

WISeNeT

NETWORK VIDEO RECORDER

Productspecificatiehandleiding

PRN-4011



Netwerk video recorder

Productspecificatiehandleiding

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Handelsmerk

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- ❖ De initiële beheerders-ID is "admin" en het wachtwoord dient te worden ingesteld wanneer u de eerste keer inlogt.
Wijzig uw wachtwoord a.u.b. elke drie maanden om persoonlijke informatie te beveiligen en om schade door diefstal van informatie te voorkomen.
Houd er rekening mee dat een gebruiker verantwoordelijk is voor de veiligheid en voor enig ander probleem veroorzaakt door het onjuist beheren van een wachtwoord.

BELANGRIJKE VEILIGHEIDSINSTRUCTIES

Lees deze bedieningsinstructies zorgvuldig door voordat u het apparaat gebruikt.

Volg elk van onderstaande veiligheidsinstructies.

Houd deze instructies bij de hand voor toekomstig gebruik.

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



VOORDAT U VAN START GAAT

Deze handleiding biedt de bedieningsgegevens die noodzakelijk zijn om het product te gebruiken en bevat een beschrijving over alle onderdelen en de functie ervan naast menu- of netwerkinstellingen.

Let op het onderstaande :

- Hanwha Techwin behoudt het auteursrecht van deze handleiding.
- Deze handleiding mag niet worden gekopieerd zonder voorafgaande, schriftelijke goedkeuring van Hanwha Techwin.
- We zijn niet aansprakelijk voor enigerlei schade aan het product ten gevolge van gebruik van niet-aanbevolen materialen en/of onderdelen of door het niet in acht nemen van de voorschriften zoals vermeld in deze handleiding.
- Als u voor onderzoek naar storingen de behuizing van het systeem wilt openen, neem dan contact op met de vakman uit de winkel waar u het product hebt gekocht.
- Voordat u een vaste schijf of een extern opslagapparaat (USB-geheugen, USB HDD enz.) toevoegt, moet u controleren of het apparaat compatibel is met dit product. Neem voor de compatibiliteitslijst contact op met de leverancier.

Waarschuwing

Batterij

Wanneer u een verkeerd type batterij plaatst in het product, dan kan dit een explosie veroorzaken.

Gebruik daarom hetzelfde type batterij als de batterij die is gebruikt in het product.

Hieronder volgen de specificaties van de batterij die u nu gebruikt.

- Normaal voltage : 3 V
- Normaal vermogen : 210 mAh
- Continue standaardlading : 0,4 mA
- Bedrijfstemperatuur : -20°C ~ +60°C (-4°F ~ +140°F)

Caution

- Sluit de voedingskabel aan op een geaard stopcontact.
- De hoofdstekker wordt gebruikt als een ontkoppelaarapparaat en dient op ieder moment in gebruik te kunnen worden genomen.
- Batterijen mogen niet worden blootgesteld aan overmatige warmte, zoals zon, vuur of soortgelijke situaties.
- Als u de batterij vervangt door een batterij van een onjuist type, bestaat er gevaar op ontploffing. Houd u bij het afvoeren van gebruikte batterijen aan de instructies.
- Wanneer de HDD het einde van de levensduur bereikt, kunnen de opgeslagen videogegevens beschadigd zijn, en kunnen wellicht niet worden hersteld.
- Het LED-statuslampje van de LED op de voorkant van het systeem knippert voortdurend om aan te geven dat de verbinding van het systeem met de HDD normaal is. Controleer het LED-statuslampje van de HDD regelmatig om te kijken of het voortdurend knippert. "Opnemen is wellicht niet mogelijk in geval van een HDD-fout. Controleer periodiek de opnamestatus en maak regelmatig een back-up van belangrijke gegevens."

Systeemstopzetting

Het uitschakelen van het product terwijl dit in gebruik is of het uitvoeren van onjuiste acties kan tot schade of storingen aan de HDD of het product leiden.

Druk op <OK> in het uitschakelvenster en verwijder vervolgens de stroomkabel om zeker te zijn dat de stroom veilig is uitgeschakeld.

U kunt eventueel een UPS-systeem installeren voor een veilig gebruik; een dergelijk systeem voorkomt schade door een onverwachte stroomonderbreking. (Voor vragen over UPS neemt u contact op met uw UPS-leverancier.)



- Indien het apparaat abnormaal is afgesloten, kan het opnieuw opstarten langer duren omdat gegevens vanaf het vaste-schijfstation moeten worden hersteld voor een juiste werking.

Bedrijfstemperatuur

De bedrijfstemperatuur (met garantie) van dit product bedraagt 0°C ~ 40°C (32°F ~ 104°F). Het product functioneert wellicht niet naar behoren, als u het direct na een lange opslagperiode opstart op een te lage temperatuur die niet onder de garantie valt.

Wanneer u het apparaat gebruikt na een lange opslagperiode en de temperatuur is te laag, plaats het product dan eerst in een ruimte en laat het op kamertemperatuur komen vooraleer u het opstart.

Vooraf voor de harde schijf die in het product is ingebouwd, moet de temperatuur binnen een bereik liggen van 5°C ~ 55°C (41°F ~ 131°F), anders valt het gebruik niet binnen de garantie. De harde schijf kan dus eveneens niet naar behoren functioneren, wanneer de temperatuur te laag is en niet binnen garantiegebruik valt.

Ethernet-poort

Deze apparatuur is bestemd voor gebruik binnenshuis. Alle communicatiekabels moeten binnen het gebouw blijven.Paket içeriği

Beveiligingsmaatregelen

De initiële beheerders-ID is “admin” en het wachtwoord dient te worden ingesteld wanneer u de eerste keer inlogt.

Wijzig uw wachtwoord a.u.b. elke drie maanden om persoonlijke informatie te beveiligen en om schade door diefstal van informatie te voorkomen.

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Gebruikte grafische symbolen

Grafische symbolen op de apparatuur, hetzij vereist door deze norm of niet, dienen volgens IEC 60417, ISO 3864-2 of ISO 7000 te zien, indien beschikbaar.

Als geschikte symbolen niet beschikbaar zijn, mag de fabrikant specifieke grafische symbolen ontwerpen.

De op de apparatuur aangebrachte symbolen dienen in de gebruikershandleiding te worden uitgelegd.

Symbool	Publicatie	Omschrijving
	IEC60417, No.5032	Wisselstroom

NVR-producten die de verschillende functies ondersteunen

Functie	Producten
Ventilator	PRN-4011
RAID	PRN-4011
iSCSI	PRN-4011
Joystick	PRN-4011
Uitgebreide monitor	PRN-4011
Voedingsredundantie	PRN-4011
Failover	PRN-4011

INHOUD

OVERZICHT

3

3

5

6

7

7

Belangrijke Veiligheidsinstructies

Voordat u van Start Gaat

Inhoud

Kenmerken

Onderdelen en functies (voorzijde)

Onderdelen en functies (achterzijde)

INSTALLATIE

8

8

8

8

De installatieomgeving controleren

Installatie in rack

Vaste schijven toevoegen

AANSLUITEN OP ANDERE APPARATUUR

10

10

10

11

11

12

Aansluiten op een extern apparaat

Aansluiten van een optische module

De USB aansluiten

De Alarminvoer/Uitvoer aansluiten

Aansluiten op het netwerk

PRODUCTSPECIFICVATIES

13

13

Productspecificaties

PRODUCTWEERGAVE

15

15

Productweergave

KENMERKEN

Het product neemt video en audio van netwerkcamera's op een harde schijf op waarna deze kunnen worden afgespeeld vanaf de vaste schijf.

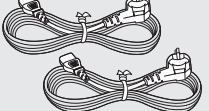
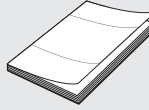
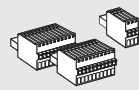
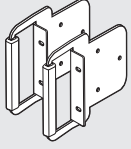
Het product biedt tevens een externe controle-omgeving voor video en audio via het netwerk met behulp van een externe computer.

- Gebruikersvriendelijke interface
- Ondersteunt een bereik van 4K camera resoluties (3840X2160, 4096X2160, 4000X3000)
- Geeft een 4K high definition afbeelding met behulp van HDMI
- Decodering van 64 gesplitste schermen
- Ondersteunt dubbel scherm (uitbreiding, kopie)
- Ondersteunt meerdere wachtwoorden
- Video opnemen en afspelen
- Audio opnemen en afspelen
- Ondersteunt ONVIF Profile S-standaard en RTP/RTSP-protocollen
- De bedrijfsstatus van de vaste schijf weergegeven via HDD SMART
- Overschrijven van vaste schijf mogelijk
- Back-up met behulp van USB 2.0-protocollen en externe vaste schijf
- Gelijktijdig afspelen van 16 kanalen
- Diverse zoekmodi (Tijd, gebeurtenis, Smart, tekst, back-up, ARB)
- Diverse opnamemethoden (Normaal, Gebeurtenis, Geplande opname)
- Alarminvoer/-uitvoer
- Functie voor externe bewaking via Windows Network Viewer
- Live-bewaking van de netwerkcamera
- Installatiewizard-functie (Eenvoudige Installatie)
- Ondersteunt meerdere profielen voor externe kijkers
- Ondersteunt ARB
- Ondersteunt failover
- Functie om de opslagperiode in te stellen voor elk kanaal

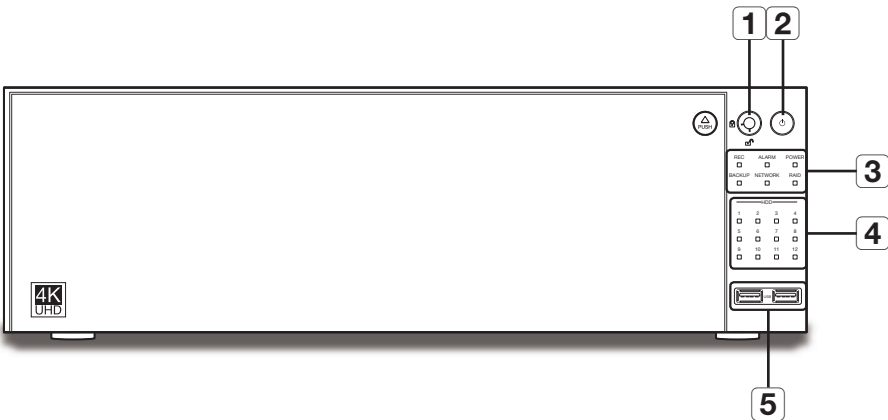
Inhoud van de verpakking

Verwijder de verpakking van het product en plaats het product op een vlakke ondergrond of op de plaats waar het moet worden geïnstalleerd.

Controleer of de productverpakking de hoofdeenheid en alle volgende accessoires bevat.

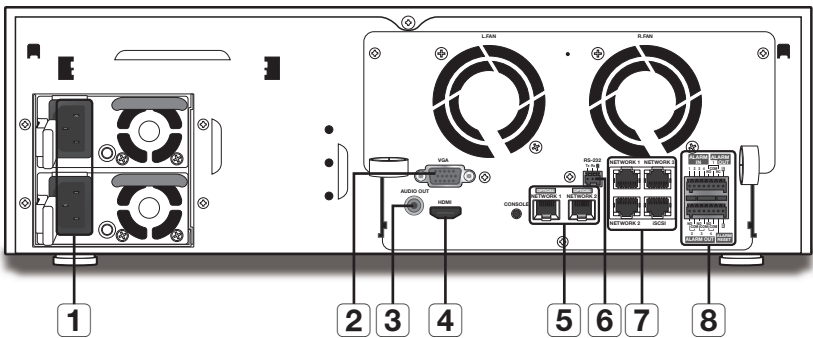
		
NVR	Muis	Voedingskabel
		
Snelstartgids	Klemmenblok	Rekmontage
		
Rekmontage bevestigingsschroef	HDD-bevestigingsschroef	HDD-slot met sleutel

ONDERDELEN EN FUNCTIES (VOORZIJDE)



Onderdelen	Funcities
1 HDD -slot met sleutely	Dit is een vergrendeling gebruikt voor het beperken van de toegang tot de HDD. Gebruik de productsleutel die bij de aanschaf van het product is meegeleverd.
2 Voeding	Gebruikt om de in of uit te schakelen.
3 Indicatielampje (LED)	REC : gaat branden wanneer een opname in gang is. ALARM : gaat branden wanneer zich een gebeurtenis voordoet. POWER : Toont de AAN/UIT-status van de voeding. BACKUP : brandt terwijl een back-up in gang is. NETWORK : geeft de status weer van de netwerkverbinding en gegevenstransmissie. RAID : Toont huidige RAID-werking.
4 HDD	Geeft aan dat de vaste schijf wordt gebruikt. LED gaat branden wanneer u de harde schijf gebruikt.
5 USB	Aansluiting voor USB-apparaten.

ONDERDELEN EN FUNCTIES (ACHTERZIJDE)



Onderdelen	Funcities
1 Power	Aansluiting voor de netspanning. Met duplex voeding kan dit apparaat correct werken, zelfs als u slechts één voeding aansluit. Echter, voor de betrouwbaarheid, is het raadzaam dat u aparte voedingen gebruikt. Als er een probleem optreedt in beweging, gaat het SMPS-alarm af (u kunt het alarm uitschakelen door op de ronde groene knop te drukken) Ook als de stroom niet is aangesloten, kunnen de overeenkomstige groene SMPS-knop, LED en ventilator worden gebruikt.
2 VGA	VGA-videosignaaluitgang.
3 AUDIO OUT	Uitgang voor audiosignaal (RCA-stekker).
4 HDMI	HDMI-aansluiting.
5 OPTICAL NETWORK 1/2	Optical communications I/F port.
6 RS-232C	Kabelklem voor seriële communicatie.
7 NETWORK1	Poort voor aansluitingen van de camera; deze ontvangt video van een camera.
7 NETWORK2	Poort voor aansluitingen van de camera; deze ontvangt video van een camera.
7 NETWORK3	Poort gebruikt om video te verzenden naar de webviewer.
iSCSI	Poort voor het maken van een verbinding met externe iSCSI.
8 ALARM	- ALARM IN : Alarmingangen. (1~4 CH) - ALARM RESET : Alarmresetpoort - ALARM OUT : Alarmuitgangen. (1~4 CH)

[CONSOLE] is alleen ontworpen met het oog op onderhoud en herstellingen.

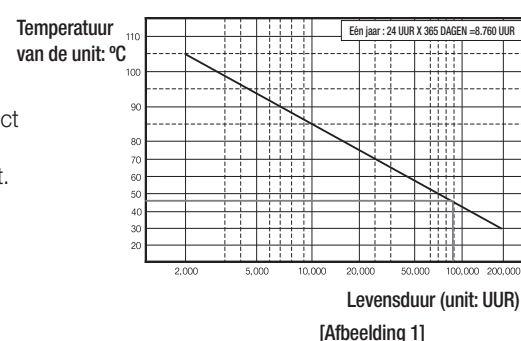
Houd rekening met het volgende voordat u het product gaat gebruiken.

- Gebruik het product niet buitenshuis.
- Mors geen water of vloeistof over het aansluitgedeelte van het product.
- Stel het apparaat niet bloot aan harde schokken of druk.
- Trek de stekker niet met geweld uit het stopcontact.
- Demonteer het apparaat nooit zelf.
- Het vastgestelde invoer- of uitvoerbereik mag niet worden overschreden.
- Gebruik alleen een goedgekeurd netsnoer.
- Gebruik voor producten met een aardeaansluiting een geaard stopcontact,

DE INSTALLATIEOMGEVING CONTROLEREN

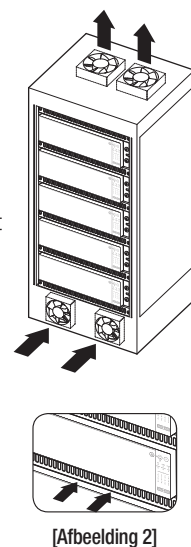
Dit product is een hoogtechnologisch beveiligingsapparaat met een grote, interne vaste schijf en moderne circuits.

Let op: een te hoge temperatuur binnen in het product kan tot een systeemstoring leiden of kan de levensduur van het product bekorten (zie de afbeelding rechts). Houd de volgende instructies in uw achterhoofd bij het installeren van het product.



Wanneer het product op een rek wordt geïnstalleerd, dient u de volgende instructies op te volgen.

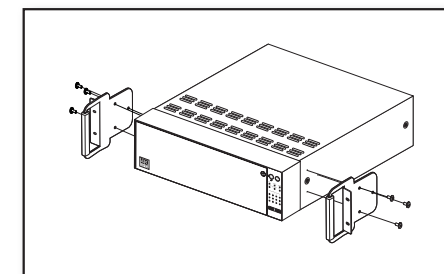
1. Controleer dat de binnenkant van het rack niet is afgedicht.
2. Zorg ervoor dat de lucht vrij kan stromen via de inlaat/uitlaat, zoals aangegeven in de afbeelding.
3. Als u de producten opstapelt of andere producten voor rackmontage gebruikt zoals weergegeven in figuur 2, moet u ventilatorsysteem in de ruimte installeren.
4. Zorg voor een natuurlijke luchtstroom door de inlaat aan de onderkant te plaatsen en de uitlaat aan de bovenkant.
5. Het is sterk aan te raden een ventilatormotor te plaatsen bij de inlaat en de uitlaat om de luchtcirculatie te bevorderen. (Voorzie de inlaat van een filter om stof en andere substanties buiten het systeem te houden.)
6. Houd de temperatuur binnen en rond het rack tussen 0°C en 40°C, zoals aangegeven in afbeelding.



INSTALLATIE IN RACK

Installeer het steunrek zoals aangegeven in de afbeelding en bevestig vervolgens de schroeven aan beide kanten.

- Draai de schroeven vast zodat ze niet door trillingen losraken.



VASTE SCHIJVEN TOEVOEGEN

Haal de stekker uit het stopcontact om gevaar op elektrische schokken, letsel of schade aan het product te vermijden. Neem contact op met uw leverancier voor meer informatie over het installeren van een vaste schijf, aangezien het product als gevolg van onjuiste installatie of instellingen zou kunnen worden beschadigd.

- Aantal vaste schijven dat wordt ondersteund : Maximaal 12 vaste schijven ondersteund
- Haal de stekker uit het stopcontact voordat u verder gaat met de installatie.



Preventie van gegevensverlies (zorg voor de vaste schijf)

Let op het volgende om te voorkomen dat de gegevens op de HDD niet worden beschadigd.

Voordat u een vaste schijf toevoegt, moet u controleren of deze compatibel is met dit product.

Een vaste schijf is storinggevoelig als gevolg van de gevoeligheid van dergelijke apparaten voor met name schokken tijdens bedrijf.

org ervoor dat de vaste schijf beschermd wordt tegen dergelijke schokken.

Wij zijn niet aansprakelijk voor schade aan de vaste schijf als gevolg van onachtzaamheid van of onjuist gebruik door de gebruiker.

Behuizingen kunnen schade aan de vaste schijf of de opgenomen gegevens veroorzaken

Verlaag het risico op gegevensverlies als gevolg van een beschadigde vaste schijf zoveel mogelijk door regelmatig een back-up van uw gegevens te maken.

Als het product een schok oploopt bij het uit elkaar halen of in elkaar zetten, kunnen de gegevens die op de vaste schijf zijn opgeslagen, worden beschadigd.

Een plotselinge stroomstoring of het product uitschakelen terwijl de vaste schijf operationeel is, kan de vaste schijf beschadigen. De vaste schijf of de bestanden die erop zijn opgeslagen kunnen beschadigd worden als het toestel wordt verplaatst of aangestoten terwijl de vaste schijf in bedrijf is.

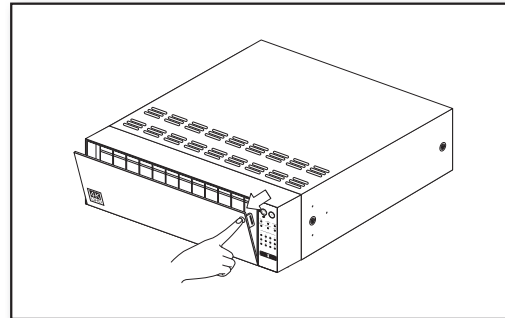
Aandachtspunten voor het installeren van de vaste schijf

1. Oefen geen overmatige kracht uit op de HDD.
2. Zorg dat u de bevestigingsschroeven of accessoires niet kwijtraakt.
 - Als de schroeven of accessoires niet op de juiste wijze zijn aangebracht, kan het product defect raken of niet goed werken.
3. Controleer voordat u een vaste schijf toevoegt of deze compatibel is met het apparaat.
 - Neem contact op met de dichtstbijzijnde dealer voor een lijst met compatibele apparaten.
4. Als u een harde schijf wilt vervangen of toevoegen, neem dan eerst contact op met uw leverancier of onze klantenservice.
 - Alleen de productbeheerder kan de harde-schijfdeur aan de voorzijde openen.

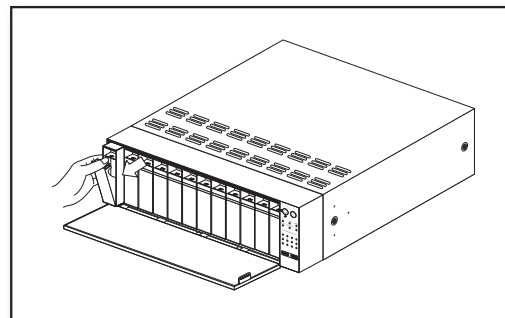
De HDD-schijf installeren

- ! ■ Als u een nieuwe of gebruikte HDD toevoegt aan dit product naast de reeds geïnstalleerde HDD('s), moet de nieuwe HDD handmatig worden geformatteerd voordat u deze kunt gebruiken.
Als u wilt weten hoe u moet formatteren, raadpleegt u "Apparaat/formatteren" in de Wisenet NVR Gebruikershandleiding.
- Voor vervanging of installatie van een extra harde schijf, moet u contact opnemen met uw leverancier of onze klantenservice.

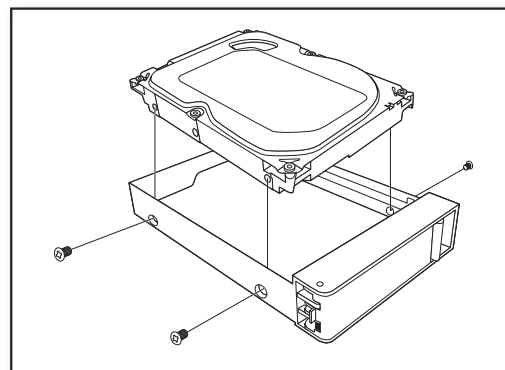
1. Druk op de <PUSH>-knop aan de voorzijde om de voorste afscherming te openen.



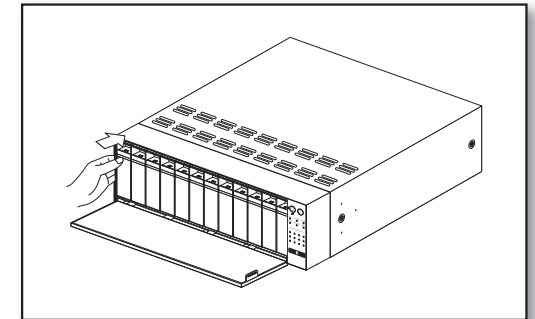
2. Na het drukken op de blauwe knop in de HDD-houder, trekt u deze handmatig uit om HDD-houder uit de behuizing te halen.



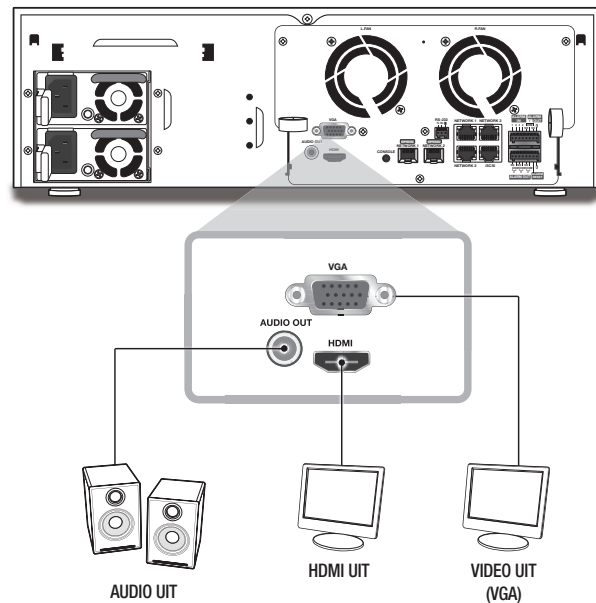
3. Monteer een HDD in de HDD-houder en schroef deze vast met behulp van de bijgeleverde schroeven.



4. Nadat de HDD is gemonteerd in de houder, duwt u de houder in de behuizing en sluit u de afscherming aan de voorzijde.



AANSLUITEN OP EEN EXTERN APPARAAT

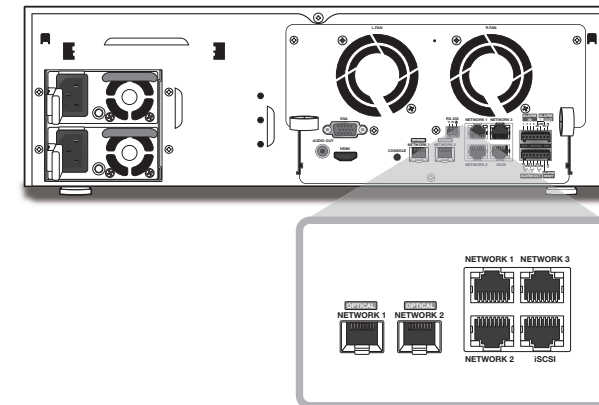


- ! Het gebruik van een onjuiste voedingsbron kan schade veroorzaken aan het systeem. Controleer of u een juiste voedingsbron gebruikt voordat u op de AAN/UIT-knop drukt.

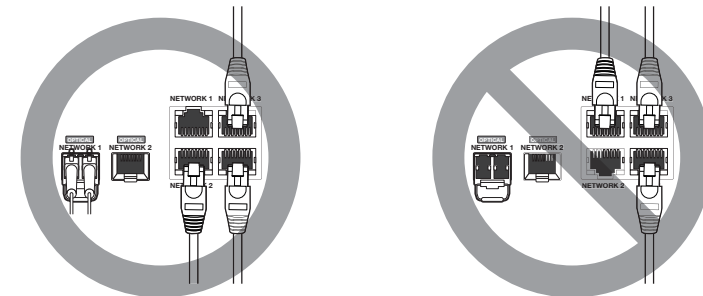
AANSLUITEN VAN EEN OPTISCHE MODULE

De nominale stroom van een optische module is 3,3 VDC / 0,25 A.

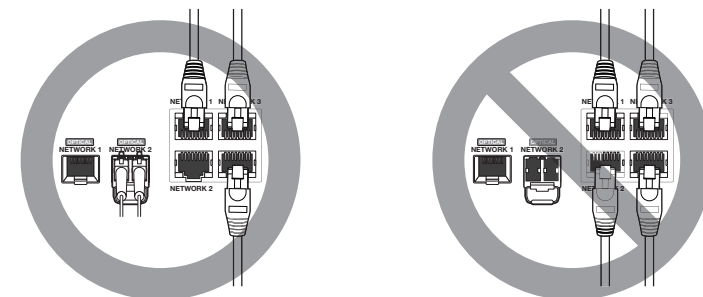
- Wanneer een optische module is geïnstalleerd, is het gebruik van de utp-poort beperkt.
- Installeer alleen een optische module als deze nodig is.



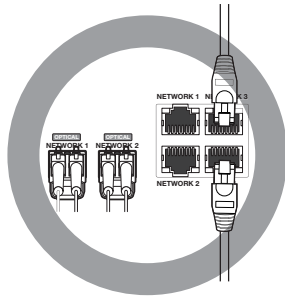
1. [OPTICAL NETWORK1] is een poort die wordt gedeeld met [NETWORK1].



2. [OPTICAL NETWORK2] is een poort die wordt gedeeld met [NETWORK2].



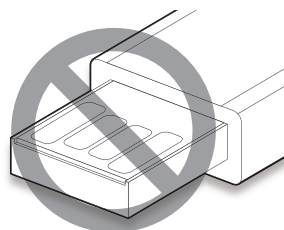
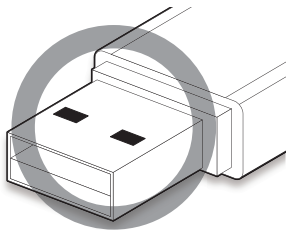
3. [OPTICAL NETWORK1/2] is een poort die wordt gedeeld met [NETWORK1/2].



DE USB AANSLUITEN

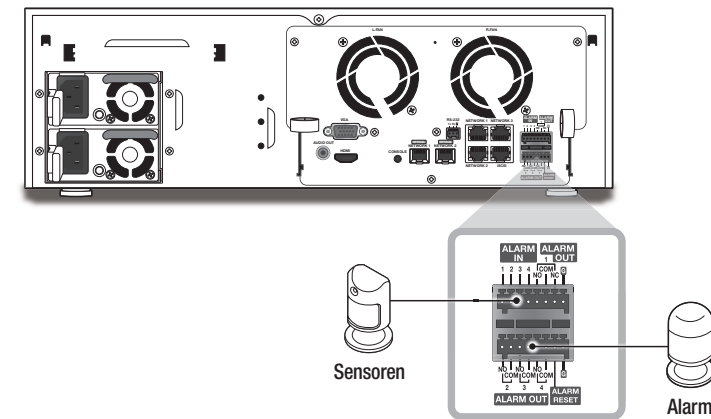
1. Op de voorkant van het product zit een USB-poort.
2. Op de USB-poort kunt u een vaste schijf, USB-geheugen of muis aansluiten.
3. Als de USB-HDD is verbonden met het systeem, kan deze worden gedetecteerd en ingesteld door de stappen te volgen in **"Menu > Toestel > Opslagapparaat"** in de Wisenet NVR Gebruikershandleiding.
4. Het product ondersteunt hot plugging zodat USB-apparaten kunnen worden aangesloten/ontkoppeld terwijl het systeem operationeel is.

- ! Als u het USB-apparaat gebruikt voor het maken van back-ups, moet u dit op een pc formatteren in de indeling FAT32 als het nog niet is geformatteerd op de NVR.
- Bepaalde USB-apparaten werken mogelijk niet goed vanwege compatibiliteitsproblemen. Controleer het apparaat voordat u het gebruikt.
- Er wordt alleen gegevensoverdracht gegarandeerd voor USB-opslagapparaten die aan de normen voldoen (een metalen omhulsel).
- Wanneer de contactpunten zijn afgesleten, werkt de gegevensoverdracht tussen de apparaten mogelijk niet goed.

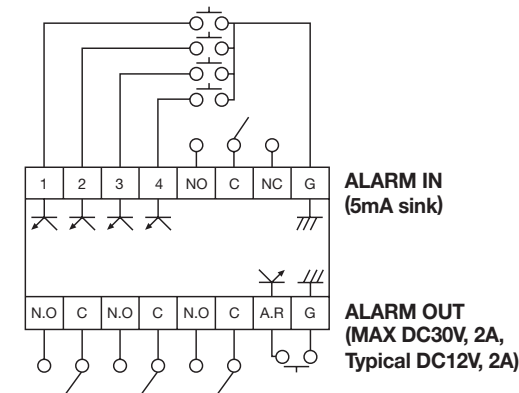


DE ALARMINVOER/UITVOER AANSLUITEN

De aansluiting Alarm In/Uit aan de achterzijde is als volgt samengesteld.



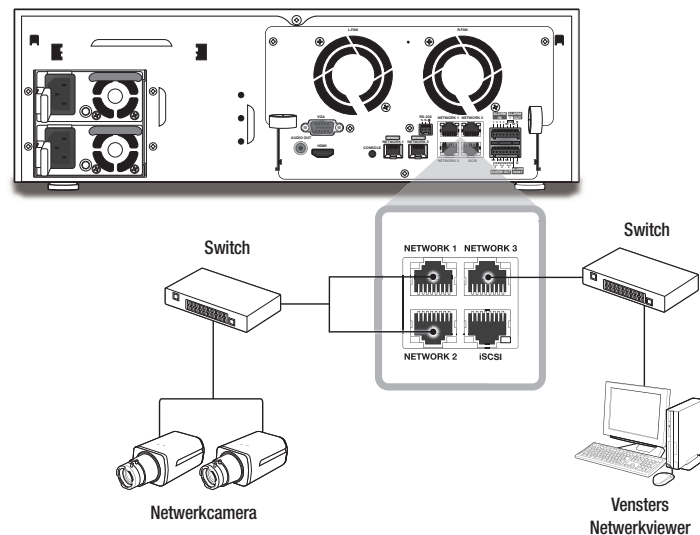
- ALARM IN 1-4: alarmingang
- ALARM RESET: Bij ontvangst van het signaal Alarm Reset annuleert het systeem de huidige alarmingang en worden de metingen hervat.
- ALARM OUT 1-4: alarmuitgang



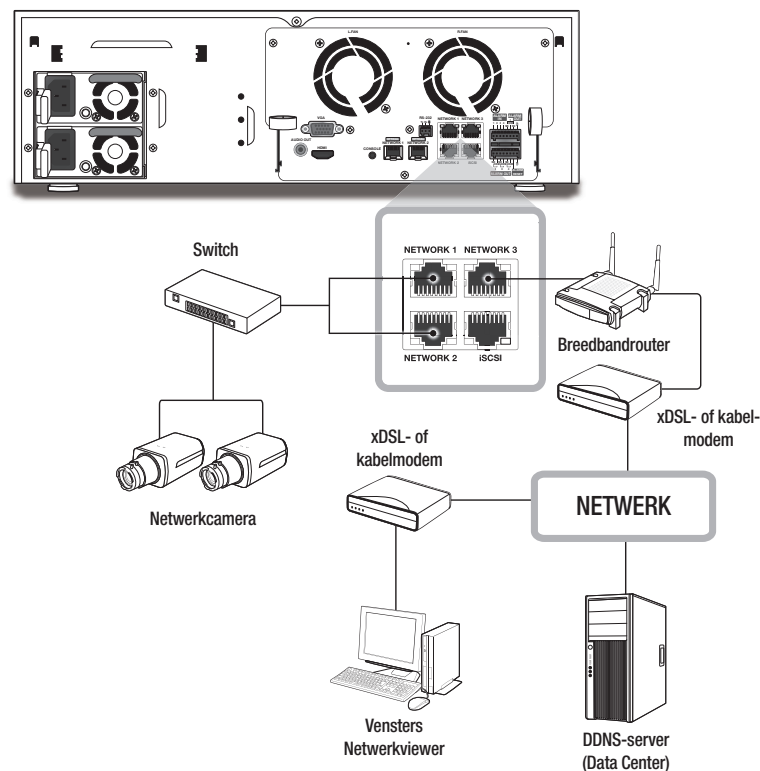
AANSLUITEN OP HET NETWORK

- Voor meer informatie over de netwerkverbinding raadpleegt u "Netwerkconfiguratie" in de Wisenet NVR Gebruikershandleiding.

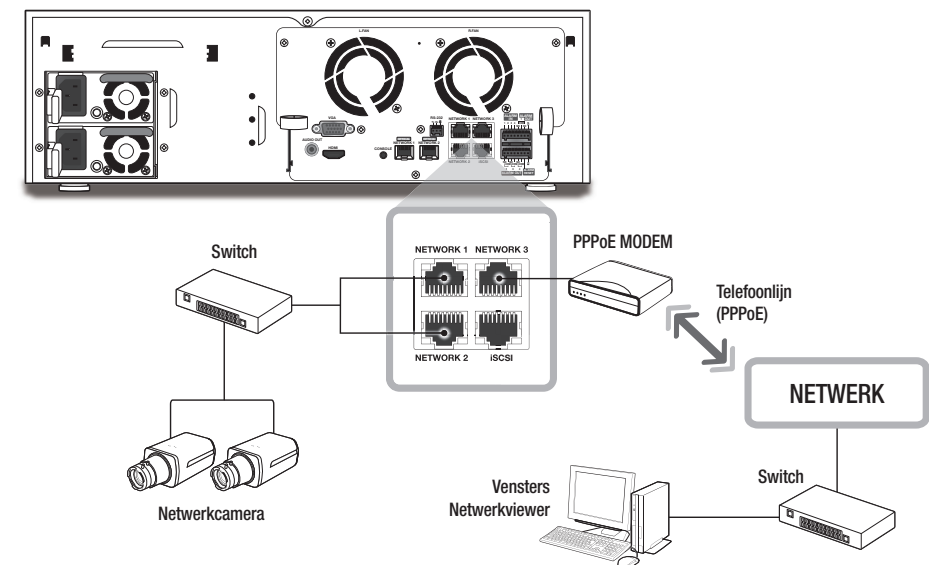
Aansluiting op het netwerk via Ethernet (10/100/1000BaseT)



Aansluiting op het netwerk via router

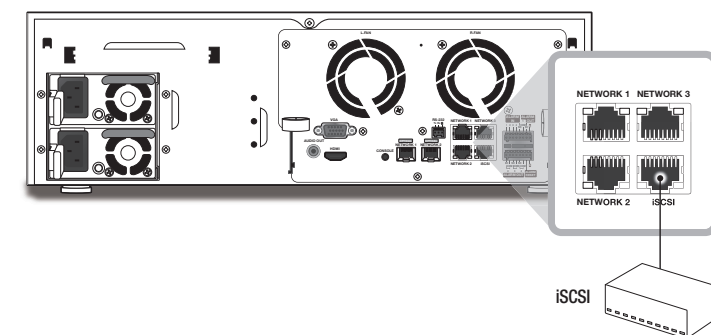


Aansluiten op Internet via PPPoE

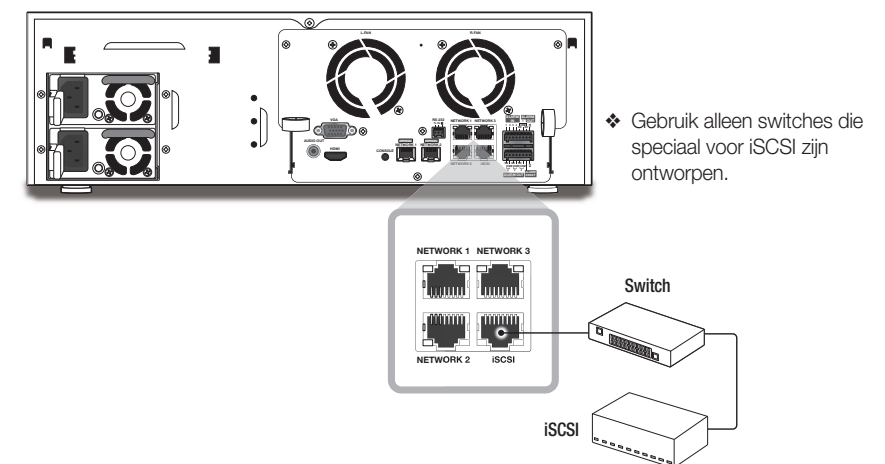


Verbinding maken met iSCSI

Rechtstreeks aansluiten op de NVR



Er kan een switch gebruikt worden voor aansluiting



Item		Details	
Weergave			
Netwerkcamera	Ingangen	Max. 64 kanalen	
	Resolutie	CIF ~ 12MP	
	Protocollen	Wisenet, ONVIF	
Live	Lokale weergave	1x HDMI / 1x VGA Dubbel scherm	
	Prestaties	[Lokaal scherm] - 12M (30fps) - 8.3M(120fps) - 1080p(480fps) - 720P(960fps) - D1(1920fps)	
Prestaties			
Besturingssysteem	Geïntegreerd	Linux	
Opnemen	Compressie	H.265, H.264, MJPEG, WiseStream(H.265, H.264)	
	Bandbreedte voor opnemen	Max. 250Mbps (Non-RAID)	Max. 400Mbps (RAID-5/6)
	Resolutie	CIF ~ 12MP	
Zoeken & Afspelen	Bandbreedte voor afspelen	Max. 32Mbps(16ch gelijktijdig)	
	Gebruiker	Max. 4 gebruikers (1 lokaal, 3 extern)	
	Gelijktijdig afspelen	Max. 16 Kanalen(Lokale monitor, CMS)	
	Resolutie	CIF ~ 12MP	
	Vissenoogafvlakking	WEB / CMS	
	Afspelen bedieningselemente	Snel/Traag Vooruit/Achteruit, Eén stap omhoog/Eén stap omlaag	
Opslag	Ingebouwd	0TB ~ 8TB	
	Interne HDD	12 (Max. 96TB, Non-RAID Modus)	
	Extern	iSCSI-opslag (Max. 192TB)	
	RAID	RAID-5/6(Reeksgrootte : 6-HDD x 2 reeks)	
Back-up	Bestandsback-up	BU/Exe(GUI), JPG/AVI(Netwerk)	
	Functie	Multikanaalweergave (tot 16 kanalen), datum-, tijd- en titelweergave	

Item		Details
Sensor	I/O	4/4 (NO/NC te selecteren)
Audio	Invoer	64 kanalen (netwerk)
	Compressie	G.711, G.726, AAC(16/48KHz)
	Audio-communicatie	2-wegs
Netwerk		
Interface		RJ-45(Gigabit Ethernet) x4, SFP x2
Protocol		TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Cliënt), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI (Server, Cliënt)
DDNS		Hanwha DDNS
Overdracht bandbreedte		Max. 400Mbps
Max. aantal externe gebruikers		Zoeken (3)/Live unicast (10)/Multicast (20)
IP-versie		IPv4/v6
Beveiliging		IP-filtering, gebruikerstoegangslog, 802.1x, encryptie, vierogenprincipe
Talen		Engels, Frans, Duits, Italiaans, Spaans, Russisch, Turks, Pools, Nederlands, Zweeds, Tsjechisch, Portugees, Deens, Roemeens, Servisch, Kroatisch, Hongaars, Grieks, Noors, Fins, Koreaans, Chinees, Japans, Thais
OS		Window 7, 8, 10, Mac OS X (10.8 of hoger)
Webbrowser		MS IE, Google Chrome, Mac Safari
Viewersoftware	Type	SSM, Webviewer, SmartViewer, Wisenet Mobile Viewer
	CMS-ondersteuning	Ondersteunt SDK/CGI (SUNAPI) voor integratie met VMS van derden
Functies		
PTZ	Besturing	Via GUI, Webviewer, SPC-2000
	Vooraf ingesteld	300 voorinstellingen
Smartphone	Ondersteuningsmodel	Android, iOS
	Ondersteuning van protocollen	RTP, RTSP, HTTP, CGI (SUNAPI)
	Bediening	Live(16ch) : Ondersteuning voor meerdere profielen Afspelen(1ch)
	Max. aantal externe gebruikers	Zoeken(3) / Live unicast(10)

Item		Details
Redundantie	Failover	N+1
	ARB	Ja
Systeembesturing		Muis, Web, SPC-2000(Controller)
Indicator/Interface		
Voorzijde	Indicator	LED(Status indicator) - HDD-actie(12), RAID Status(1), Alarm(1), Stroom(1), Opnemen(1), Back-up(1), Netwerk(1)
Aansluitingen	VGA	Sub: 1EA (ondersteunt livescherm tot max. 32x gesplitste. modus)
	HDMI	Hoofd: 1EA (ondersteunt live, PB, configuratie) - Ondersteunt tot 4K (3840 x 2160, enkele monitor 64x gesplitst)
	Audio	Uit(1EA, RCA, Lijn)
	Ethernet	RJ-45 4EA (LAN/WAN, 1Gbps), 1000M SFP 2ea
	Alarm	1) In(4EA, met klemmen) 2) Alarm Reset(1EA) 3) Uit (4EA, met klemmen) - Relay Out1(NO/NC/COM) - Relay Out2~4(NO/COM)
	USB	2EA(Voorzijde 2)
Aansluitingen	Opslag	iSCSI
	Serieel	RS-232C
	Reset	Switch(1EA)
	Netsnoer	2EA AC-ingang

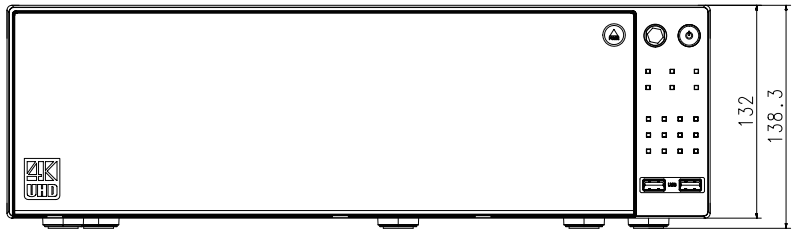
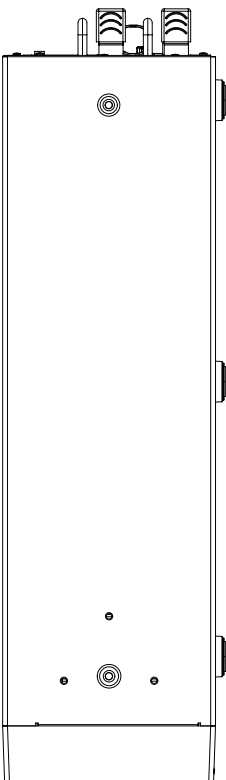
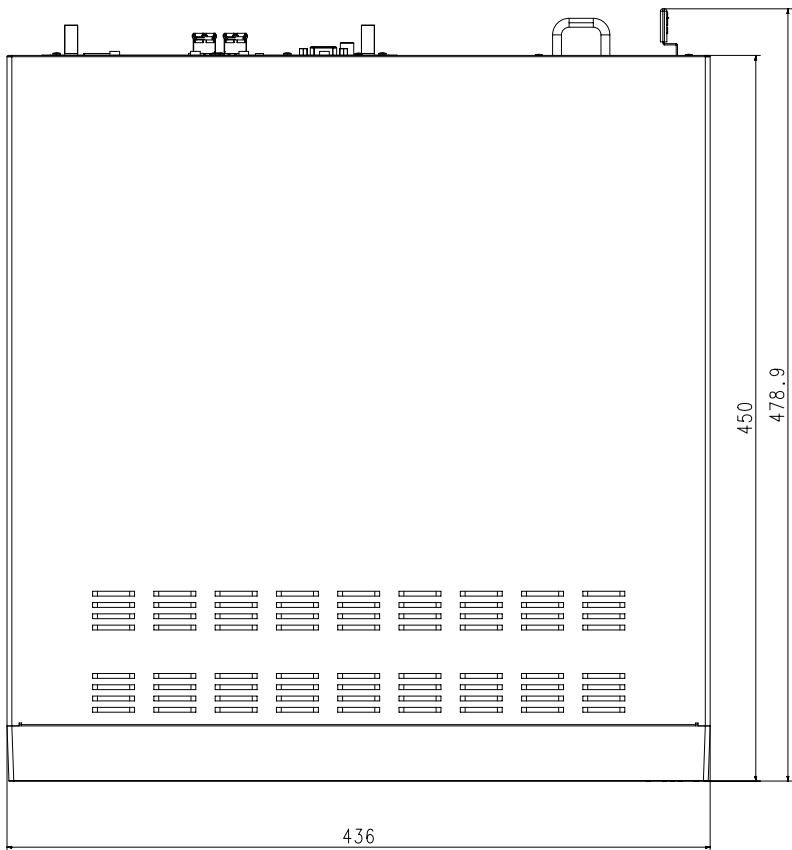
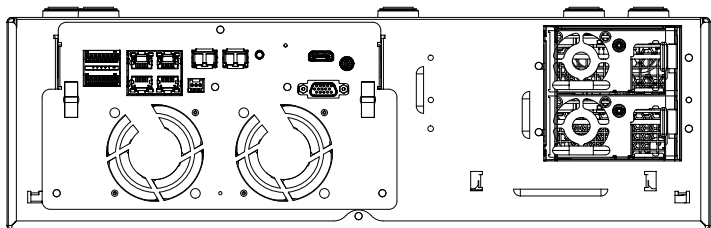
Item		Details
Systeem		
Logboek	Loglijst	Max. 20,000 (Systeemlogboek, Gebeurtenissenlogboek elk)
Omgevingsfactoren		
Bedrijfstemperatuur / Luchtvochtigheid		+0°C to +40°C (+32°F to +104°F)
Vochtigheid		20% ~ 85% RH
Elektrisch		
Voeding		100 ~ 240 VAC ±10%; 50/60 Hz, 3~1.5A (Dubbele SMPS)
Stroomverbruik		Max. 250 W (0,25 kWh met HDD 12ea)
Mechanisch		
Kleur/materiaal		Zwart/metaal
Afmetingen (B x H x D)		B436,0 x H132,0 x D450,0mm (17,17" x 5,2" x 17,72") (3U)
Gewicht		ca. 11Kg (24,3 lb, HDD niet inbegrepen)

Opname prestaties specificatie voor de HDD staat

Eenheid: (Mbps)

Opslagmethode	Rcv	Opslaan			Externe overdracht	Afspelen.
		Intern		iSCSI		
		Normaal	Rebuilding			
Intern (RAID5)	400	400	320	300	300	32
Intern (RAID6)	400	400	320	300	300	32
Enkele HDD	400	250	-	250	300	32
iSCSI	300	-	-	300	300	32

※ Opslagprestaties via internet/iSCSI zijn gebaseerd op individueel gebruik



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- **BSD 2-Clause License:** FreeBSD
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- **Acknowledgement:** This product includes modified version of ffmpeg, Live555, Qt 4.7.2, and npapi-sdk.

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Version 2, June 1991

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Version 1.1

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3. [3]Viraj Bais <vbais@mailman1.intel.com> and [4]Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5

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 rcvbuf and iosignal code into separate modules.

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

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11. [12]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration

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

19. [20]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul

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22. [24]Frank Kardel [25]<Frank.Kardel@informatik.uni-erlangen.de> PARSE <GENERIC> driver (14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup

23. [26]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX 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@fievel.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> ARCRON 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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Hanwha Techwin streeft ernaar tijdens alle productiefasen milieubewust te werk te gaan en neemt maatregelen om klanten meer milieuvriendelijke producten te bieden.

Het Eko-merk vertegenwoordigt de toewijding van Hanwha Techwin aan het maken van milieuvriendelijke producten en geeft aan dat het product voldoet aan de Europese RoHS-richtlijn.



Correcte verwijdering van dit product (elektrische & elektronische afvalapparatuur)

Dit merkteken op het product, de accessoires of het informatiemateriaal duidt erop dat het product en zijn elektronische accessoires (bv. lader, headset, USB-kabel) niet met ander huishoudelijk afval verwijderd mogen worden aan het einde van hun gebruiksduur. Om mogelijke schade aan het milieu of de menselijke gezondheid door ongecontroleerde afvalverwijdering te voorkomen, moet u deze artikelen van andere soorten afval scheiden en op een verantwoorde manier recyclen, zodat het duurzame hergebruik van materiaalbronnen wordt bevorderd.

Huishoudelijke gebruikers moeten contact opnemen met de winkel waar ze dit product hebben gekocht of met de gemeente waar ze wonen om te vernemen waar en hoe ze deze artikelen milieuvriendelijk kunnen laten recyclen.

Zakelijke gebruikers moeten contact opnemen met hun leverancier en de algemene voorwaarden van de koopovereenkomst nalezen. Dit product en zijn elektronische accessoires mogen niet met ander bedrijfsafval voor verwijdering worden gemengd.



Correcte behandeling van een gebruikte accu uit dit product

(Van toepassing op de Europese Unie en andere Europese landen met afzonderlijke inzamelingsystemen voor accu's en batterijen.)

Dit merkteken op de accu, handleiding of verpakking geeft aan dat de accu in dit product aan het einde van de levensduur niet samen met ander huishoudelijk afval mag worden weggegooid. De chemische symbolen Hg, Cd of Pb geven aan dat het kwik-, cadmium- of loodgehalte in de accu hoger is dan de referentieniveaus in de Richtlijn 2006/66/EC. Indien de gebruikte accu niet op de juiste wijze wordt behandeld, kunnen deze stoffen schadelijk zijn voor de gezondheid van mensen of het milieu.

Ter bescherming van de natuurlijke hulpbronnen en ter bevordering van het hergebruik van materialen, verzoeken wij u afgedankte accu's en batterijen te scheiden van andere soorten afval en voor recycling aan te bieden bij het gratis inzamelingsstelsel voor accu's en batterijen in uw omgeving.

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