

WiSeNet

NÄTVERKSVIDEOINSPELARE

Produktspecifikationsmanual

PRN-4011



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 driftstemperatur 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

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.

Användning av grafiska symboler

Grafiska symboler som placerats i utrustningen, oavsett om de rppoterats av den här standarden eller inte, ska ske i enlighet med IEC 60417 eller ISO 3864-2 eller ISO 7000, om tillämpligt.
Vid frånvaro av lämpliga symboler kan tillverkaren designa specifika grafiska symboler.
Symboler som placerats på utrustningen ska förklaras i bruksanvisningen.

Symbol	Publicering	Beskrivning
	IEC60417, No.5032	Alternerande ström

NVR-produkter har stöd för alla funktioner

Funktion	Produkter
Fläkt	PRN-4011
RAID	PRN-4011
iSCSI	PRN-4011
Joystick	PRN-4011
Utökad bildskärm	PRN-4011
Överflödig strömförsörjning	PRN-4011
Felavhjälpning	PRN-4011

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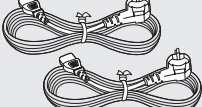
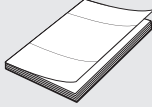
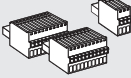
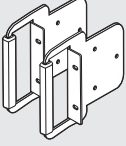
EGENSKAPER

Produkten spelar in video och ljud från nätverkskameror till en hårddisk och möjliggör uppspelning från hårddisken. Den erbjuder även en fjärrövervakningsmiljö för video och ljud via nätverket med en fjärrdator.

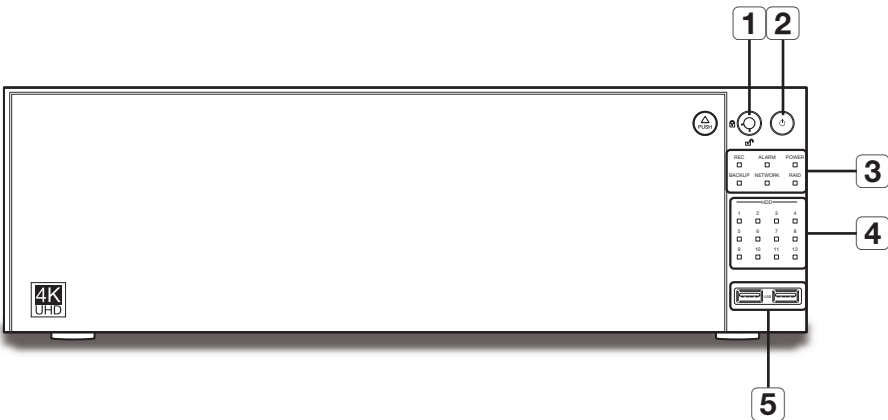
- Användarvänligt gränssnitt
- Stödjer en mängd olika 4K-bildupplösningar (3840X2160, 4096X2160, 4000X3000)
- Framkallar en högupplöst 4K-bildskärpa med hjälp av HDMI
- Avkodning med 64-delad skärm
- Stöder dubbel monitorutgång (expandera, duplicera)
- Stöder flera lösenord
- Spelar in och spelar upp video
- Spelar in och spelar upp ljud
- Stöder ONVIF Profile S-standard och RTP-/RTSP-protokoll
- Visar driftstatus för hårddisken via HDD SMART
- Förberedd för överskrivning av hårddisk
- Säkerhetskopiera till extern hårddisk via USB 2.0
- Visa 16 kanaler samtidigt
- Flera olika söklägen (Tid, tillfälle, Smart, text, säkerhetskopiering, ARB)
- Olika inspelningslägen (Normal, Händelse, Schemalagd inspelning)
- Alarmingång/-utgång
- Fjärrövervakning via Windows Network Viewer
- Liveövervakning av nätverkskameran
- Installationsguide (enkel inställning)
- Stöder fjärrvisning av flera profiler
- Stöder ARB
- Stöder Felavhj.
- Funktionen som används för att ange lagringsperiod för varje kanal

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.

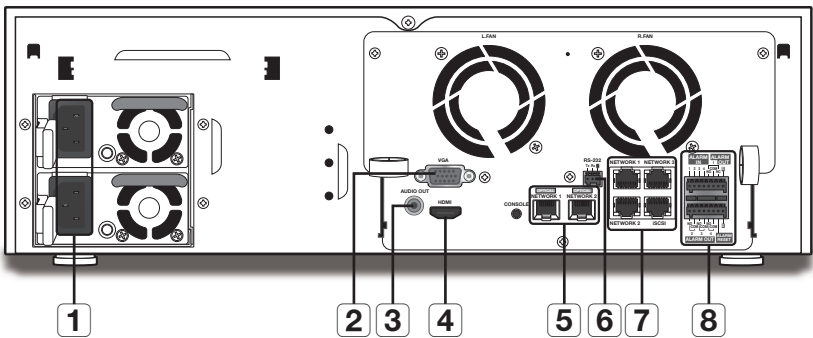
		
NVR	mus	Strömkabel
		
Snabbmanual	Kopplingsplint	Rackmontering
		
Skruv för rackmontering	HDD-fixerskruv	Nyckel för hårddiskslucka

DELARNAS NAMN OCH FUNKTIONER (FRAM)



Delarnas namn		Funktioner
1	Nyckel för hårddiskslucka	Låsenheten begränsar åtkomsten till hårddisken. Använd nyckeln som medföljde produkten.
2	Ström	Används för att slå på och stänga av.
3	Indikator	REC : Tänds när inspelningen pågår.
		ALARM : Lampor på när en händelse inträffar.
		POWER : Visar på/av-status.
		BACKUP : Lyser vid säkerhetskopiering.
		NETWORK : Visar status för både nätverksanslutning och dataöverföring.
		RAID : Visar pågående RAID-aktivitet.
4	HDD	Visar normal åtkomst till hårddisken. Lysdiod som tänds när hårddisken används.
5	USB	Ansluter USB-enheter.

DELARNAS NAMN OCH FUNKTIONER (BAK)



Delarnas namn		Funktioner
1	Ström	Nätingång. ▪ Det räcker med en strömkälla för drift. Av säkerhetsskäl bör du dock använda separata strömkällor. ▪ Om det uppstår ett problem under rörelse hörs SMPS-signalen. (Du kan stänga av signalen genom att trycka på den runda, gröna knappen) ▪ Även om strömkällan inte är inkopplad kan den tillämpliga gröna SMPS-knappen med LED-lampa och SMPS-fläkten användas.
2	VGA	VGA-videoutgång.
3	AUDIO OUT	Utgångsport (RCA-uttag) för ljudsignalen.
4	HDMI	HDMI kontaktport.
5	OPTICAL NETWORK 1/2	Optisk I/F-port för kommunikation
6	RS-232C	Kabelterminal för seriell databuss.
7	NETWORK 1	Ingång för kameraanslutningar. Videoströmmen kommer från kamera.
	NETWORK 2	Ingång för kameraanslutningar. Videoströmmen kommer från kamera.
	NETWORK 3	Port för överföring av video till webbvisningsprogram.
	iSCSI	Port för anslutning till extern iSCSI.
8	ALARM	- ALARM IN : Ingående Alarmport (1~4 CH) - ALARM RESET : Återställningsalarmport. - ALARM OUT : Utgående Alarmport. (1~4 CH)

☞ [CONSOLE] är endast utformad för reparationstjänster.

Läs följande innan du använder produkten.

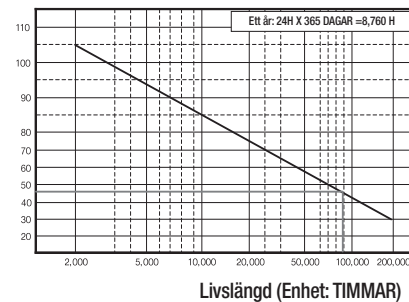
- Använd inte produkten utomhus.
- Spill inte vatten eller vätska i produktens anslutningsdel.
- Utsätt inte systemet för överdrivna slag eller våld.
- Dra inte i elkontakten med tvång.
- Plocka inte isär produkten på egen hand.
- Överskrid inte angiven ingående/utgående märkspänning.
- Använd bara en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

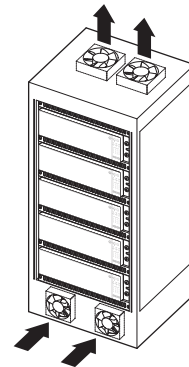
Temperatur
Enhet : °C



[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 ovensidan.
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.

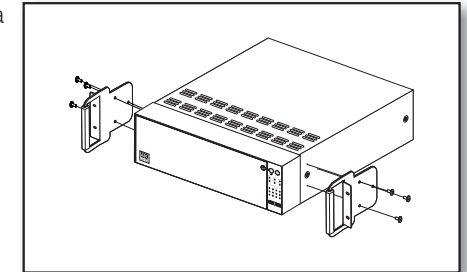


[Bild 2]

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.



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 : upp till 12
- 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.

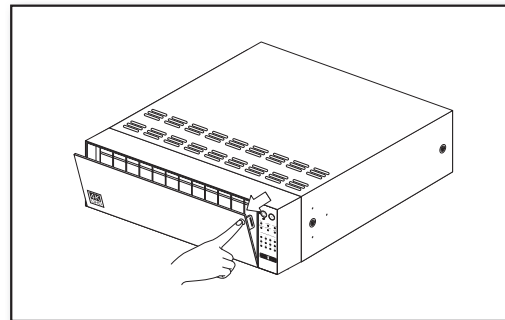
Att tänka på när du lägger till en hårddisk

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.
4. Om du vill byta eller lägga till en hårddisk ska du kontakta återförsäljaren eller vår kundtjänst först.
 - Endast produktadministratören kan öppna hårddiskluckan på framsidan.

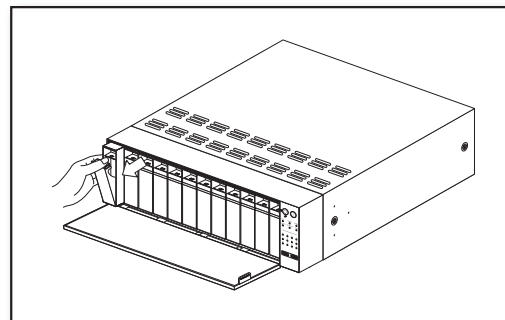
Installera HDD

- ! 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.
- För byte eller installation av en extra hårddisk måste du kontakta återförsäljaren eller vår kundtjänst.

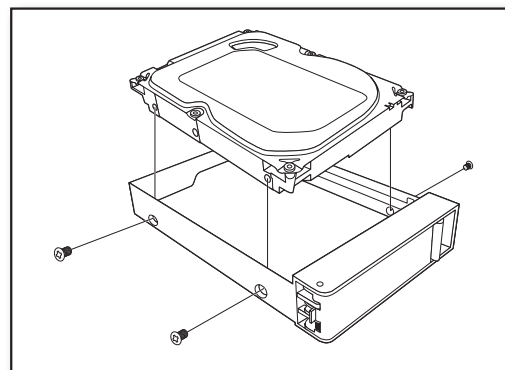
1. Tryck på <PUSH> längst fram för att öppna den främre luckan.



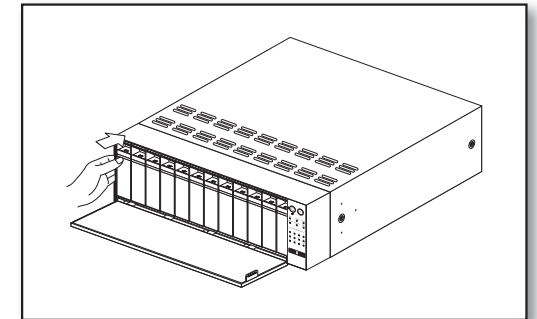
2. Tryck på den blå knappen på hårddiskskabinettet och dra sedan ut kabinettet från enheten.



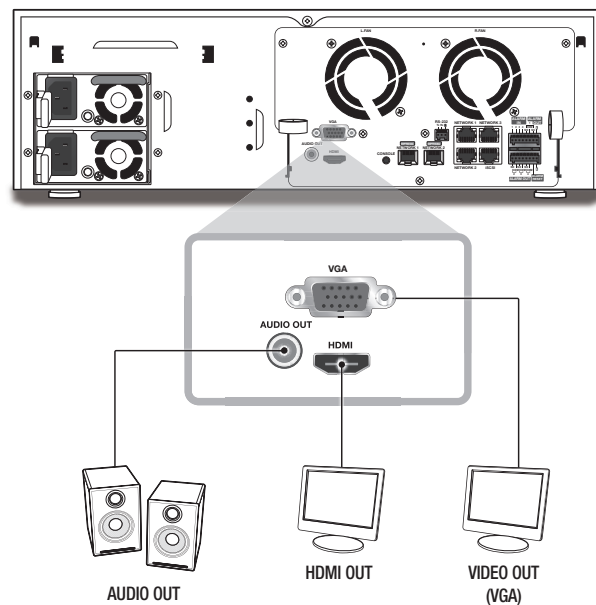
3. Installera en hårddisk i kabinettet och skruva fast den med de medföljande skruvarna.



4. När hårddisken har skruvats fast för du in kabinettet i enheten och stänger den främre luckan.



ANSLUTA EN EXTERN ENHET

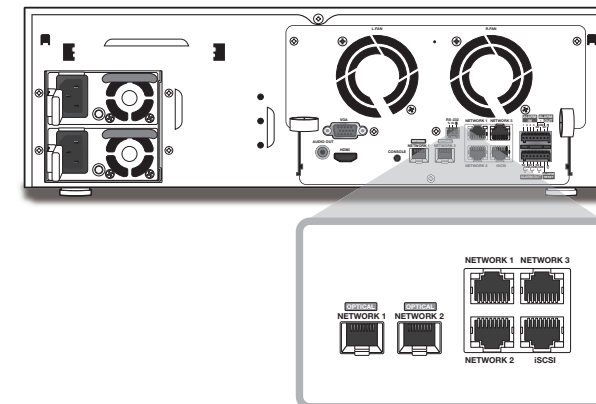


- ! ■ Oklassificerade eller felaktiga strömkällor kan orsaka skada på systemet. Kontrollera att du endast använder klassificerade strömkällor innan du slår på strömbrytaren.

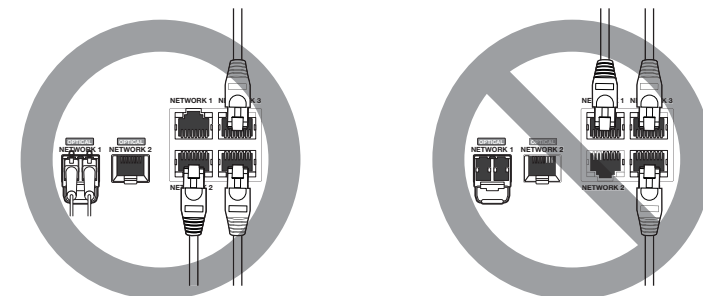
ANSLUTNING AV OPTISK MODUL

Effekten för en optisk modul är DC 3.3V 0.25A.

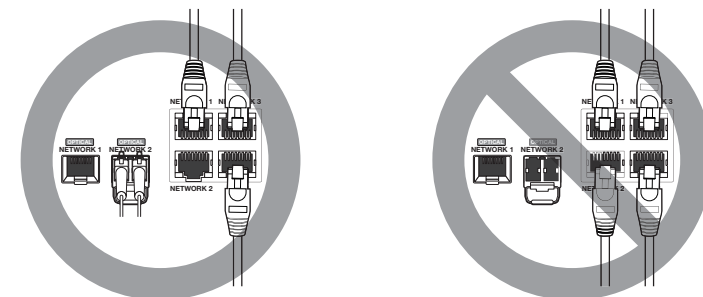
- När en optisk modul installerats blir användningen av UTP-porten begränsad.
- Installera bara en optisk modul när den behövs.



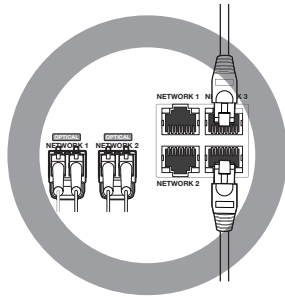
1. [OPTICAL NETWORK1] är en port som delas med [NETWORK1].



2. [OPTICAL NETWORK2] är en port som delas med [NETWORK2].



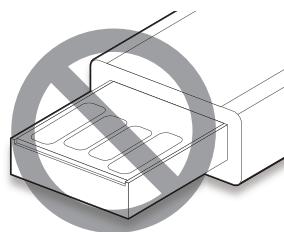
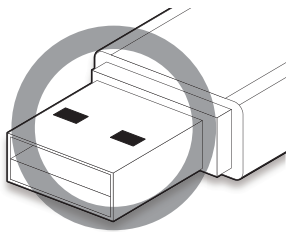
3. [OPTICAL NETWORK1/2] är en port som delas med [NETWORK1/2].



ANSLUTA USB-ENHETER

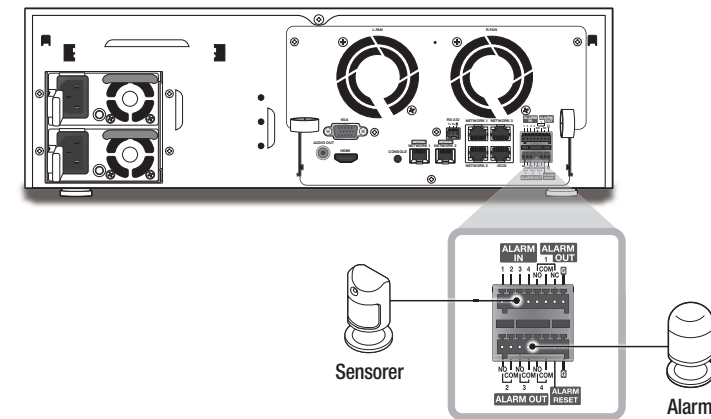
1. Enhetens framsida är försedd med en USB-port.
2. Du kan ansluta en USB-hårddisk, ett USB-minne eller en mus till USB-porten.
3. Om din USB HDD är ansluten till systemet kan den upptäckas och ställas in genom att följa stegen i "Meny > Enhet > Lagringsenhet" i Wisenet NVR användarmanual.
4. Den här 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.

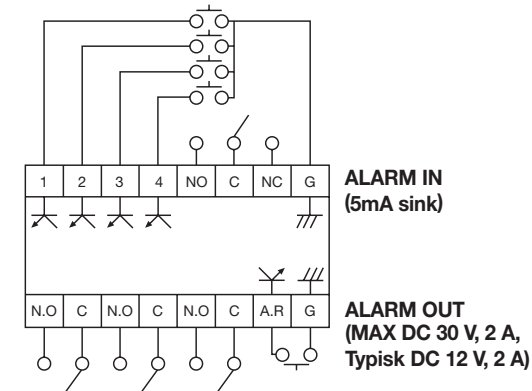


ANSLUTNING AV INGÅENDE/UTGÅENDE ALARM

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



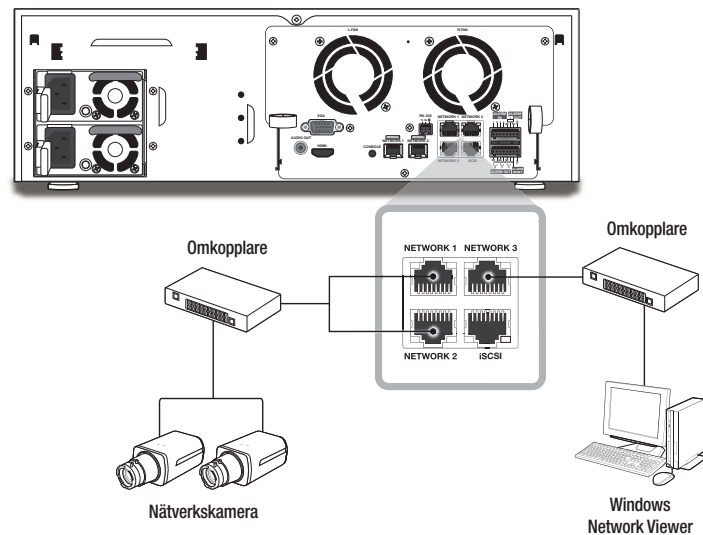
- ALARM IN 1 ~ 4 : Ingående Alarmport
- ALARM RESET : Vid mottagning av Alarmåterställningssignal avbryter systemet den aktuella Alarmingången och återupptar sensorn.
- ALARM OUT 1 ~ 4 : Utgående Alarmport



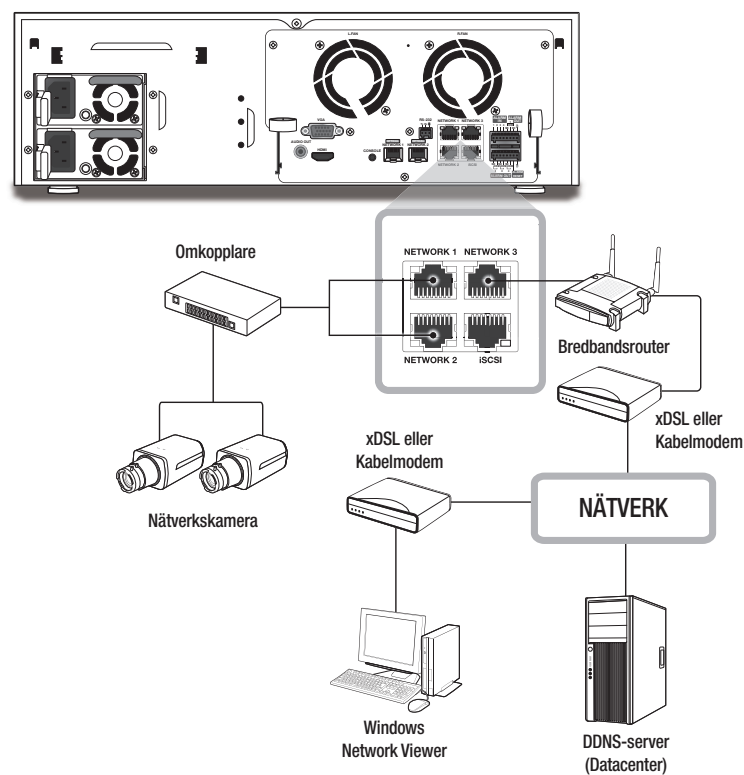
ANSLUTNING TILL NÄTVERKET

■ För mer information om nätverksanslutning ska du se "Konfigurera Nätverk" i Wisenet NVR användarmanual.

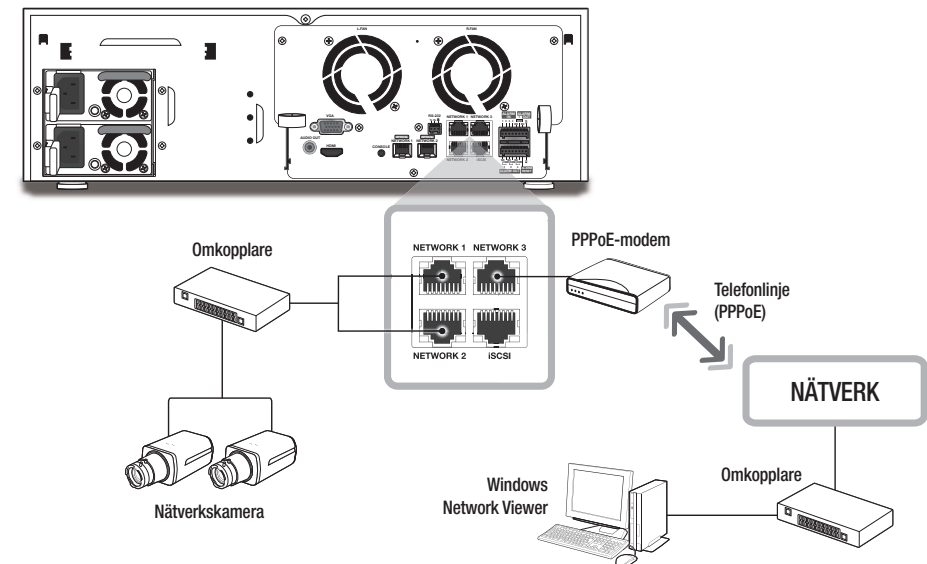
Nätverksanslutning via Ethernet (10/100/1000BaseT)



Nätverksanslutning via router

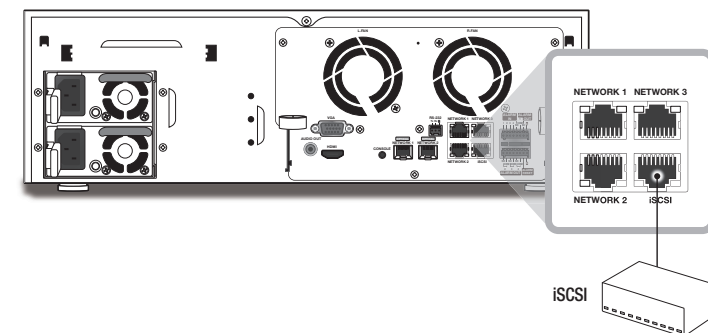


Internetanslutning via PPPoE

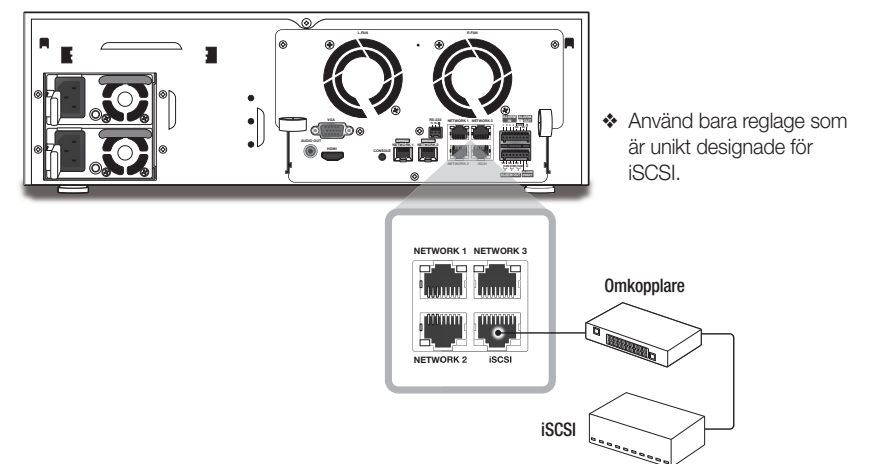


Ansluta iSCSI

Direktanslutning till NVR



Det går att ansluta via switch



Alternativ		Detaljer	
Display			
Nätverkskamera	Ingångar	Max. 64 kanaler	
	Upplösning	CIF ~ 12MP	
	Protokoll	Wisenet, ONVIF	
Live	Lokal display	1x HDMI / 1x VGA Dubbel monitor	
	Prestanda	[Lokal monitor] - 12M (30fps) - 8.3M(120fps) - 1080p(480fps) - 720P(960fps) - D1(1920fps)	
Prestanda			
Operativsystem	Inbäddat	Linux	
Insp.	Komprimering	H.265, H.264, MJPEG, WiseStream(H.265, H.264)	
	Inspelningsbandbredd	Max. 250Mbps (Icke RAID)	Max. 400Mbps (RAID-5/6)
	Upplösning	CIF ~ 12MP	
Sök och spela	Bandbredd för uppspelning	Max. 32 Mbps (16 kanaler samtidigt)	
	Användare	Max. 4 användare (Lokal 1, Fjärrstyrd 3)	
	Samtidig uppspelning	Max. 16 kanaler (lokal bildskärm, CMS)	
	Upplösning	CIF ~ 12MP	
	Fisheye-korrigerig	WEB / CMS	
	Uppspelningsstyrning	Snabb/långsam, framåt/bakåt, ett steg upp/ett steg ned	
Lagring	Inbyggd	0TB ~ 8TB	
	Inbyggd hårddisk	12 (Max. 96TB, ej-RAID-läge)	
	Extern	iSCSI-lagring (Max. 192TB)	
	RAID	RAID-5/6(matrisstorlek : 6-Hdd x 2 matris)	
Kopiering	Filsäkerhetskopia	BU/Exe(GUI), JPG/AVI(Nätverk)	
	Funktion	Multikanal (upp till 16 KAN) uppspelning, datum-tid/titelvisning	

Alternativ		Detaljer
Givare	I/U	4/4 (NO/NC valbart)
Ljud	Ingång	64 kanaler (nätverk)
	Komprimering	G.711 , G.726, AAC(16/48KHz)
	Ljudkommunikation	tvåvägs
Nätverk		
för nätverk		RJ-45(Gigabit Ethernet) x4, SFP x2
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 DDNS
Överföringsbandbredd		Max. 400Mbps
Max fjärranvändare		Sökning (3) / Live unisändning (10) / multisändning (20)
IP-version		IPv4/v6
Säkerhet		IP-adressfiltrering, användaråtkomstlogg, 802.1x, kryptering, 2Men-Rule
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 (10.8 eller högre)
Webbläsare		MS IE, Google Chrome, Mac Safari
Programvara för visning	Typ	SSM, Webviewer, SmartViewer, Wisenet Mobile Viewer
	CMS-stöd	Stöd för SDK/CGI (SUNAPI) för integrering med 3:e parts VMS
Funktioner		
PTZ	Styrning	Via användargränssnitt, Webviewer, SPC-2000
	Förinst.	300 förinställningar
Smarttelefon	Supportmodell	Android, iOS
	Protokoll som stöds	RTP, RTSP, HTTP, CGI (SUNAPI)
	Styrning	Live(16ch) : Multi-profilstöd uppspelning(1ch)
	Max fjärranvändare	Sök (3) / Live unisändning(10)

Alternativ		Detaljer
Redundans	Felavhj.	N+1
	ARB	Ja
Systemstyrning		Mus, Webb, SPC-2000 (styrenhet)
Indikator/gränssnitt		
Främre	indikator	Statusindikator - HDD-händelse(12), RAID Status(1), alarm(1), ström(1), inspelning(1), säkerhetskopiering(1), nätverk(1)
Anslutningar	VGA	Under: 1 EA (Stöd för Live-skärm upp till 32-delat läge)
	HDMI	Huvud: 1 EA (Stöder Live / PB / Konfiguration) - Stöd upp till 4K (3840 x 2160, Enkelt monitorläge, 64-delat)
	Ljud	Ut (1EA, RCA, linje)
	Ethernet	RJ-45 4EA (LAN/WAN, 1Gbps), 1000M SFP 2ea
	Alarm	1) In(4EA, Kopplingsplint) 2) Alarm Reset(1EA) 3) Ut(4EA, Kopplingsplint) - Relay Ut1(NO/NC/COM) - Relay Ut2~4(NO/COM)
	USB	2EA(Fram 2)
	Lagring	iSCSI
	Serienummer	RS-232C
	Återställning	Reglage(1EA)
	Nätkabel	2 EA nätingångar

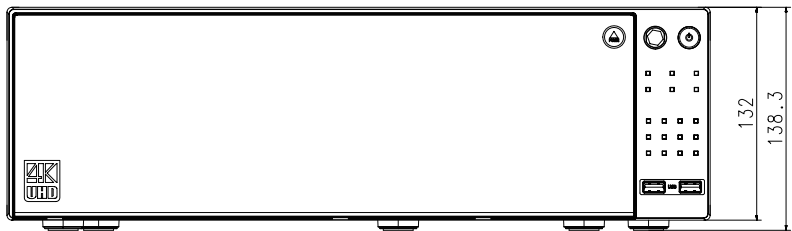
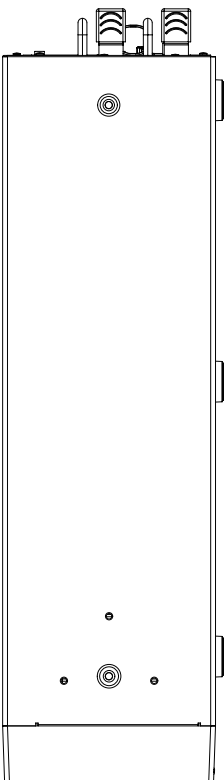
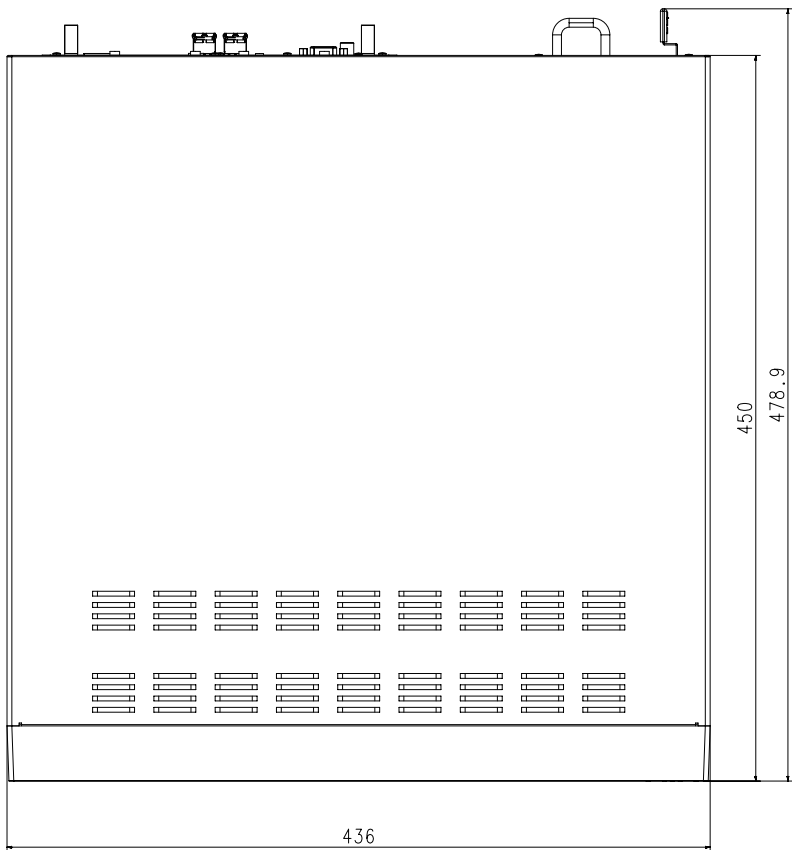
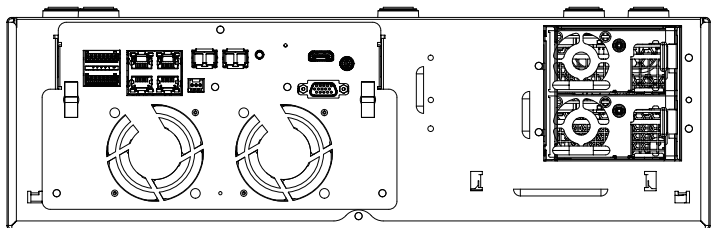
Alternativ		Detaljer
System		
Logg	Logglista	Max 20,000 (för vardera system, händeleslogg)
Driftsmiljö		
Driftstemperatur / luftfuktighet		0° C till +40° C (+32°F till +104°F)
Luftfuktighet		20% ~ 85% RH
Specifikationer		
Ström		100 ~ 240 VAC ±10%; 50/60 Hz, 3~1.5A (Dubbel SMPS)
Energiförbrukning		Max. 250W (853 BTU med HDD 12ea)
Fysiska specifikationer		
Färg / material		Svart/metall
Mått (BxHxD)		B436.0 x H132.0 x D450.0mm (17.17" x 5.2" x 17.72") (3U)
Vikt		Ung. 11Kg (24.3 lb, Hårddisken medföljer inte)

Hårddiskens inspelningsprestanda

Enhet : (Mbps)

Lagringssätt	Rcv	Spara			Fjärröverföring	Uppspelning
		Intern		iSCSI		
		Normal	Bygger om			
Intern (RAID5)	400	400	320	300	300	32
Intern (RAID6)	400	400	320	300	300	32
Enkel hårddisk	400	250	-	250	300	32
iSCSI	300	-	-	300	300	32

※ Internet-/iSCSI-lagringsprestandan baseras på ett individuellt användarscenario



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Version 2, June 1991

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```

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Version 1.1

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4. [5]Michael Barone <michael,barone@lmco.com> GPSVME fixes

5. [6]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option

6. [7]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.

7. [8]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver

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12. [13]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.

13. [14]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port

14. [15]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port

15. [16]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119

16. [17]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver

17. [18]Mike Iglesias <iglesias@uci.edu> DEC Alpha port

18. [19]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port

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23. [26]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HP/UX modifications

24. [27]Dave Katz <dkatz@cisco.com> RS/6000 AIX port

25. [28]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver

26. [29]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port

27. [30]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication

28. [31]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305

29. [32]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWW/H, IRIG

30. [33]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port

31. [34]Jeffrey Mogul <mogul@pa.dec.com> ntpttrace utility

32. [35]Tom Moore <tmoore@fivel.daytonoh.ncr.com> i386 svr4 port

33. [36]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port

34. [37]Derek Mulcahy <derek@toybox.demon.co.uk> and [38]Damon Hart-Davis <d@hd.org> ACRON MSF clock driver

35. [39]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling

36. [40]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port

37. [41]Wilfredo Sánchez <wsanchez@apple.com> added support for NetInfo

38. [42]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules

39. [43]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory

40. [44]Ray Schnitzler <schnitz@unipress.com> Unixware1 port

41. [45]Michael Shields <shields@tembel.org> USNO clock driver

42. [46]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver

43. [47]Harlan Stenn <harlan@pfcs.com> GNU automake/ autoconfigure makeover, various other bits (see the ChangeLog)

44. [48]Kenneth Stone <ken@sdd.hp.com> HP-UX port

45. [49]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support

46. [50]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver

47. [51]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver

48. [52]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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Brian Gladman Alternate License

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Hanwha Techwin värnar om miljön i alla produkttillverkningssteg och vidtar ett antal åtgärder för att erbjuda kunderna miljövänligare produkter.

Eco-märkningen symboliserar Hanwha Techwin strävan att skapa miljövänligaprodukter och visar att produkten uppfyller EU RoHS Directive.



Korrekt avfallshantering av produkten (elektriska och elektroniska produkter)

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

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

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



Korrekt avfallshantering av den här produktens batterier

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

Märkningen på batteriet, manualen eller förpackningen visar att batterierna i den här produkten inte får slängas i hushållssoporna vid livsslut. Det kan finnas en märkning med de kemiska symbolerna Hg, Cd eller Pb vilket visar att batteriet innehåller kvicksilver, kadmium eller bly över referensnivåerna i EU-direktivet 2006/66. Om batterierna inte avfallshandteras korrekt kan dessa ämnen orsaka skador på människors hälsa eller på miljön.

För att skydda våra naturresurser och främja återvinning ska batterierna separeras från andra typer av avfall och återvinnas via det lokala återvinningssystemet.

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