

WiSeNet

NETZWERK VIDEO RECORDER

Produktspezifikationshandbuch

PRN-4011



Netzwerk Video Recorder

Produktspezifikationshandbuch

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- ❖ Das Design und die technische Daten können ohne vorherige Ankündigung geändert werden.
Die neueste Softwareversion kann von der Hanwha Techwin Electronics-Website heruntergeladen werden. (www.hanwha-security.com)
- ❖ Die Erst Administrator-ID lautet "admin" und das Passwort muss bei der der allerersten Anmeldung eingestellt werden.
Ändern Sie Ihr Passwort alle drei Monate, damit persönliche Angaben geschützt sind und Schäden durch Informationsdiebstahl verhindert werden.
Beachten Sie bitte, dass der Benutzer die Verantwortung für die Sicherheit und alle Probleme, die sich aus einem mangelhaften Umgang mit dem Passwort ergeben, trägt.

WICHTIGE SICHERHEITSHINWEISE

Lesen Sie diese Bedienungsanleitung sorgfältig durch, bevor Sie das Gerät in Betrieb nehmen. Beachten Sie alle nachstehend aufgeführten Sicherheitshinweise. Halten Sie diese Bedienungsanleitung für den künftigen Gebrauch bereit.

- 1) Lesen Sie diese Anweisungen.
- 2) Bewahren Sie diese Anweisungen auf.
- 3) Beachten Sie alle Warnhinweise.
- 4) Befolgen Sie alle Anweisungen.
- 5) Verwenden Sie das Gerät nicht in der Nähe von Wasser.
- 6) Die verunreinigte Stelle auf der Produktoberfläche mit einem weichen, trockenen oder feuchten Tuch reinigen. (Keine Reinigungs- oder kosmetischen Mittel verwenden, die Alkohol, Lösungsmittel oder Ölbestandteile enthalten, da diese das Produkt deformieren oder schädigen können.)
- 7) Blockieren Sie nicht die Lüftungsöffnungen. Stellen Sie das Gerät gemäß den Anweisungen des Herstellers auf.
- 8) Stellen Sie das Gerät nicht in der Nähe von Wärmequellen wie Heizkörpern, Wärmespeichern, Öfen oder anderen Geräten (z. B. Verstärkern) auf, die Wärme produzieren.
- 9) Die Erdung des Steckers dient Ihrer Sicherheit. Setzen Sie diese Sicherheitsfunktion unter keinen Umständen außer Kraft. Falls der vorhandene Stecker nicht in Ihre Steckdose passt, lassen Sie die Steckdose durch einen qualifizierten Elektriker austauschen.
- 10) Netzkabel müssen so verlegt werden, dass niemand auf die Kabel treten kann und sie nicht durch Gegenstände gequetscht werden. Dies gilt insbesondere für die Kabelenden am Gerät bzw. am Stecker.
- 11) Verwenden Sie nur vom Hersteller spezifiziertes Zubehör.
- 12) Verwenden Sie für das Gerät nur Gestelle, Ständer, Stative, Konsolen und Tische, die vom Hersteller empfohlen oder in Verbindung mit dem Gerät verkauft werden. Bewegen Sie das Gestell mit dem Gerät nur mit äußerster Vorsicht, um Verletzungen durch Umkippen zu vermeiden.
- 13) Trennen Sie das Gerät bei Gewitter oder längerer Abwesenheit vom Netz.
- 14) Überlassen Sie Reparatur und Wartung stets Fachpersonal. Eine Wartung ist immer dann erforderlich, wenn das Gerät auf irgendeine Weise beschädigt wurde, beispielsweise bei beschädigtem Netzkabel oder Stecker, bei in das Gerät gelangter Flüssigkeit oder Objekten, wenn das Gerät Regen oder Feuchtigkeit ausgesetzt war, nicht ordnungsgemäß arbeitet oder fallengelassen wurde.



VOR DEM START

Diese Bedienungsanleitung stellt Informationen für den Betrieb bereit, die für die Nutzung des Geräts erforderlich sind. Darüber hinaus enthält es eine Beschreibung aller Bestandteile und Funktionen sowie über das Menü und die Netzwerkeinstellungen.

Sie müssen folgende Hinweise berücksichtigen:

- Hanwha Techwin bewahrt sich das Urheberrecht auf diese Anleitung vor.
- Diese Anleitung darf ohne das vorherige, schriftliche Einverständnis von Hanwha Techwin nicht vervielfältigt werden.
- Wir haften nicht für irgendwelche oder alle Schäden am Gerät, die durch die Verwendung eines nicht standardmäßigen Produktes oder eines Verstoßes gegen die in dieser Anleitung aufgeführten Anweisungen, anfallen.
- Wenn Sie das Gerät wegen der Überprüfung eines Problems öffnen möchten, wenden Sie sich bitte an einen Fachmann in dem Geschäft, in dem Sie das Produkt erworben haben.
- Bevor Sie ein Festplattenlaufwerk oder ein externes Speichergerät hinzufügen (USB-Speicher, U, usw.), stellen Sie sicher, ob es mit diesem Gerät kompatibel ist. Das Verzeichnis der kompatiblen Geräte erhalten Sie bei Ihrem Fachhändler.

Warnung

Batterie

Ein falscher Batterietausch in Ihrem Gerät kann zu einer Explosion führen. Deshalb müssen Sie denselben Batterietyp verwenden, wie der im Gerät verwendete.

Nachfolgend die Spezifikationen der Batterie, die Sie gerade verwenden.

- Normalspannung: 3 V
- Normalleistung: 210 mAh
- Dauernde Regellast: 0,4 mA
- Betriebstemperatur: -20°C ~ +60°C (-4°F ~ +140°F)

Achtung

- Den Netzstecker nur an eine geerdete Steckdose anschließen.
- Der Netzstecker dient zur Trennung des Geräts von der Netzspannung und muss jederzeit frei zugänglich sein.
- Batterien dürfen keinen starken Wärmequellen, wie Sonneneinstrahlung, Feuer oder ähnliches ausgesetzt werden.
- Wenn die Batterie gegen einen falschen Typ ausgetauscht wird, besteht Explosionsgefahr. Verbrauchte Batterien gemäß den Anweisungen entsorgen.
- Wenn die Lebensdauer der Festplatte (HDD) beendet ist, könnten die gespeicherten Videodaten beschädigt und nicht mehr wiederhergestellt werden.
- Prüfen Sie regelmäßig die HDD-Status-LED, um zu sehen, ob diese kontinuierlich blinkt, wodurch angegeben wird, dass die Verbindung des Systems mit der HDD normal ist. Prüfen Sie regelmäßig die HDD-Status-LED, um zu sehen, ob diese kontinuierlich blinkt. Bei einem Defekt der HDD ist eine Aufzeichnung vielleicht nicht möglich. Prüfen Sie in regelmäßigen Abständen den Aufnahmestatus und sichern Sie wichtige Daten regelmäßig.

Systemabschaltung

Das Abschalten der Netzversorgung während das Gerät in Betrieb ist oder das Durchführen unerlaubter Aktionen kann Schäden an der Festplatte oder dem Gerät verursachen.

Drücken Sie für ein sicheres Ausschalten im Pop-up-Fenster zum System-Shutdown <OK> und entfernen Sie dann das Stromkabel.

Sie möchten eventuell ein USV-System für sicheren Betrieb installieren, um Schäden durch unerwarteten Netzausfall zu vermeiden. (Wenn Sie Fragen zu USV haben, wenden Sie sich an Ihren USV-Händler.)



- Wenn die Netzspannung des Geräts nicht regulär ausgeschaltet wurde, kann der Neustart länger dauern, da die Daten von der Festplatte für den fehlerfreien Betrieb wiederhergestellt werden müssen.

Betriebstemperatur

Der garantierte Betriebstemperaturbereich dieses Geräts beträgt 0°C ~ 40°C (32°F ~ 104°F).
Das Gerät kann eventuell nicht korrekt funktionieren, wenn Sie es nach einer langen Aufbewahrungszeit bei einer Temperatur unterhalb der garantierten, in Betrieb nehmen.
Wenn Sie das Gerät nach einer langen Aufbewahrungszeit bei niedrigen Temperaturen benutzen, stellen Sie es zuerst einige Zeit bei Raumtemperatur auf und nehmen Sie es dann in Betrieb.
Insbesondere für die im Gerät eingebaute Festplatte beträgt der garantierte Temperaturbereich 5°C ~ 55°C (41°F ~ 131°F).
Die Festplatte kann ebenfalls bei Temperaturen unterhalb der garantierten nicht funktionieren.

Ethernetanschluss

Dieses Gerät ist für den Gebrauch in Gebäuden bestimmt, weshalb sämtliche Datenübertragungskabel nur im Innenbereich benutzt werden können.

Sicherheitsmaßnahmen

Die Erst Administrator-ID lautet **“admin”** und das Passwort muss bei der allerersten Anmeldung eingestellt werden. Ändern Sie Ihr Passwort alle drei Monate, damit persönliche Angaben geschützt sind und Schäden durch Informationsdiebstahl verhindert werden.
Beachten Sie bitte, dass der Benutzer die Verantwortung für die Sicherheit und alle Probleme, die sich aus einem mangelhaften Umgang mit dem Passwort ergeben, trägt.

Verwenden grafischer Symbole

Grafische Symbole, die auf der Anlage platziert werden, ob erforderlich oder Standard, sind in Übereinstimmung mit IEC 60417 oder ISO 3864-2 oder ISO 7000, wo anwendbar. Wenn keine geeigneten Symbole verfügbar sind, kann der Hersteller spezifische grafische Symbole entwerfen.
Symbole auf der Anlage sind im Benutzerhandbuch erklärt.

Symbol	Veröffentlichung	Beschreibung
	IEC60417, No.5032	Wechselstrom

NVR-Produkte, die jede Funktion unterstützen

Funktion	Produkte
Lüfter	PRN-4011
RAID	PRN-4011
iSCSI	PRN-4011
Joystick	PRN-4011
Erweiterter Monitor	PRN-4011
Redundanz der Stromversorgung	PRN-4011
Failover	PRN-4011

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FUNKTIONEN

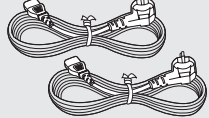
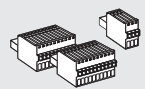
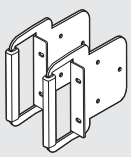
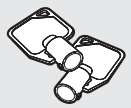
Dieses Gerät zeichnet Video- und Audiodaten von Netzwerkkameras auf eine Festplatte auf und ermöglicht die Wiedergabe von der Festplatte.
Es stellt ebenfalls die Möglichkeit zur Fernüberwachung mittels Übertragung von Videobildern und Ton über das Netzwerk und mithilfe eines Computers bereit.

- Bedienungsfreundliche Benutzeroberfläche
- Unterstützt einen Bereich an 4K-Kamera-Auflösungen (3840X2160, 4096X2160, 4000X3000)
- Gibt mittels HDMI ein 4K-HD-Bild aus
- Decodieren 64 geteilte Bildschirme
- Unterstützt Dual-Monitor-Ausgang (erweitern, duplizieren)
- Unterstützt multiple Passwörter
- Video Aufnahme und Wiedergabe
- Audio Aufnahme und Wiedergabe
- Es werden der ONVIF Profile S-Standard und die RTP / RTSP Protokolle unterstützt
- Anzeige des Betriebszustands der Festplatten mit Hilfe von HDD SMART
- Überschreiben der Festplatte möglich
- Datensicherung über USB 2.0 und externe Festplatte
- Gleichzeitige Wiedergabe von 16 Kanälen
- Verschiedene Suchmodi (Zeit, Ereignis, Intel., Text, Backup, ARB)
- Verschiedene Aufnahmemodi (Normal, Ereignis, Aufnahme nach Zeitplan)
- Alarm Eingang / Ausgang
- Fernüberwachungsfunktion über Windows Network Viewer
- Live Überwachung über Netzwerkkamera
- Installation Assistentenfunktion (Einfaches Setup)
- Unterstützt multiple Remote-Viewer-Profile
- Unterstützt ARB
- Unterstützt Failover
- Funktion verwendet, um die Speicherperiode für jeden Kanal einzustellen

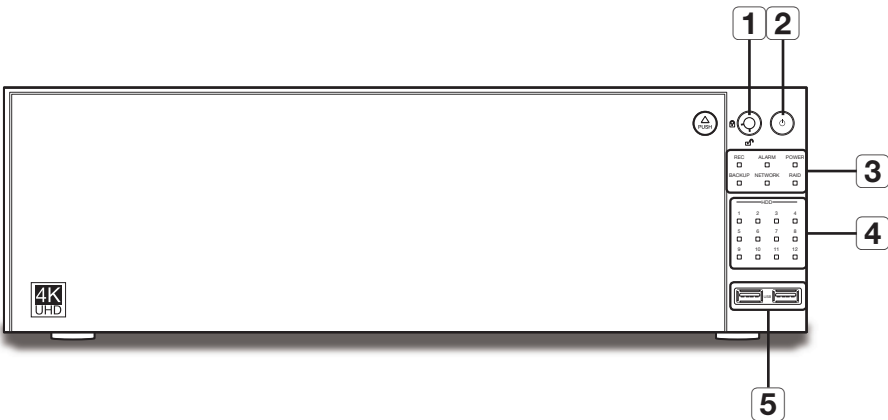
Lieferumfang

Entnehmen Sie das Produkt aus der Verpackung und positionieren Sie es auf einem ebenen Untergrund oder an seinem Installationsort.

Bitte kontrollieren Sie, ob im Lieferumfang zusätzlich zum Hauptgerät die folgenden Teile inkludiert sind.

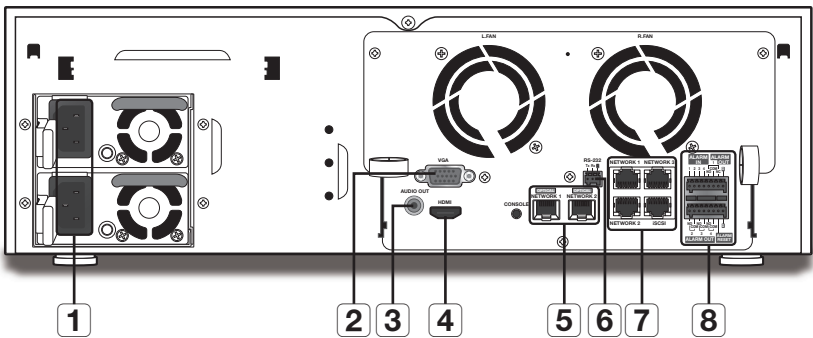
		
NVR	Maus	Netzkabel
		
Kurzanleitung	Anschlussklemme	Schrankschrankmontage
		
Befestigungsschraube für den Schrank	HDD-Fixierschraube	Festplatte Türschloss-Schlüssel

ELEMENTBEZEICHNUNGEN UND FUNKTIONEN (VORDERSEITE)



Elementbezeichnung	Funktionen
1 Festplatte Türschloss -Schlüssel	Dies ist eine Sperrvorrichtung zur Einschränkung des Zugriffs auf den HDD. Verwenden Sie den beim Kauf mitgelieferten Product Key.
2 Stromversorgung	Ein-/Ausschalten des NVRs.
3 LED Indicator	REC : Leuchtet bei der Aufnahme auf. ALARM : Leuchtet auf, wenn ein Ereignis eintritt. POWER : Zeigt den Netzstatus AN/AUS. BACKUP : Wird bei Datensicherung angezeigt. NETWORK : Zeigt sowohl den Status der Netzwerkverbindung als auch der Datenübertragung an. RAID : Zeigt den fortlaufenden RAID-Betrieb.
4 HDD	Zeigt den normalen Festplattenzugriff an. Bei Zugriff auf die Festplatte leuchtet die LED auf.
5 USB	Anschluss für USB-Geräte.

ELEMENTBEZEICHNUNGEN UND FUNKTIONEN (RÜCKSEITE)



Elementbezeichnung	Funktionen
1 Netzschalter	Terminal für den Anschluss mit der Stromversorgung. ■ Selbst wenn Sie nur eine Stromversorgung nutzen, wird durch eine doppelte Stromversorgung ein angemessener Betrieb gewährleistet. Aufgrund der Ausfallsicherheit wird jedoch empfohlen, dass Sie zwei getrennte Stromversorgungen verwenden. ■ Sollte während der Bewegung ein Problem auftreten, wird die SMPS-Akustikanzeige ertönen. (Sie können die Akustikanzeige deaktivieren, indem Sie auf die runde, grüne Schaltfläche drücken.) ■ Selbst wenn die Energieversorgung nicht angeschlossen ist, kann die entsprechende LED der grünen SMPS-Schaltfläche und der SMPS-Lüfter betrieben werden.
2 VGA	VGA Video Ausgang.
3 AUDIO OUT	Audio Ausgang (RCA Buchse).
4 HDMI	HDMI-Anschluss.
5 OPTICAL NETWORK 1/2	Optische Kommunikation I/F Port
6 RS-232C	Kabelterminal für serielle Kommunikation.
7 NETWORK 1	Port für Kameraverbindungen; er empfängt Videos einer Kamera.
7 NETWORK 2	Port für Kameraverbindungen; er empfängt Videos einer Kamera.
7 NETWORK 3	Port über den ein Video an den Webviewer gesendet wird.
iSCSI	Port über den eine Verbindung zum externen iSCSI hergestellt wird.
8 ALARM	- ALARM IN : Alarm Eingänge. (1~4 CH) - ALARM RESET : Alarm zurücksetzen - ALARM OUT : Alarm Ausgänge. (1~4 CH)

✎ [CONSOLE] ist ausschließlich für Servicereparaturen bestimmt.

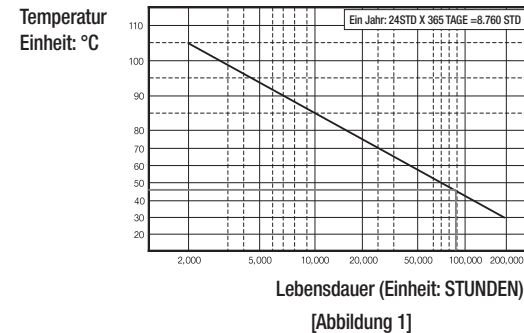
Vor der Verwendung des Produkts möchten wir Sie über Folgendes informieren.

- Verwenden Sie das Produkt nicht im Freien.
- Achten Sie darauf, dass weder Wasser noch Flüssigkeiten in die Anschlussteile des Produkts gelangen.
- Setzen Sie das System keinen starken Stößen oder einer großen Krafteinwirkung aus.
- Vermeiden Sie es, den Netzstecker mit voller Kraft herauszuziehen.
- Nehmen Sie das Gerät nicht selbst auseinander.
- Überschreiten Sie nicht die Eingangs-/Ausgangsleistung.
- Verwenden Sie ausschließlich ein geprüftes Netzkabel.
- Für Geräte mit einem geerdeten Eingang verwenden Sie bitte einen geerdeten Netzstecker.

PRÜFUNG DER INSTALLATIONSUMGEBUNG

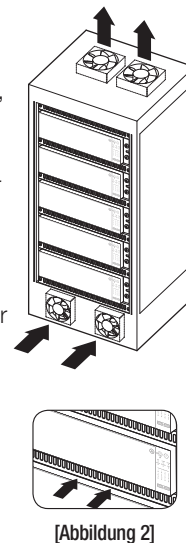
Bei diesem Gerät handelt es sich um ein Sicherheitsgerät der Spitzenklasse, das mit einer Hochleistungsfestplatte und anderen hochwertigen Leiterplatten ausgerüstet ist.

Es ist zu beachten, dass eine hohe Temperatur im Innern des Geräts zu Fehlfunktionen oder zu einer kürzeren Lebensdauer führen kann (siehe Abbildung rechts). Vor der Installation des Geräts die folgenden Anweisungen nicht außer acht lassen.



Bei der Montage in einem Rack sind die folgenden Anweisungen zu befolgen.

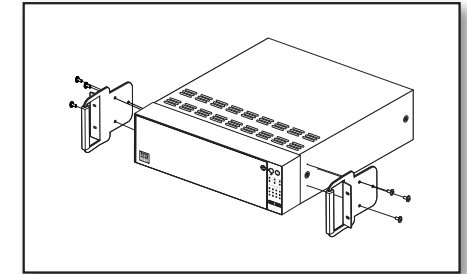
1. Es muss sichergestellt werden, dass das Rack innen nicht verschlossen ist.
2. Sicherstellen, dass die Luft durch den Ein- und Austrittsöffnung, wie auf der Abbildung gezeigt, zirkulieren kann.
3. Wenn sie das Gerät oder andere für die Rack-Montage bestimmten Geräte wie in der Abbildung dargestellt übereinander aufstellen, stellen Sie genug Freiraum für die Lüftung sicher oder installieren Sie einen Lüfter.
4. Für eine natürliche Konvektion, die Einlassöffnung am Boden und die Auslassöffnung oben anordnen.
5. Es wird dringend empfohlen, für eine bessere Luftzirkulation ein Gebläse an der Einlass- und der Auslassöffnung zu installieren. (Am Einlass einen Filter vorsehen, um Staub und Fremdkörper fernzuhalten.)
6. Die Temperatur im Innern des Racks oder der Umgebung, wie in der Abbildung 1 dargestellt, in einem Bereich von 0°C - 40°C (32°F ~ 104°F) halten.



INSTALLATION IM RACK

Die Rack-Halterung wie in der Abbildung dargestellt montieren und anschließend die Schrauben auf beiden Seiten festziehen.

- Die Schrauben fest genug anziehen, damit sie durch die Vibrationen nicht gelöst werden.



ZUSÄTZLICHE FESTPLATTEN

Sicherstellen, dass der Netzstecker gezogen ist, um einen Stromschlag oder die Beschädigung des Geräts zu verhindern.

Ziehen Sie Ihren Händler zu rate, wenn Sie zusätzliche Festplatten installieren wollen, da eine falsche Installation oder Einstellungen das Gerät beschädigen können.

- Anzahl der unterstützten Festplatten : Bis zu 12 Festplatten
- Bevor mit der Installation fortgefahren wird sicherstellen, dass der Netzstecker gezogen ist.



Vorbeugen von Datenverlust (Festplattenpflege)

Darauf achten, dass die Daten auf der Festplatte nicht beschädigt werden.

Bevor Sie eine Festplatte hinzufügen, prüfen Sie bitte die Kompatibilität zu diesem Gerät.

Die Festplatte ist aufgrund ihres empfindlichen Charakters störungsanfällig. Insbesondere reagiert sie empfindlich auf Stöße während des Betriebs.

Es muss sichergestellt werden, dass die Festplatte keinen Stößen ausgesetzt wird.

Samsung übernimmt keine Haftung für Schäden an der Festplatte, die auf unvorsichtige Behandlung oder falsche Nutzung durch den Benutzer zurückzuführen sind.

Fälle die zu einer Beschädigung der Festplatte oder der aufgezeichneten Daten führen können

Um das Risiko eines Datenverlusts aufgrund einer beschädigten Festplatte zu minimieren, müssen die Daten so oft wie möglich gesichert werden.

Wenn das Gerät beim Ein- oder Ausbau Stößen ausgesetzt wird, können die auf der Festplatte gespeicherten Daten beschädigt werden.

Ein plötzlicher Stromausfall oder das Ausschalten des Geräts, während die Festplatte in Betrieb ist, kann zu einer Beschädigung der Festplatte führen.

Die Festplatte oder die gespeicherten Daten können beschädigt werden, wenn das Gerät während des Betriebs bewegt wird oder Stößen ausgesetzt ist.

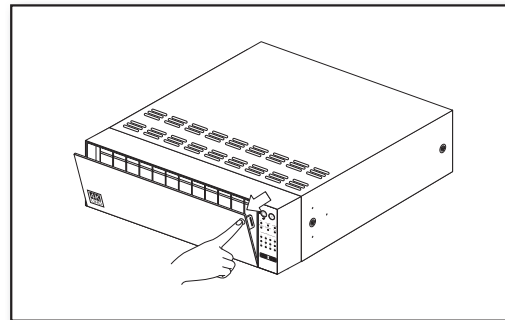
Vorsichtsmaßnahmen für die Installation einer Festplatte

1. Üben Sie auf die Festplatte keinen übermäßigen Druck aus.
2. Darauf achten, dass die Montageschrauben und das Montagezubehör nicht verloren gehen.
 - Wenn die Schrauben oder das Montagezubehör nicht richtig zusammengesetzt werden, kann das Gerät auseinanderfallen oder nicht richtig funktionieren.
3. Bitte unbedingt vor dem Hinzufügen einer Festplatte die Kompatibilität der Festplatte prüfen.
 - Setzen Sie sich mit ihrem nächsten Händler in Verbindung, um eine Liste der kompatiblen Geräte zu erhalten.
4. Wenn Sie eine HDD ersetzen oder hinzufügen wollen, kontaktieren Sie zunächst Ihren Händler oder Kundendienst.
 - Nur der Produktadministrator kann die HDD-Klappe vorn öffnen.

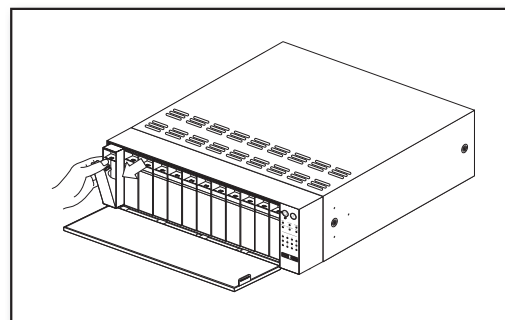
Installieren der Festplatte

- ! ■ Wenn Sie eine neue oder verwendete HDD zu diesem Produkt hinzufügen zusätzlich zu den ursprünglich installierten HDD(s), dann formatieren Sie die neue HDD manuell in der Einstellung vor der Verwendung. Unter „Gerät/Format“ in der WiseNet-NVR-Bedienungsanleitung erfahren Sie, wie die Formatierung funktioniert.
- Für den Austausch oder die Installation einer weiteren HDD, müssen Sie zunächst Ihren Händler oder das Kundenzentrum kontaktieren.

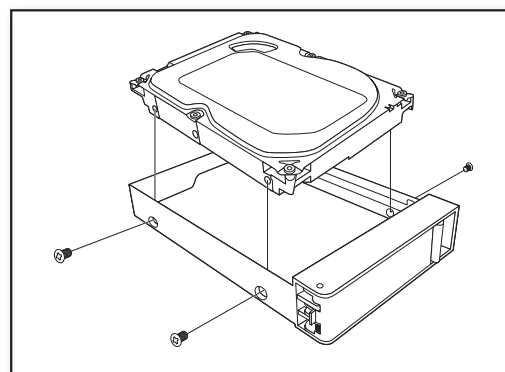
1. Zum Öffnen der Frontklappe drücken Sie vorne auf die Schaltfläche <PUSH>.



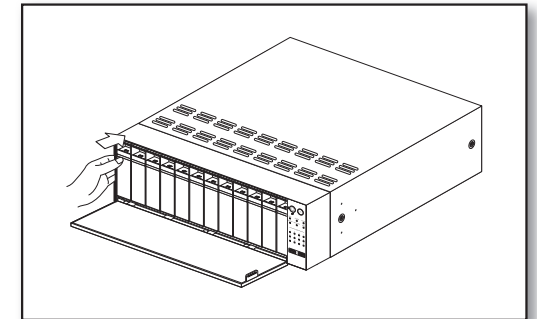
2. Ziehen Sie, nachdem Sie auf die blaue Schaltfläche bei der Festplattenkonsole gedrückt haben, händisch an, damit die Festplattenkonsole vom Hauptgehäuse getrennt wird.



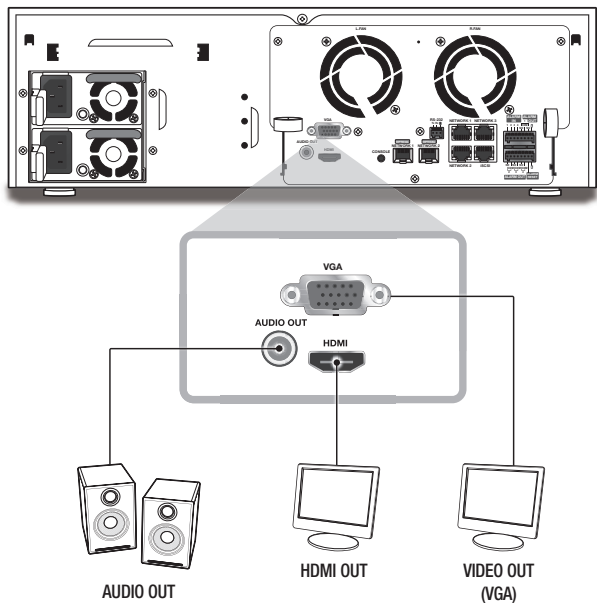
3. Montieren Sie eine Festplatte in die Festplattenkonsole und schrauben Sie sie unter Verwendung der mitgelieferten Schrauben an.



4. Drücken Sie, sobald die Festplatte in der Konsole montiert ist, die Konsole in das Hauptgehäuse und schließen Sie die Vorderklappe.



ANSCHLUSS AN EIN EXTERNES GERÄT

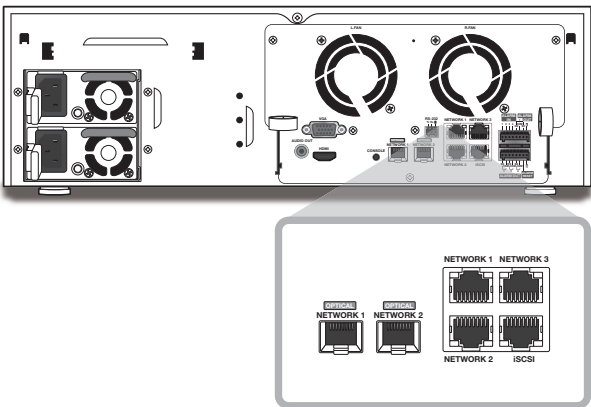


! Eine falsche oder unpassende Stromversorgung kann zu einer Beschädigung des Systems führen. Vor der Betätigung des Netzschalters sicherstellen, dass nur eine geeignete Stromquelle verwendet wird.

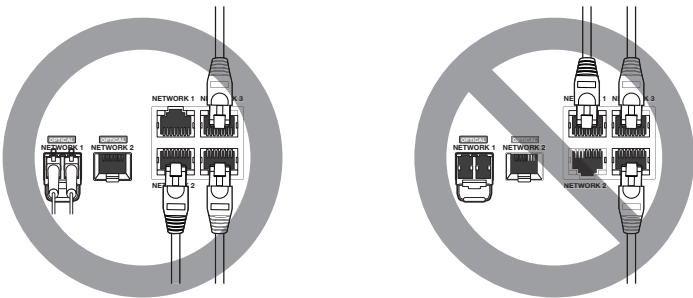
VERBINDEN EINES OPTISCHEN MODULS

Der Nennstrom für ein optisches Modul ist DC 3.3V 0.25A.

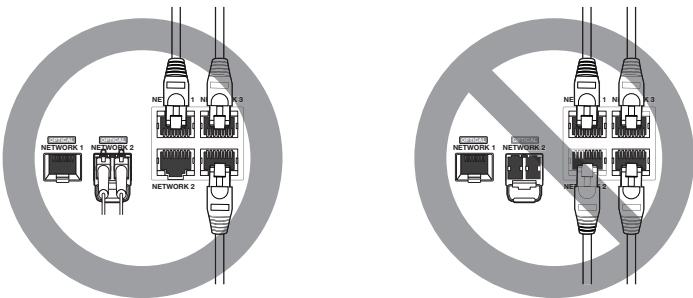
- Wenn ein optisches Modul installiert ist, ist die Benutzung des UTP-Ports begrenzt.
- Installieren Sie ein optisches Modul, wenn eins gebraucht wird.



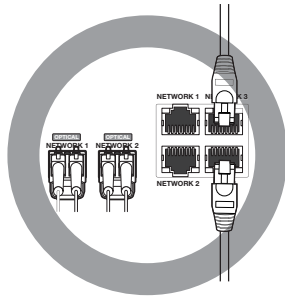
1. [OPTICAL NETWORK1] ist ein Port, der mit [NETWORK1] geteilt wird.



2. [OPTICAL NETWORK2] ist ein Port, der mit [NETWORK2] geteilt wird.



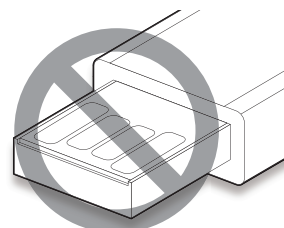
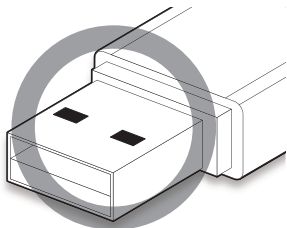
3. [OPTICAL NETWORK1/2] ist ein Port, der mit [NETWORK1/2] geteilt wird.



USB-ANSCHLUSS

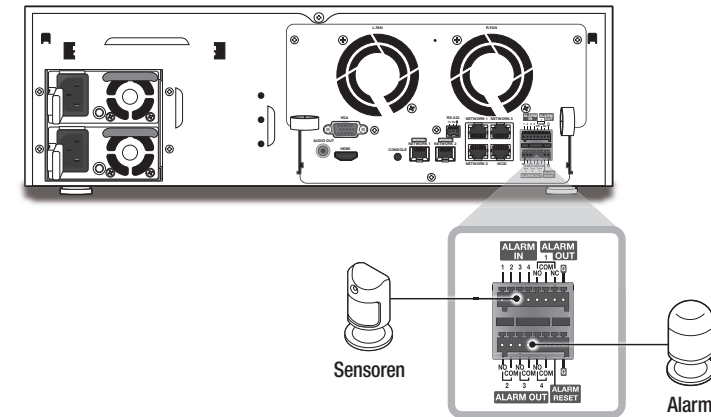
1. Vorne am Produkt befindet sich ein USB-Port.
2. Es kann eine USB-Festplatte, ein USB-Speichergerät oder eine Maus an den USB-Anschluss angeschlossen werden.
3. Wenn Ihre USB-Festplatte an das System angeschlossen ist, kann sie erkannt und eingerichtet werden, indem Sie die Schritte unter „Menü > Gerät > Speichergerät“ in der Wisenet-NVR-Bedienungsanleitung befolgen.
4. Das Gerät unterstützt die Hot Plug Funktion, die das Anschließen und Abtrennen von USB-Geräten bei laufendem System ermöglicht.

- ! Wenn ein USB-Gerät für Datensicherungszwecke verwendet und nicht auf dem NVR formatiert wird, das Gerät über den PC mit dem FAT32 Format formatieren.
- Einige USB-Geräte können aufgrund von Kompatibilitätsproblemen eventuell nicht einwandfrei funktionieren. Prüfen Sie das Gerät vor der Nutzung auf Kompatibilität.
- Nur USB-Speichergeräte, die den Standards entsprechen, (mit Metallgehäuse) sind für die Datenübertragung geeignet.
- Falls die elektrischen Kontakte des USB-Geräts verschlissen sind, kann es zu Fehlern bei der Datenübertragung kommen.

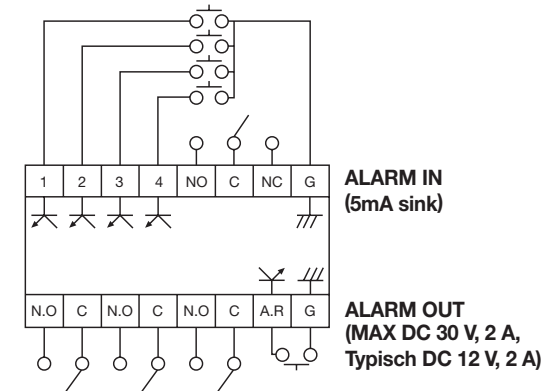


ANSCHLUSS AN DEN ALARM EINGANG/AUSGANG

Der Alarm Eingang/Ausgang auf der Gerätrückseite besteht aus Folgendem.



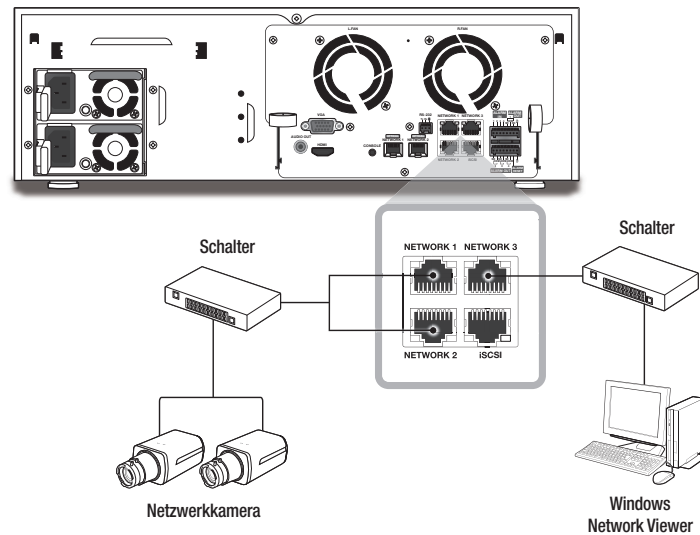
- ALARM IN 1 ~ 4 : Alarmeingang
- ALARM RESET : Wenn ein Alarm Reset Signal empfangen wird, bricht das System den aktuellen Alarm ab und fährt mit der Überwachung fort.
- ALARM OUT 1 ~ 4 : Alarmausgang



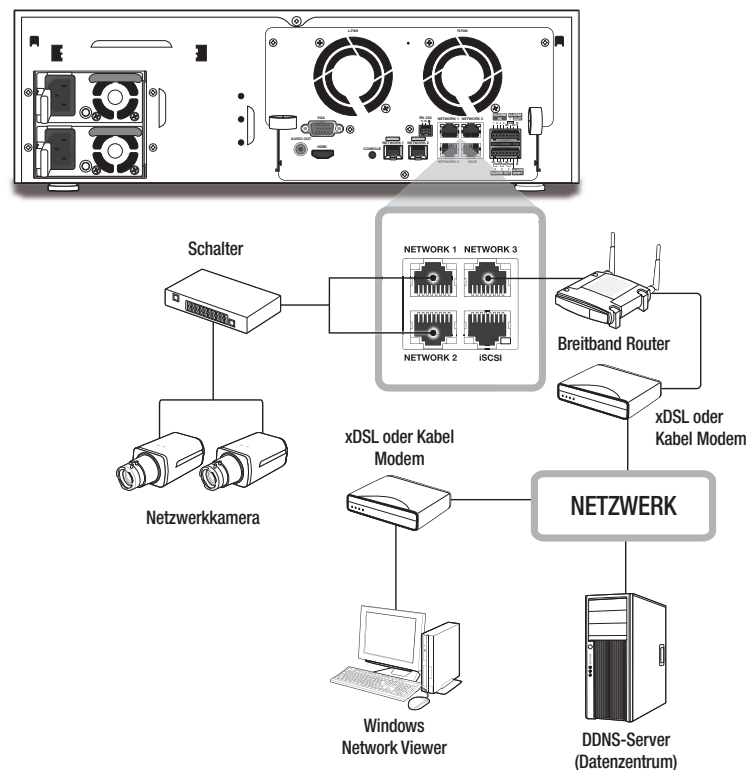
ANSCHLIESSEN AN DAS NETZWERK

- Weitere Informationen Netzwerkverbindungen finden Sie unter „Netzwerkconfiguration“ in der Wisenet-NVR-Bedienungsanleitung.

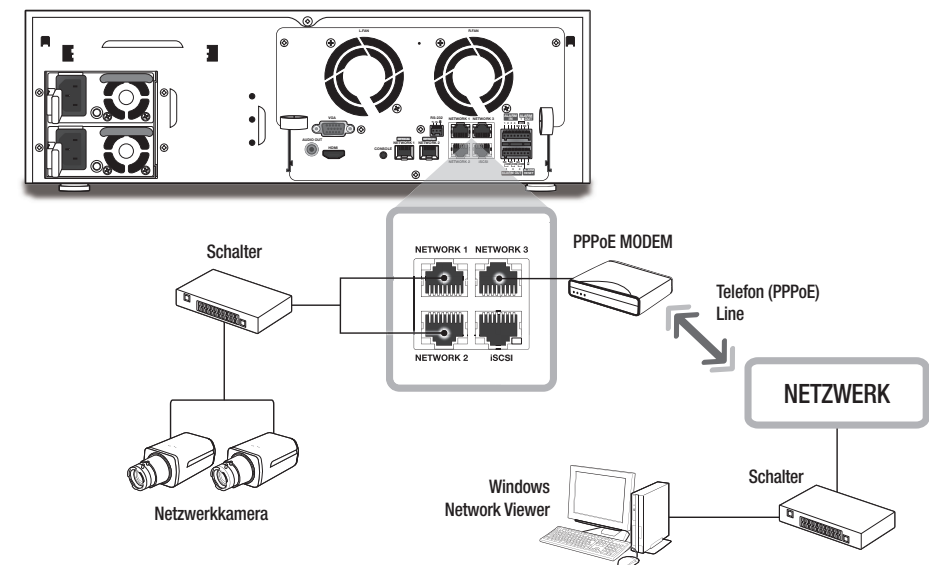
Netzwerkanschluss über Ethernet (10/100/1000BaseT)



Netzwerkanschluss über Router

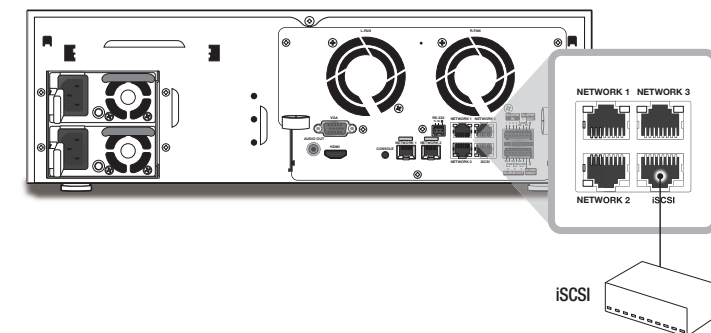


Anschluss an das Internet über PPPoE

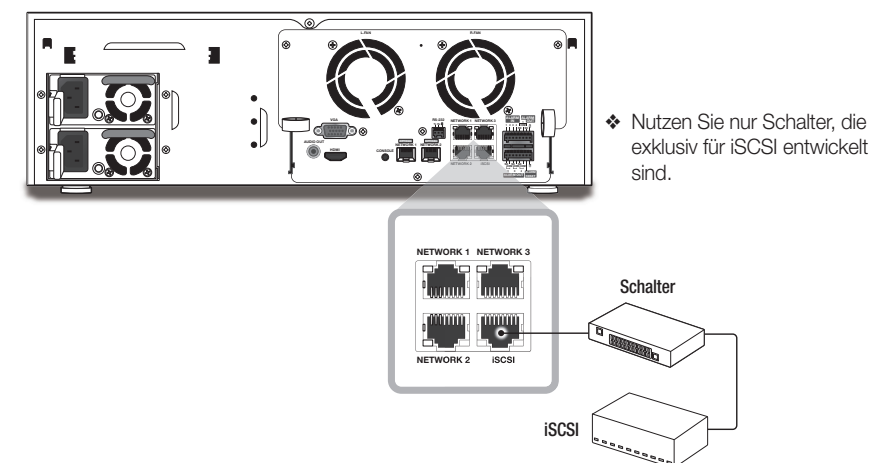


Das iSCSI verbinden

Direkte Verbindung mit dem NVR



Für die Verbindung kann ein Schalter verwendet werden



Element		Details	
Anzeige			
Netzwerkamera	Eingänge	Max. 64	
	Auflösung	CIF ~ 12MP	
	Protokolle	Wisenet, ONVIF	
Live	Lokale Anzeige	1x HDMI / 1x VGA Dual-Monitor	
	Funktionen	[Lokaler Monitor] - 12M (30fps) - 8.3M(120fps) - 1080p(480fps) - 720P(960fps) - D1(1920fps)	
Funktionen			
Betriebssystem	Verankert	Linux	
Aufnahme	Kompression	H.265, H.264, MJPEG, WiseStream(H.265, H.264)	
	Aufnahmebandbreite	Max. 250 Mbps (Kein RAID)	Max. 400 Mbps (RAID-5/6)
	Auflösung	CIF ~ 12MP	
Suche und Wiedergabe	Wiedergabe-Bandbreite	Max. 32 Mbps(16 Ch gleichzeitig)	
	Benutzer	Max. 4 Benutzer (lokal 1, Remote 3)	
	Gleichzeitige Wiedergabe	Max. 16 Kanäle (Lokaler Monitor, CMS)	
	Auflösung	CIF ~ 12MP	
	Fischaugen-Entzerrung	WEB / CMS	
	Wiedergabesteuerung	Schneller/Langasamer Vorlauf/Rücklauf, Einzelbildwiedergabe vorwärts/ Einzelbildwiedergabe rückwärts	
Speicherkapazität	Integriert	0TB ~ 8TB	
	Interne Festplatte	12 (Max.96TB, Non-RAID Modus)	
	Extern	iSCSI-Speicher (Max. 192 TB)	
	RAID	RAID-5/6(Array-Größe : 6-HDD x 2 Array)	
Backup	Datei Backup	BU/Exe(GUI), JPG/AVI(Netzwerk)	
	Funktion	Mehrfachkanal (bis zu 16 K.)-Abspielen, Datum/Zeit/Titel-Anzeige	

Element		Details
Sensor	I/O	4/4 (NO/NC wählbar)
Audio	Eingang	64 Kanäle (Netzwerk)
	Kompression	G.711, G.726, AAC(16/48KHz)
	Audiokommunikation	2-Wege
Netzwerk		
Schnittstelle		RJ-45(Gigabit Ethernet) x4, SFP x2
Protokoll		TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)
DDNS		Hanwha DDNS
Übertragungsbandbreite		Max. 400 Mbps
Max. Anzahl an externen Nutzern		Suche (3) / Live Unicast(10) / Multicast(20)
IP Version		IPv4/v6
Sicherheit		IP-Adresse-Filterung, Protokoll Benutzerzugriff, 802.1x, Verschlüsselung, 2-Augen-Prinzip
Sprache		Englisch, Französisch, Deutsch, Italienisch, Spanisch, Russisch Türkisch, Polnisch, Holländisch, Schwedisch, Tschechisch, Portugiesisch, Dänisch, Rumänisch, Serbisch, Kroatisch, Ungarisch, Griechisch, Norwegisch, Finnisch, Koreanisch, Chinesisch, Japanisch, Thailändisch
OS		Window 7, 8, 10, Mac OS X(10.8 oder höher)
Webbrowser		MS IE, Google Chrome, Mac Safari
Viewer Software	Typ	SSM, Webviewer, SmartViewer, Wisenet Mobile Viewer
	Unterstützt CMS	Support SDK/CGI (SUNAPI) für Integration auf Dritt-VMS
Funktion		
PTZ	Steuerung	Über GUI, WebViewer, SPC-2000
	Voreinstellung	300 Voreinstellungen
Smartphone	Support-Modell	Android, iOS
	Unterstützte Protokolle	RTP, RTSP, HTTP, CGI (SUNAPI)
	Steuerung	Live(16ch) : Mehrfach-Profil-Support Playback(1ch)
	Max. Anzahl an Fernnutzern	Suche (3) / Live Unicast(10)

Element		Details
Redundanz	Failover	N+1
	ARB	Ja
Systemsteuerung		Maus, Web, SPC-2000 (Controller)
Anzeigeleuchte/Schnittstelle		
Vorderseite	Anzeigeleuchte	LED(Status Anzeigeleuchte) - Festplatten Aktion(12), RAID Status(1), Alarm(1), Leistung(1), Aufnahme(1), Backup(1), Netzwerk(1)
Anschlusstecker	VGA	Sub: 1 (Support-Live-Bildschirm bis zu 32 div. Modus)
	HDMI	Haupt: 1 (Sowohl Unterstützt Live / PB / Einrichtung) - Unterstützt bis zu 4 K (3840 x 2160, Einzelmonitormodus 64 div)
	Audio	Ausgang (je 1, RCA, Leitung)
	Ethernet	RJ-45 4EA (LAN/WAN, 1Gbps), 1000M SFP Je 2
	Alarm	1) Eingang(4EA, Anschlussblock) 2) Alarm Reset(je 1) 3) Ausgang (je 4, Anschlussblock) - Relais Ausgänge1(NO/NC/COM) - Relais Ausgänge2~4(NO/COM)
	USB	Je 2 (Vorderseite 2)
	Speicher	iSCSI
	Seriell	RS-232C
	Zurücksetzen	Switch (1EA)
	Netzkabel	Je 2 AC Anschluss

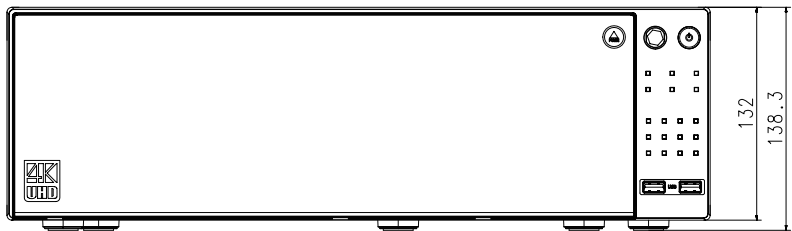
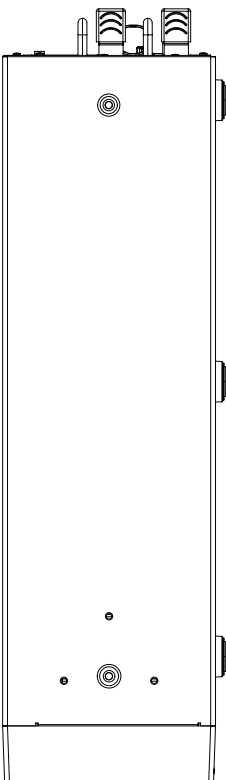
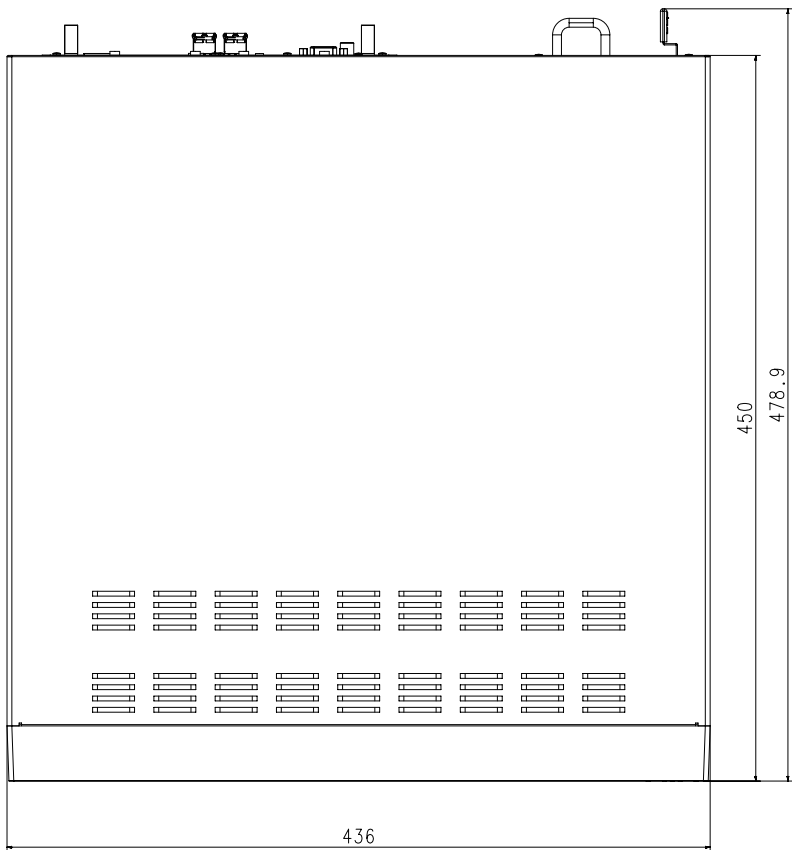
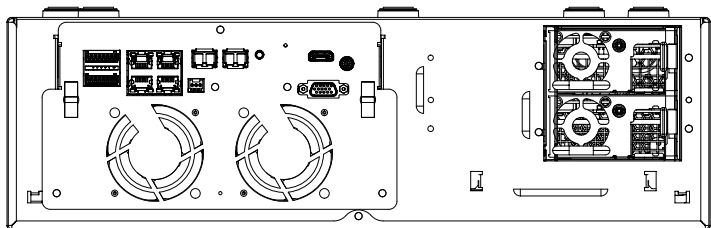
Element		Details
System		
Protokoll	Protokollliste	Max. 20,000 (Systemprotokoll, je Ereignisprotokoll)
Betriebsbedingungen		
Betriebstemperatur / Feuchtigkeit		+0° bis +40° (+32°F to +104°F)
Luftfeuchtigkeit		20% ~ 85% RH
Elektrisch		
Netzschalter		100 ~ 240 VAC ±10%; 50/60 Hz, 3~1.5A (Dual-SMPS)
Leistungsaufnahme		Max. 250 W (853 BTU mit HDD 12ea)
Mechanisch		
Farbe/Material		Schwarz / Metall
Abmessungen (B x H x T)		B 436.0 x H 132.0 x T 450.0mm (17.17" x 5.2" x 17.72") (3U)
Gewicht		Ungefähr 11Kg (24.3 lb, HDD nicht inbegriffen)

Aufnahmeleistungs-Spezifikationen für den Festplattenzustand.

Einheit : (Mbps)

Speichermethode	Rcv	Speich.			Remote- Übertragung	Wiedergabe
		Intern		iSCSI		
		Normal	Neuerstellung			
Intern (RAID5)	400	400	320	300	300	32
Intern (RAID6)	400	400	320	300	300	32
Einzel-HDD	400	250	-	250	300	32
iSCSI	300	-	-	300	300	32

※ Internet/iSCSI-Speicherleistung basiert auf Einzelverwendungsszenarium



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- **GLUT for Win32 License:** GLUT for Win32
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- **Brian Gladman Alternate License:** AES with the VIA ACE
- **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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Written by: Philip Hazel (ph10@cam.ac.uk)

University of Cambridge Computing Service,
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The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are acknowledged as authors of this work.

1. [1]Mark Andrews <marka@syd.dms.csiro.au> Leitch atomic clock controller

2. [2]Bernd Altmeier <altmeier@atsoft.de> hopf Elektronik serial line and PCI-bus devices

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 recvbuf and iosignal code into separate modules.

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

8. [9]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support

9. [10]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)

10. [11]Steve Clift <clift@ml.csiro.au> OMEGA clock driver

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

20. [21]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [22]<H.Lambermont@chello.nl> ntpswEEP

21. [23]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)

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, 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

[53]gif

[54]David L. Mills <mills@udel.edu>

References

1. mailto:marka@syd.dms.csiro.au

2. mailto:altmeier@atsoft.de

3. mailto:vbais@mailman1.intel.co

4. mailto:kirkwood@striderfm.intel.com

5. mailto:michael.barone@lmco.com

6. mailto:karl@owl.HQ.ileaf.com

7. mailto:greg.brackley@bigfoot.com

8. mailto:Marc.Brett@westgeo.com

9. mailto:Piete.Brooks@cl.cam.ac.uk

10. mailto:reg@dwf.com

11. mailto:clift@ml.csiro.au

12. mailto:casey@csc.co.za

13. mailto:Sven_Dietrich@trimble.COM

14. mailto:dundas@salt.jpl.nasa.gov

15. mailto:duwe@immd4.informatik.uni-erlangen.de

16. mailto:dennis@mrbill.canet.ca

17. mailto:glenn@herald.usask.ca

18. mailto:iglesias@uci.edu

19. mailto:jagubox.gsfc.nasa.gov

20. mailto:jbj@chatham.usdesign.com

21. mailto:Hans.Lambermont@nl.origin-it.comv

22. mailto:H.Lambermont@chello.nl

23. mailto:phk@FreeBSD.ORG

24. http://www4.informatik.uni-erlangen.de/kardel

25. mailto:Frank.Kardel@informatik.uni-erlangen.de

26. mailto:jones@hermes.chpc.utexas.edu

27. mailto:dkatz@cisco.com

28. mailto:leres@ee.lbl.gov

29. mailto:lindholm@ucs.ubc.ca

30. mailto:louie@ni.umd.edu

31. mailto:thorinn@diku.dk

32. mailto:mills@udel.edu

33. mailto:moeller@gwdgv1.dnet.gwdg.de

34. mailto:mogul@pa.dec.com

35. mailto:tmoore@fivel.daytonoh.ncr.com

36. mailto:kamal@whence.com

37. mailto:derek@toybox.demon.co.uk

38. mailto:d@hd.org

39. mailto:Rainer.Pruy@informatik.uni-erlangen.de

40. mailto:dirce@zk3.dec.com

41. mailto:wsanchez@apple.com

42. mailto:mrapple@quack.kfu.com

43. mailto:jack@innovativeinternet.com

44. mailto:schnitz@unipress.com

45. mailto:shields@tembel.org

46. mailto:pebbles.jpl.nasa.gov

47. mailto:harlan@pfcs.com

48. mailto:ken@sdd.hp.com

49. mailto:ajit@ee.udel.edu

50. mailto:tsuruoka@nc.fukuoka-u.ac.jp

51. mailto:vixie@vix.com

52. mailto:Ulrich.Windl@rz.uni-regensburg.de

53. file://localhost/backroom/ntp-stable/html/index.htm

54. mailto:mills@udel.edu

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Internet Systems Consortium, Inc.
950 Charter Street
Redwood City, CA 94063
<info@isc.org>
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Head Office

6, Pangyo-ro 319 beon-gil, Bundang-gu, Seongnam-si,
Gyeonggi-do, 463-400 Rep. of KOREA
Tel : +82.70.7147.8753 Fax : +82.31.8018.3740
www.hanwha-security.com

Hanwha Techwin America

500 Frank W. Burr Blvd. Suite 43 Teaneck, NJ 07666
Toll Free +1.877.213.1222 Direct +1.201.325.6920
Fax +1.201.373.0124
www.hanwhasecurity.com

Hanwha Techwin Europe

Heriot House, Heriot Road, Chertsey, Surrey, KT16 9DT, United Kingdom
Tel +44.1932.57.8100 Fax +44.1932.57.8101
www.hanwha-security.eu
