE, 100Mbps) ■ 1EA (WAN, 1Gbps) - WAN : Upplänk till CMS

Alternativ		Detaljer		
		QRN-410S	QRN-810S	QRN-1610S
Anslutningar	Alarm	N/A	In(4EA, Kopplingsplint) Ut(2EA, Kopplingsplint)	
	USB	Fram 1EA(USB2.0), Bak 1EA(USB3.0)		Fram 2EA(USB2.0), Bak 1EA(USB3.0)
	Återställning	Byt (1EA)		
	Nätkabel	Inkluderad		
System				
Logg	Logglista	Max 20000 (för vardera system, händeleslogg)		
Driftsmiljö				
Driftstemperatur / luftfuktighet		0° C till +40° C (+32°F till +104°F)		
Luftfuktighet		20% ~ 85% RH		
Specifikationer				
Strömingång		54V DC / 1.20A	54V DC / 1.67A	100 to 240 VAC
Energiförbrukning		Max. 47W(1HDD, PoE på) Max. 7.4W(1HDD, PoE av)	Max. 76.2W(1HDD, PoE på) Max. 8.1W(1HDD, PoE av)	Max. 158.2W(2HDDs, PoE på) Max. 34.6W(2HDDs, PoE av)
PoE-budget		Max. 30W	Max. 50W	Max. 130W
Fysiska specifikationer				
Färg / material		Svart/metall		
Mått (BxHxD)		B300.0 x H47.1 x D208.4 mm(1U)		B370.0 x H44.0 x D320 mm(1U)
Vikt		0.99Kg	1.01Kg	2.79Kg

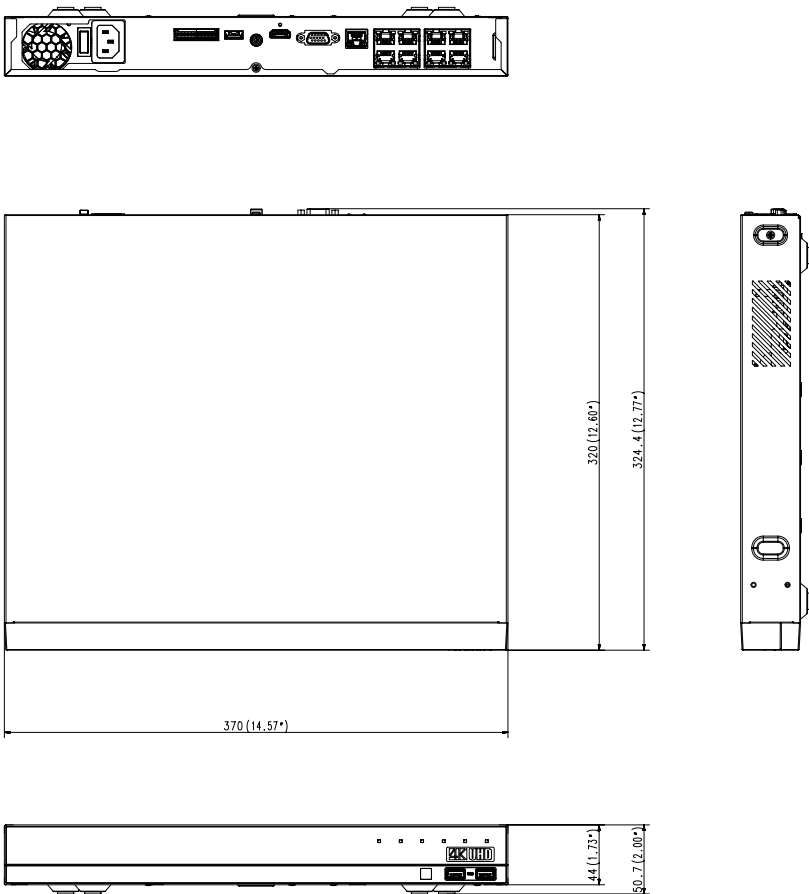
• XRN-410S

enhet: mm (tum)



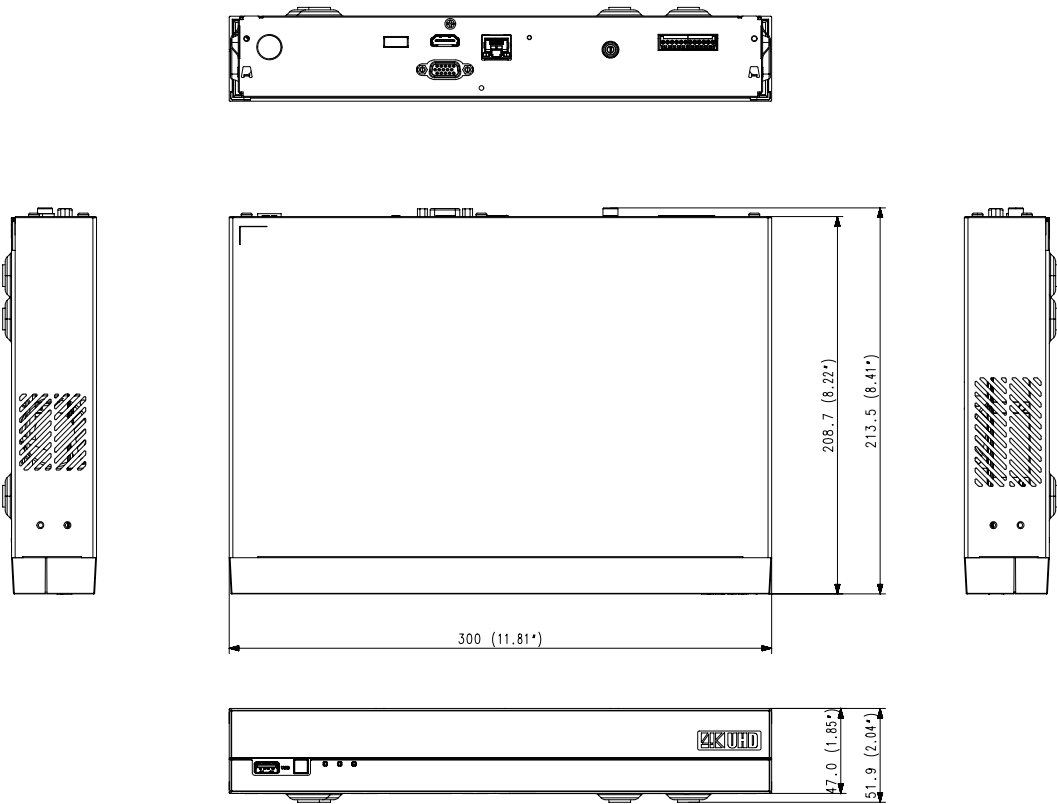
• XRN-810S

enhet: mm (tum)



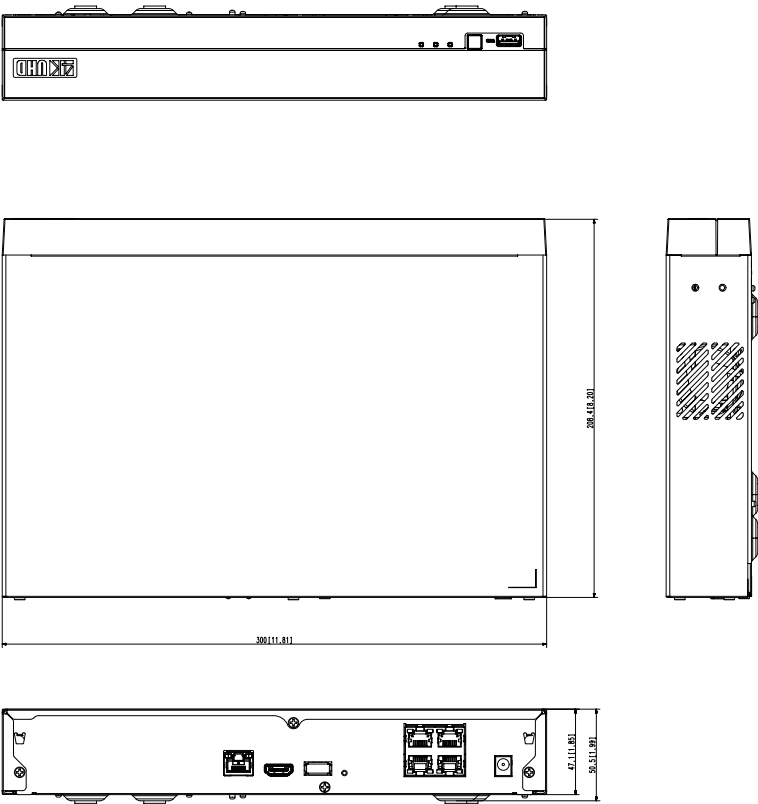
• QRN-410/QRN-810

enhet: mm (tum)



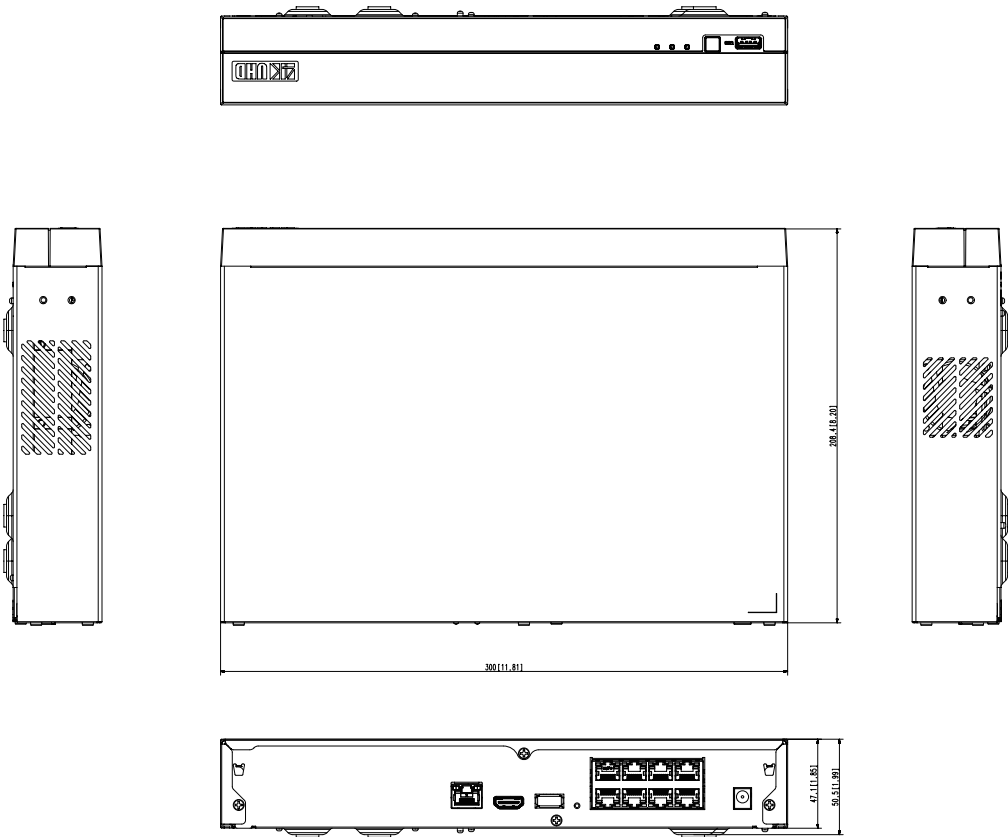
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enhet: mm (tum)



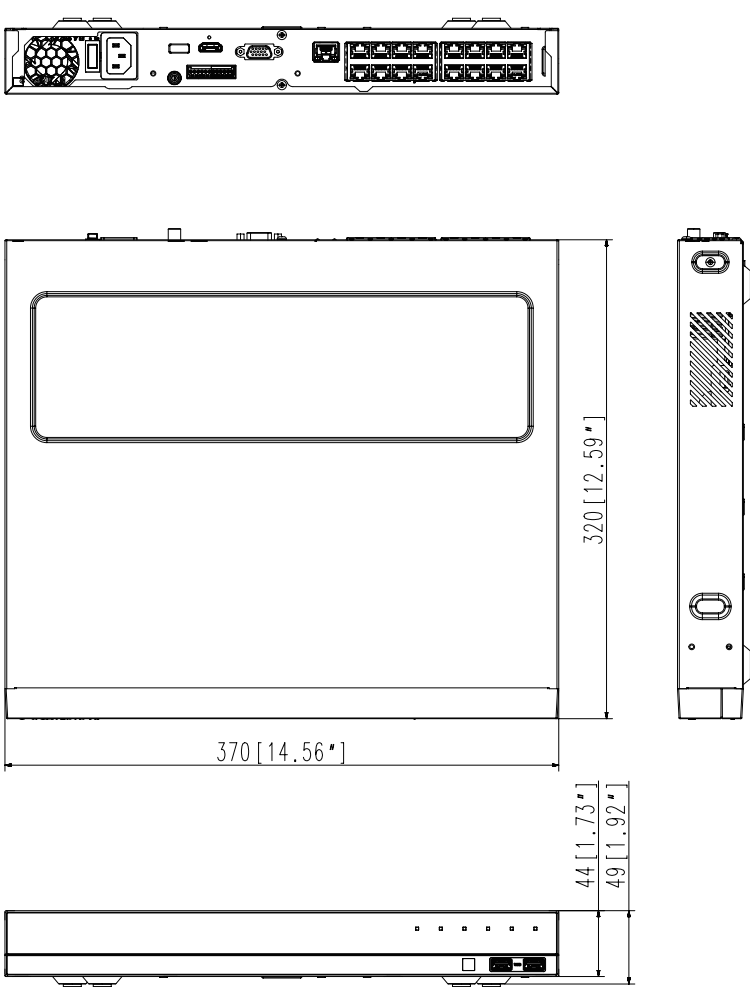
• QRN-810S

enhet: mm (tum)



• QRN-1610S

enhet: mm (tum)



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

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