

WISeNeT

VIDEOREGISTRATORE DI RETE

Manuale delle specifiche del prodotto

PRN-4011



Videoregistratore di rete

Manuale delle specifiche del prodotto

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- ❖ Il progetto e le specifiche sono soggetti a modifiche senza preavviso.
È possibile scaricare l'ultima versione dal sito Web Hanwha Techwin. (www.hanwha-security.com)
- ❖ L'ID predefinito dell'amministratore è "admin", mentre la password deve essere impostata al primo accesso.
Assicurarsi di cambiare la password ogni tre mesi per proteggere i dati personali da furti.
Tenere presente che l'utente è responsabile della sicurezza personale e di qualunque altro problema causato da manomissioni della password personale.

IMPORTANTI ISTRUZIONI PER LA SICUREZZA

Prima di utilizzare l'unità, leggere attentamente le seguenti istruzioni per l'uso.

Seguire tutte le istruzioni per la sicurezza elencate di seguito.

Conservare le istruzioni per l'uso per riferimento futuro.

- 1) Leggere queste istruzioni.
- 2) Conservare le istruzioni.
- 3) Osservare tutte le avvertenze.
- 4) Seguire tutte le istruzioni.
- 5) Non usare questo apparecchio vicino all'acqua.
- 6) Pulire l'area contaminata sulla superficie del prodotto con un panno soffice e asciutto o con uno straccio.
(Non usare un detergente o prodotti cosmetici contenenti alcol, solventi o tensioattivi o costituenti di olii in quanto potrebbero deformare o danneggiare il prodotto).
- 7) Non ostruire le aperture per la ventilazione ed eseguire l'installazione secondo le istruzioni del costruttore.
- 8) Non installare vicino a fonti di calore quali caloriferi, stufe, cucine o altri apparecchi (compresi amplificatori) che generino calore.
- 9) Non annullare la sicurezza off erta dalla spina polarizzata o dotata di messa a terra. Una spina polarizzata ha un polo di dimensioni maggiori dell'altro. Una spina dotata di messa a terra ha due poli normali e un terzo polo di messa a terra. Il terzo polo di dimensioni maggiori ha una funzione di sicurezza. Qualora la spina usata non si inserisca correttamente nella presa, consultare un elettricista per sostituire la presa obsoleta.
- 10) Non calpestare il cavo di alimentazione ed evitare che venga schiacciato specie in prossimità delle spine, delle prese e del punto in cui esce dall'apparecchio.
- 11) Utilizzare solo supporti/accessori indicati dal costruttore.
- 12) Utilizzare solo carrelli, supporti, treppiedi, staffe o tavoli consigliati dal costruttore o venduti assieme all'apparecchio. Qualora venga utilizzato un carrello, prestare attenzione nel muoverlo per evitare di danneggiare l'apparecchio in caso di ribaltamento.
- 13) Durante forti temporali o in caso di non utilizzo per lunghi periodi di tempo, scollegare l'apparecchio dall'alimentazione elettrica.
- 14) Per qualsiasi tipo di assistenza rivolgersi a personale qualificato. Il ricorso al servizio di assistenza è necessario qualora si verifichi qualsiasi tipo di danno, quale deterioramento del cavo o della spina di alimentazione, versamento di liquido o cadute di oggetti all'interno dell'apparecchio, esposizione dell'apparecchio a pioggia o umidità, funzionamento anomalo o danneggiamento da caduta accidentale.



PRIMA DI INIZIARE

Questo manuale fornisce le informazioni operative necessarie per utilizzare il prodotto e contiene una descrizione di ogni componente corredata dalla sua funzione oltre alle impostazioni di rete e dei menu.

Occorre tenere presenti le seguenti avvertenze:

- Hanwha Techwin possiede i diritti d'autore di questo manuale.
- Il presente manuale non può essere copiato senza il preventivo consenso scritto di Hanwha Techwin.
- Non siamo responsabili per i danni causati al prodotto dall'uso di prodotti non standard o per il mancato rispetto delle istruzioni fornite nel presente manuale.
- Se si desidera aprire la cassa del sistema per controllare in caso di problemi, rivolgersi ad un esperto del negozio in cui si è acquistato il prodotto.
- Prima di aggiungere un'unità hard disk o un dispositivo di memorizzazione esterno (memoria USB, HDD USB, ecc.), controllare che siano compatibili con il prodotto. Per l'elenco della compatibilità, contattare il rivenditore.

Avvertenza

Batteria

Utilizzare una batteria scorretta può causare esplosioni. Per questo motivo è necessario utilizzare un tipo di batteria uguale a quella già in uso nel prodotto.

Le specifiche della batteria attualmente in uso sono le seguenti.

- Voltaggio normale: 3V
- Capacità normale: 210mAh
- Carica continua standard: 0,4mA
- Temperatura di Lavoro da: -20°C ~ +60°C (-4°F ~ +140°F)

Attenzione

- Collegare il cavo di alimentazione a una presa di terra.
- Poiché la presa di rete viene utilizzata per scollegare l'apparecchio, deve essere facilmente accessibile in qualsiasi momento.
- Le batterie non devono essere esposte a eccessivo calore, come luce del sole, fuoco o similari.
- Rischio di esplosione se la batteria viene sostituita con una di tipo non adeguato. Smaltire le batterie usate secondo le istruzioni.
- Quando il HDD raggiunge la fine della sua vita utile, i video e dati salvati potrebbero venire danneggiati e non sarà possibile ripristinarli.
- Il LED di stato del HDD nella parte frontale del sistema, lampeggia continuamente per indicare che la connessione del sistema al HDD è normale. Controllare regolarmente il LED di stato del HDD per assicurarsi che stia lampeggiando. Potrebbe non essere possibile eseguire la registrazione se si verifica un malfunzionamento del HDD. Controllare regolarmente lo stato di registrazione ed eseguire regolarmente il backup di dati impostanti.

Stop sistema

Spegnere quando il prodotto è in funzione o altre azioni non permesse possono causare danni all'hard disk o al prodotto. Può causare anche un guasto dell'hard disk quando si utilizza il prodotto.

Premere <OK> sulla finestra a comparsa per lo spegnimento del sistema e rimuovere il cavo di alimentazione per assicurare uno spegnimento sicuro.

Si può installare un sistema UPS per un funzionamento sicuro, evitando i danni causati da un'interruzione inaspettata della corrente. (Per ulteriori informazioni sull'UPS, rivolgersi ad un rivenditore di UPS).



- Se viene spento in modo anomalo, il riavvio può richiedere più tempo a causa del recupero dati dall'hard disk per garantire un funzionamento corretto.

Temperatura di Lavoro

Le temperature di lavoro garantite di questo prodotto sono da 0°C ~ 40°C (32°F ~ 104°F). Il prodotto può non funzionare correttamente dopo un lungo periodo di stoccaggio ad una temperatura al di sotto di quelle garantite. Quando si utilizza dopo un lungo periodo di stoccaggio a basse temperature, sistemare il prodotto a temperatura ambiente per un momento e poi metterlo in funzione. La temperatura garantita dell'HDD integrato è compresa tra 5°C ~ 55°C (41°F ~ 131°F). Anche l'hard disk può non funzionare a temperature al di sotto di quelle garantite.

Porta Ethernet

Questo dispositivo è concepito per essere utilizzato in locali chiusi e tutti i cablaggi di comunicazione sono limitati all'interno dell'edificio.

Precauzioni di sicurezza

L'ID predefinito dell'amministratore è "admin", mentre la password deve essere impostata al primo accesso. Assicurarsi di cambiare la password ogni tre mesi per proteggere i dati personali da furti. Tenere presente che l'utente è responsabile della sicurezza personale e di qualunque altro problema causato da manomissioni della password personale.

Uso di simboli grafici

Simboli grafici posizionati sull'apparecchiatura, richiesto dallo standard oppure no, seguiranno gli standard IEC 60417 o ISO 3864-2 o ISO 7000, se disponibile. Nell'assenza di simboli appropriati, il produttore potrebbe creare dei simboli grafici specifici. I simboli posizionati sull'apparecchiatura verranno spiegati nel manuale utente.

Simbolo	Pubblicazione	Descrizione
	IEC60417, No.5032	Corrente alternata

Prodotti NVR che supportano ciascuna funzionalità

Funzione	Prodotti
Ventola	PRN-4011
RAID	PRN-4011
iSCSI	PRN-4011
Joystick	PRN-4011
Monitor esteso	PRN-4011
Ridondanza dell'alimentatore	PRN-4011
Failover	PRN-4011

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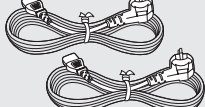
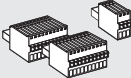
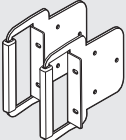
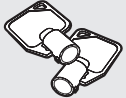
CARATTERISTICHE

Il prodotto registra su un hard disk i video e l'audio provenienti dalle telecamere di rete e consente la riproduzione dall'hard disk.
Utilizzando un computer remoto, offre anche l'ambiente di monitoraggio remoto per video e audio sulla rete.

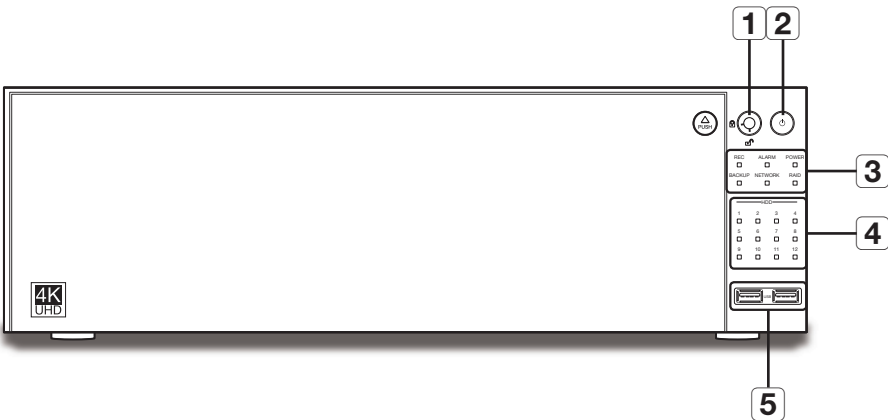
- Comoda interfaccia utente
- Supporta diverse risoluzioni per telecamere 4k. (3840X2160, 4096X2160, 4000X3000)
- Esporta un'immagine 4K ad alta definizione tramite l'uscita HDMI.
- Decodifica 64 schermi suddivisi
- Supporta l'uscita per doppio schermo (espandi, duplica)
- Supporta password molteplici
- Registrazione e riproduzione video
- Registrazione e riproduzione audio
- Supporta lo standard ONVIF Profile S e i protocolli RTP / RTSP
- Visualizzazione dello stato dell'HDD mediante HDD SMART
- Sovrascrittura dell'HDD abilitata
- Backup con protocolli USB 2.0 e HDD esterno
- Riproduzione simultanea di 16 canali
- Diversi modi di ricerca (Ora, evento, intelligente, testo, backup, ARB)
- Diversi modi di registrazione (normale, evento, registrazione programmata)
- Ingresso/uscita allarme
- Funzione di monitoraggio remoto dal visualizzatore di rete di Windows
- Monitoraggio live della telecamera di rete
- Funzione per l'installazione guidata (Configurazione semplice)
- Supporta profili molteplici per il visualizzatore da remoto
- ARB supportato
- Supporta Failover
- Funzione usata per impostare il periodo di salvataggio per ogni canale.

Contenuto della confezione

Disimballare il prodotto e collocarlo su una superficie piana o nel luogo in cui deve essere installato.
Controllare che, oltre all'unità principale, siano presenti tutti gli elementi indicati di seguito.

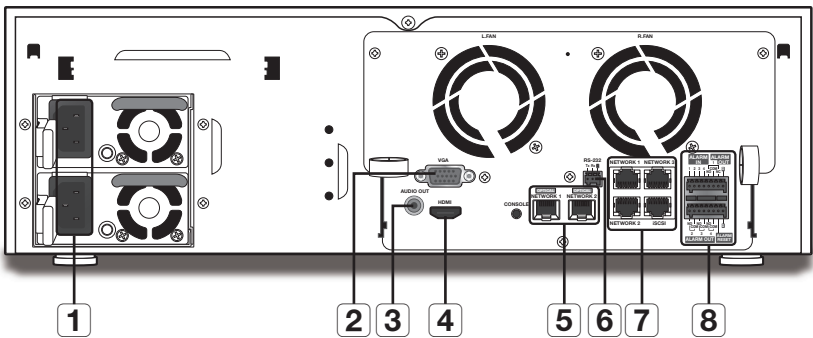
		
NVR	Mouse	Cavo di Alimentazione
		
Guida rapida	Morsettiera	Supporti della scaffalatura
		
Vite di montaggio della scaffalatura	Vite di montaggio per il HDD	Sportello di blocco del HDD

NOMI DELLE PARTI E FUNZIONI (PARTE ANTERIORE)



Nomi delle parti		Funzioni
1	Sportello di blocco del HDD	Questo è un dispositivo di blocco usato per limitare l'accesso al HDD. Utilizzare la chiave del prodotto fornita al momento dell'acquisto.
2	Alimentazione	Utilizzato per accendere/spegnere l'NVR.
3	Indicatori LED	REC : Si accende quando la registrazione è in corso.
		ALARM : Si accende quando si verifica un evento.
		POWER : Mostra lo stato di accensione ON/OFF.
		BACKUP : Indica quando il backup è in corso.
		NETWORK : Mostra lo stato della connessione di rete e della trasmissione dei dati.
4	HDD	Mostra il normale accesso all'HDD.
		Il LED si attiva quando si accede all'hard disk.
5	USB	Permette di collegare i dispositivi USB.

NOMI DELLE PARTI E FUNZIONI (PARTE POSTERIORE)



Nomi delle parti		Funzioni
1	Alimentazione	Terminale al quale collegare il cavo dell'alimentazione. - Tramite il sistema di alimentazione elettrica duplex, anche se si collega soltanto un cavo dell'alimentazione, il sistema funzionerà correttamente. Tuttavia, per ragioni di stabilità, è raccomandabile usare due alimentatori diversi. - Se il problema si verifica durante il movimento, si sentirà il messaggio acustico del SMPS. (è possibile disattivare il segnale acustico premendo il tasto verde e rotondo) - Anche se il cavo dell'alimentazione non è collegato, è possibile utilizzare il tasto LED verde e la ventola del SMPS.
2	VGA	Porta di uscita del segnale video VGA.
3	AUDIO OUT	Porta di uscita del segnale audio (jack RCA).
4	HDMI	Porta connettore HDMI.
5	OPTICAL NETWORK 1/2	Porta I/F per comunicazioni ottiche.
6	RS-232C	Morsetto del cavo per la comunicazione seriale.
7	NETWORK 1	Porta per le connessioni della telecamera; riceve il video dalla telecamera.
	NETWORK 2	Porta per le connessioni della telecamera; riceve il video dalla telecamera.
	NETWORK 3	Porta usata per inviare il video al visualizzatore del web.
	iSCSI	Porta per creare una connessione con il iSCSI esterno.
8	ALARM	- ALARM IN : Porte di ingresso allarme. (1~4 CH) - ALARM RESET : Porta reset allarme. - ALARM OUT : Porte di uscita allarme. (1~4 CH)

 [CONSOLE] è previsto solo per scopi di riparazione di assistenza.

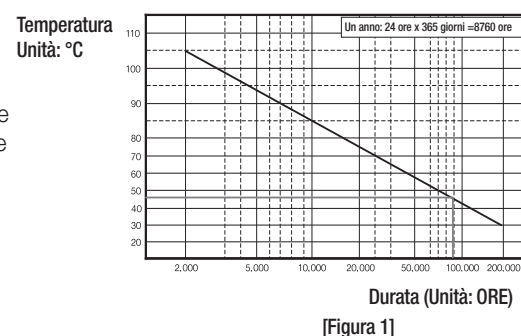
Prima di utilizzare il prodotto prestare attenzione a quanto segue.

- Non utilizzare il prodotto all'aperto.
- Non versare acqua o liquidi sui collegamenti del prodotto.
- Non sottoporre il sistema a urti o imprimere forza eccessiva.
- Non scollegare la spina bruscamente.
- Non smontare il prodotto da soli.
- Non superare l'intervallo nominale di input o di output.
- Utilizzare esclusivamente un cavo di alimentazione certificato.
- Per il prodotto con messa a terra in ingresso, utilizzare una presa di alimentazione dotata di messa a terra.

CONTROLLO DELL'AMBIENTE DI INSTALLAZIONE

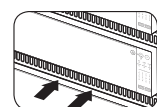
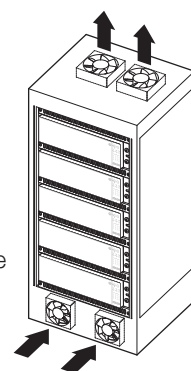
Questo prodotto è un dispositivo di sicurezza di alto livello, equipaggiato con un HDD ad alta capacità e altri circuiti stampati.

Una temperatura elevata all'interno del prodotto può provocare un guasto del sistema o ridurre la vita utile del prodotto (vedere la figura a destra). Prima di installare il prodotto, leggere attentamente le istruzioni riportate di seguito.



Quando si monta il prodotto in un rack, osservare le seguenti indicazioni.

1. Assicurarsi che l'interno del rack non sia sigillato.
2. Assicurarsi che l'aria circoli attraverso l'ingresso/uscita (come mostrato nella figura).
3. Se si impilano i prodotti o altri dispositivi su rack come mostrato nella figura 2, garantire uno spazio per la ventilazione o installare un ventilatore.
4. Affinché l'aria circoli in modo naturale, posizionare l'ingresso alla base del rack e l'uscita in cima.
5. Per far circolare l'aria, si consiglia di installare un ventilatore all'ingresso e all'uscita. (Posizionare un filtro all'ingresso per evitare che entrino polvere o altre sostanze esterne).
6. Mantenere una temperatura interna del rack e nelle aree circostanti compresa tra 0°C e 40°C (32°F e 104°F) come indicato nella figura 1.

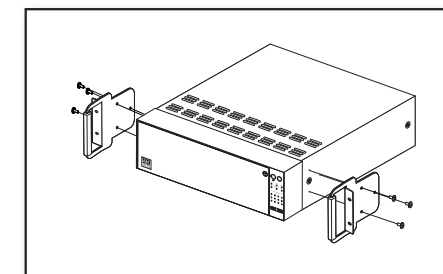


[Figura 2]

INSTALLAZIONE DEL RACK

Montare le staffe come indicato nella figura, quindi avvitare le viti su entrambi i lati (3 viti per ogni lato).

- Fissare le viti in modo che non si allentino in caso di vibrazioni.



AGGIUNTA DI UN HDD

Assicurarsi di scollegare il cavo di alimentazione dalla presa di rete per impedire scosse elettriche, lesioni o danni al prodotto.

Per ulteriori informazioni sull'installazione dell'HDD consultare il fornitore; un'installazione o la configurazione di impostazioni non corrette possono danneggiare il prodotto.

- Numero di HDD supportati: Fino a 12 HDD supportati
- Assicurarsi di scollegare il cavo di alimentazione dalla presa di rete prima di procedere con l'installazione.



Precauzioni contro la perdita di dati (manutenzione HDD)

Assicurarsi che i dati all'interno dell'HDD non vengano danneggiati.

Prima di aggiungere un HDD, controllare la compatibilità con questo prodotto.

A causa della sua struttura sensibile, l'HDD, quando è in funzione, è vulnerabile soprattutto agli urti che possono pregiudicare il funzionamento.

Assicurarsi che l'HDD non venga sottoposto ad urti.

Hanwha Techwin non è responsabile per eventuali danni all'HDD causati dalla disattenzione o da un uso scorretto da parte dell'utente.

Fattori che possono danneggiare l'HDD o i dati registrati

Per ridurre al minimo il rischio di perdita dei dati in seguito al danneggiamento dell'HDD, effettuare il backup dei dati il più spesso possibile.

Se durante l'installazione o lo smontaggio l'hard disk viene esposto a urti, i dati contenuti in esso possono essere danneggiati.

Un'improvvisa interruzione di corrente o lo spegnimento del prodotto mentre l'HDD è in funzione possono provocare danni all'unità hard disk.

L'HDD o i file memorizzati al suo interno potrebbero danneggiarsi se il corpo principale viene spostato o urtato quando l'HDD è in funzione.

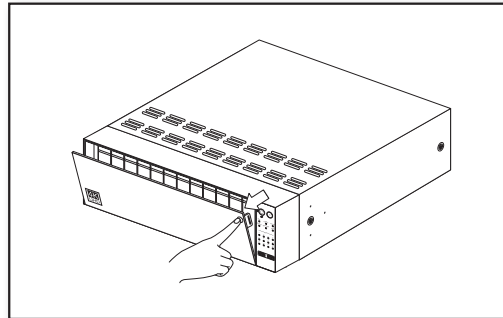
Precauzioni per l'installazione dell'HDD

1. Non usare una forza eccessiva con il HDD.
2. Fare attenzione a non perdere viti o accessori per l'assemblaggio.
 - Se le viti o gli accessori non vengono riassemblati correttamente, il prodotto potrebbe guastarsi o non funzionare.
3. Prima di aggiungere un HDD, verificarne la compatibilità.
 - Contattare il rivenditore più vicino per un elenco dei dispositivi compatibili.
4. Se si desidera sostituire o aggiungere un HDD, contattare prima il proprio rivenditore o l'assistenza clienti.
 - Soltanto l'amministratore del dispositivo può aprire lo scompartimento del HDD sulla parte frontale del dispositivo.

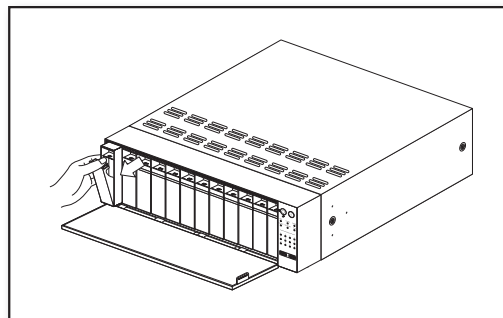
Installazione dell'HDD

- !** ■ Se si sta aggiungendo un HDD nuovo o usato a questo prodotto in aggiunta al(agli) HDD originariamente installati, formattare manualmente il nuovo HDD durante la configurazione prima dell'uso.
Per sapere come eseguire la formattazione, consultare "Dispositivo/Formato" nel Manuale utente dell'NVR Wisenet.
- Per la sostituzione o installazione di un secondo HDD, è necessario contattare il proprio rivenditore o l'assistenza clienti.

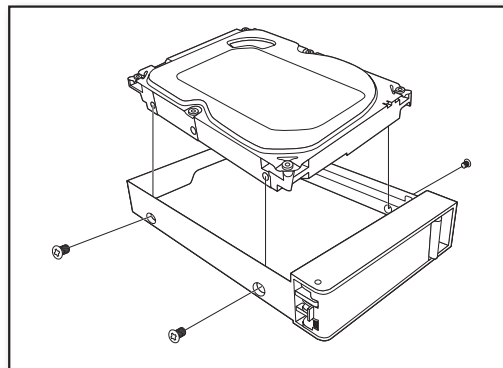
1. Premere il pulsante <PUSH> nella parte frontale per aprire il coperchio frontale.



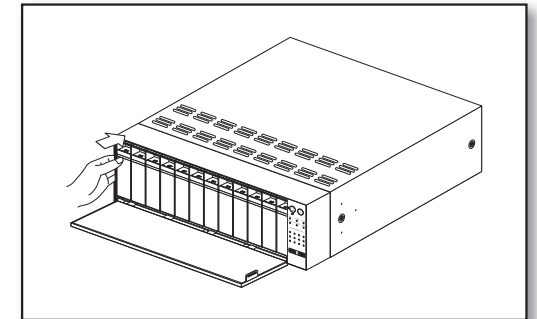
2. Dopo aver premuto il pulsante blu nel supporto del HDD, tirarlo manualmente per separare il supporto del HDD dall'elemento principale.



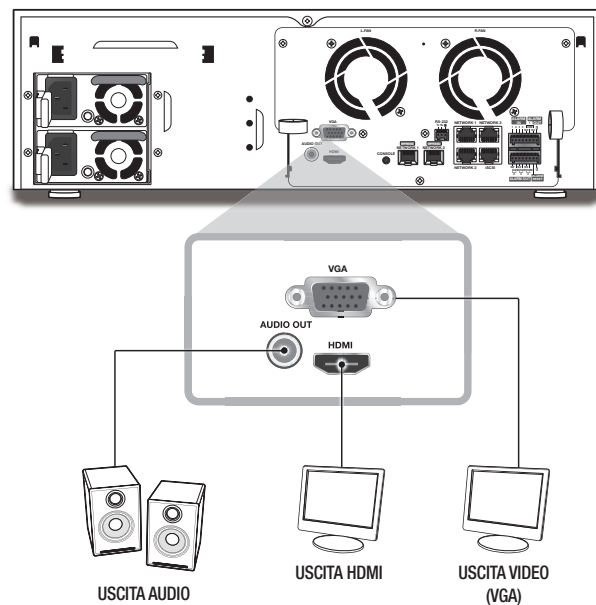
3. Posizionare un HDD nel supporto HDD e avvitarlo usando le viti fornite.



4. Una volta che il HDD è stato installato nel supporto, spingere il supporto nella confezione principale e chiudere il coperchio frontale.



COLLEGAMENTO A UN DISPOSITIVO ESTERNO

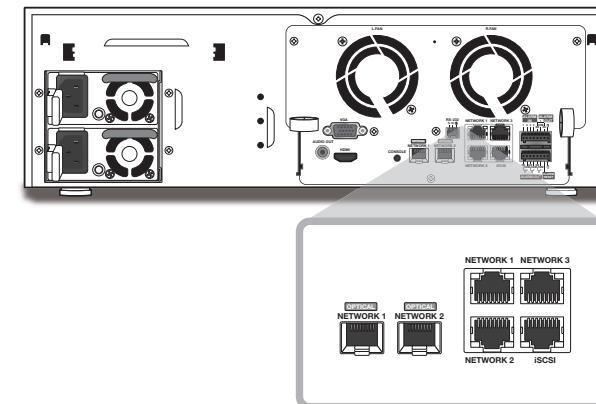


- ! ■ Una sorgente di alimentazione impropria o che non rispetta le specifiche può causare danni al sistema. Prima di premere il tasto di accensione, assicurarsi di utilizzare solo sorgenti che rispettano le specifiche.

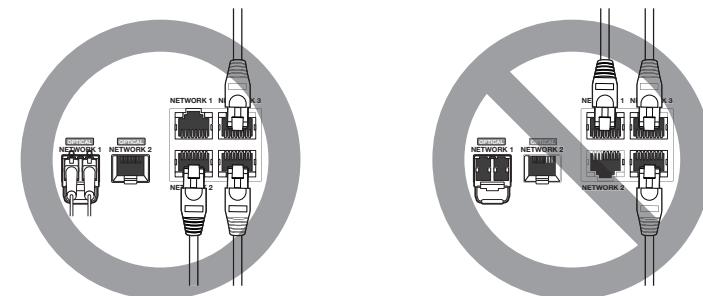
COLLEGAMENTO DI UN MODULO OTTICO

La potenza nominale di un modulo ottico è pari a DC 3.3V 0.25A.

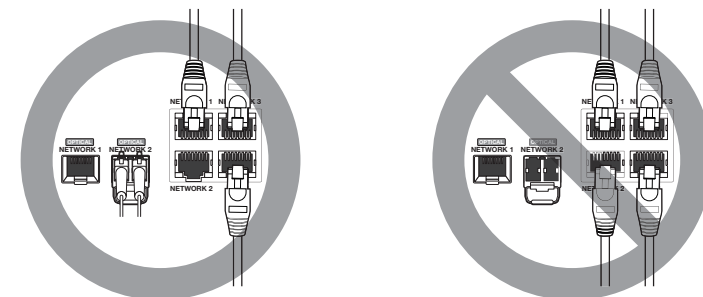
- Quanto viene installato un modulo ottico, l'utilizzo della porta UTP viene limitato.
- Installare un modulo ottico soltanto se necessario.



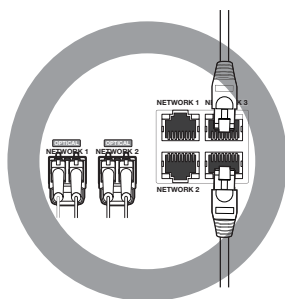
1. [OPTICAL NETWORK1] è una porta condivisa con [NETWORK1].



2. [OPTICAL NETWORK2] è una porta condivisa con [NETWORK2].



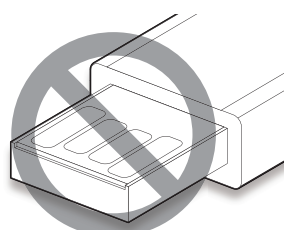
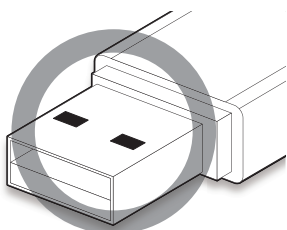
3. [OPTICAL NETWORK1/2] è una porta condivisa con [NETWORK1/2].



COLLEGAMENTO USB

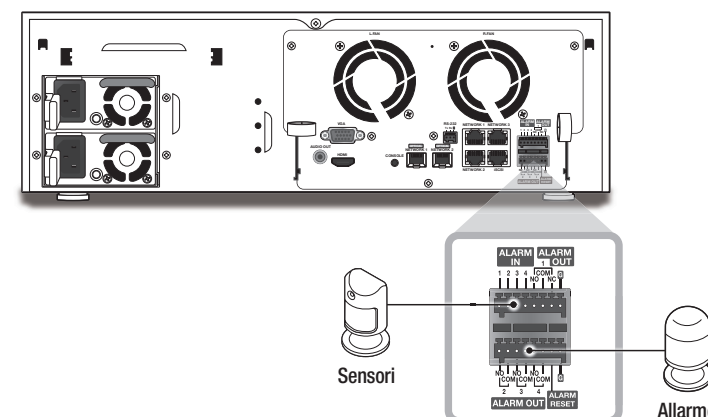
1. Sulla parte frontale del prodotto c'è una porta USB.
2. È possibile collegare un HDD USB, una memoria USB o un mouse alla porta USB.
3. Se l'HDD USB è collegato al sistema, può essere rilevato e impostato seguendo i seguenti passaggi in "menu > Dispos. > Disp.memorizz." del Manuale utente dell'NVR Wisenet.
4. Il prodotto supporta la funzione di collegamento a caldo che consente di collegare/scollegare i dispositivi USB durante il funzionamento del sistema.

- ! Se si utilizza il dispositivo USB per il backup, formattarlo con FAT32 sul PC se non è stato formattato sull'NVR.
- Alcuni dispositivi USB possono non funzionare correttamente per ragioni di compatibilità: controllare il dispositivo prima dell'utilizzo.
- Solo i dispositivi di memorizzazione USB che rispettano gli standard (dotati di copertura in metallo) sono garantiti per il trasferimento dei dati.
- Se i contatti elettrici del dispositivo USB sono usurati, il trasferimento dei dati tra dispositivi potrebbe non funzionare correttamente.

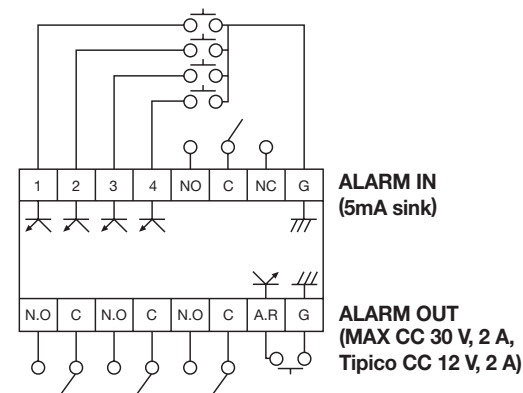


COLLEGAMENTO ALLA PORTA DI INGRESSO/USCITA AUDIO

La porta di ingresso/uscita audio sulla parte posteriore è costituita dai seguenti elementi.



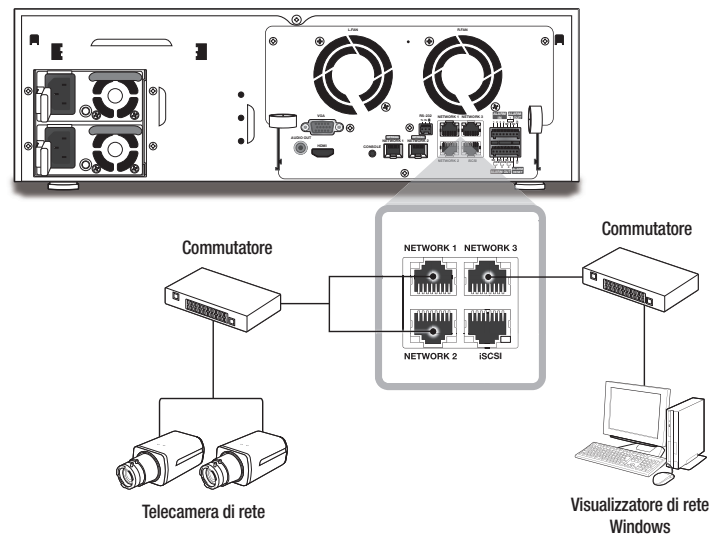
- ALARM IN 1 ~ 4 : porta di ingresso allarme
- ALARM RESET : Quando riceve un segnale di reset allarme, il sistema cancella il segnale di ingresso allarme corrente e riprende la rilevazione.
- ALARM OUT 1 ~ 4 : porta di uscita allarme



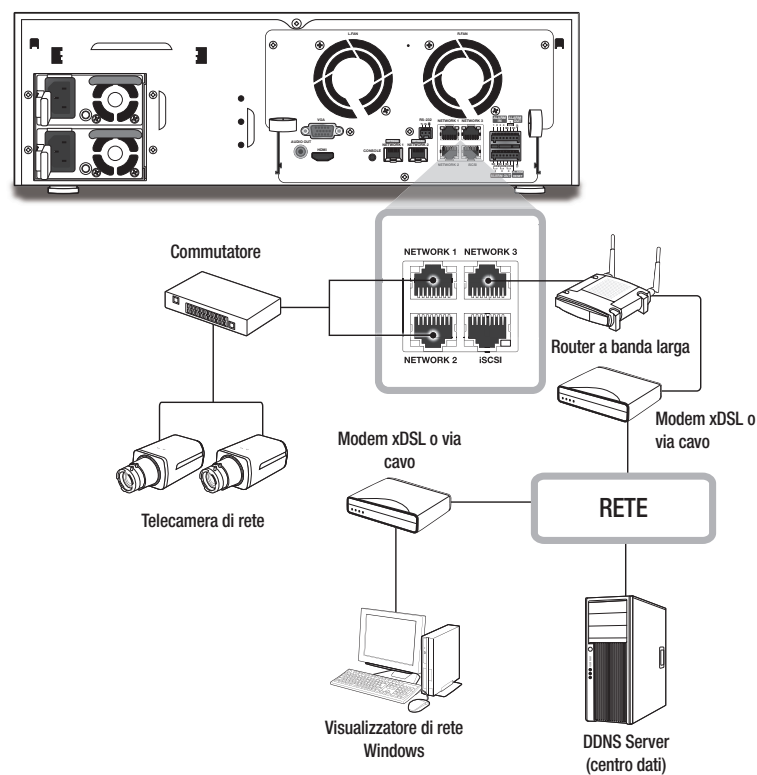
COLLEGAMENTO ALLA RETE

■ Per ulteriori informazioni sulla connessione di rete, consultare "Configurazione della rete" nel Manuale utente dell'NVR Wisenet.

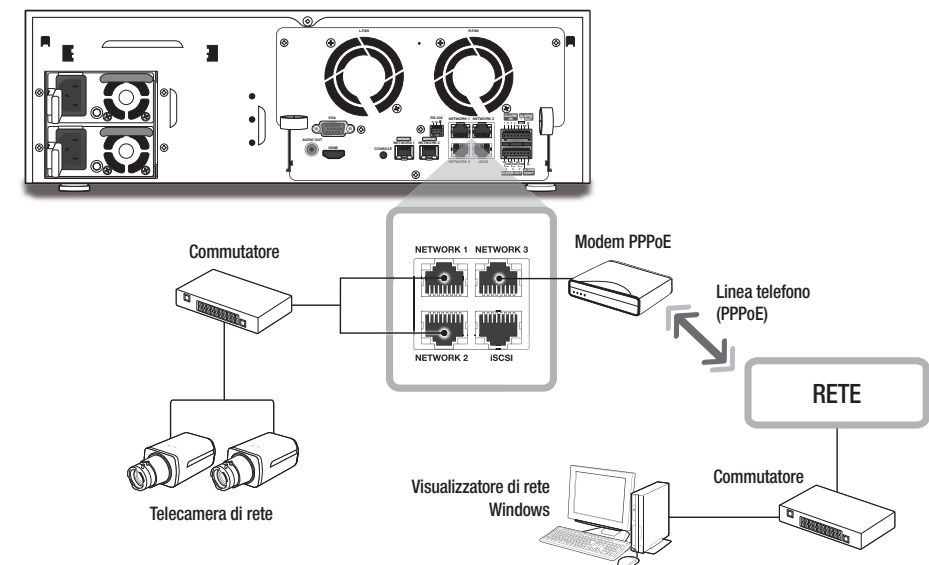
Collegamento alla rete tramite Ethernet (10/100/1000BaseT)



Collegamento alla rete tramite router

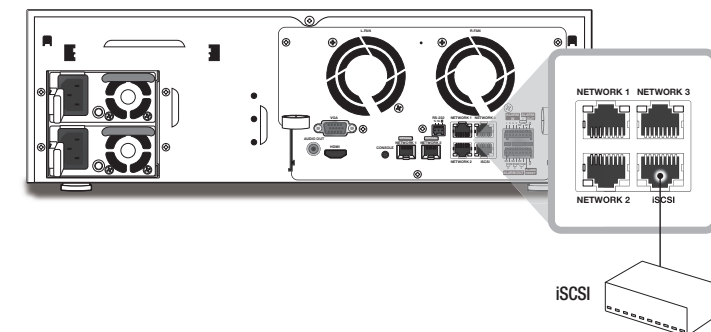


Collegamento a Internet tramite PPPoE

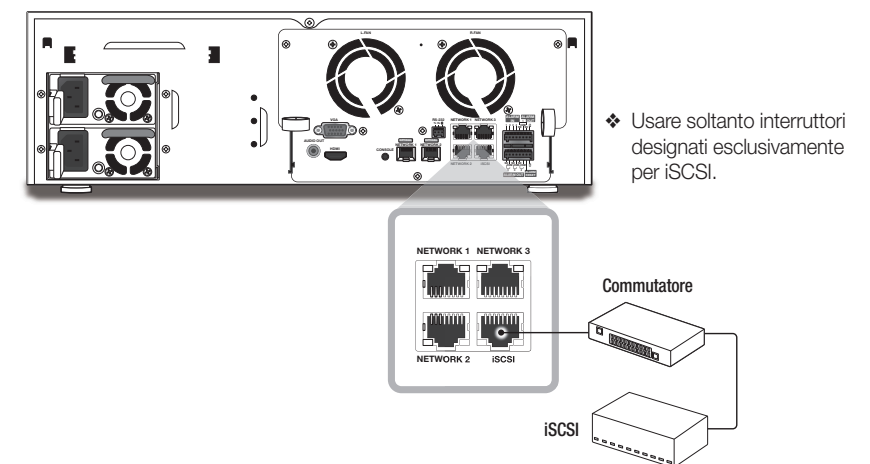


Connessione al iSCSI

Connessione diretta al NVR



È possibile usare un interruttore per eseguire la connessione



❖ Usare soltanto interruttori designati esclusivamente per iSCSI.

Elemento		Dettagli	
Display			
Telecamera di rete	Ingressi	Max. 64 canali	
	Risoluzione	CIF ~ 12MP	
	Protocolli	Wisenet, ONVIF	
Live	Display locale	1x HDMI / 1x VGA Dual Monitor	
	Prestazioni	[Monitor locale] - 12M (30fps) - 8.3M(120fps) - 1080p(480fps) - 720P(960fps) - D1(1920fps)	
Prestazioni			
Sistema operativo	Incorporato	Linux	
Registrazione	Compressione	H.265, H.264, MJPEG, WiseStream(H.265, H.264)	
	Larghezza di banda di registrazione	Max. 250 Mbps (Non RAID)	Max. 400 Mbps (RAID-5/6)
	Risoluzione	CIF ~ 12MP	
Ricerca e riproduci	Riproduzione larghezza di banda	Max. 32Mbps (16 canali simultaneamente)	
	Utente	Max. 4 utenti (Locale 1, Remoto 3)	
	Riproduzione simultanea	Max. 16 canali(Monitor locale, CMS)	
	Risoluzione	CIF ~ 12MP	
	Fisheye Dewarping	WEB / CMS	
	Comandi di riproduzione	Veloce/Lento Avanti/Indietro, avanzamento per scena verso l'alto/verso il basso	
Memorizzazione	Integrato	0TB ~ 8TB	
	HDD interno	12 (Max. 96TB, Modalità Non-RAID)	
	Esterna	memoria iSCSI (Max. 192TB)	
	RAID	RAID-5/6(Dimensioni Array : 6-HDD x 2 Array)	
Backup	Backup File	BU/Exe(GUI), JPG/AVI(Rete)	
	Funzione	Canale molteplice (fino a 16CH) Riproduci, Data-ora/visualizza titolo	

Elemento		Dettagli	
Sensore	I/O	4/4 (NO/NC selezionabile)	
Audio	Ingresso	64 canali (rete)	
	Compressione	G.711, G.726, AAC(16/48KHz)	
	Comunicazione audio	Bi-direzionale	
Rete			
Interfaccia		RJ-45(Gigabit Ethernet) x4, SFP x2	
Protocollo		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	
Larghezza di banda di trasmissione		Max. 400 Mbps	
N. max utenti remoti		Ricerca (3) / Live unicast (10) / Multicast (20)	
Versione IP		IPv4/v6	
Sicurezza		Filtraggio indirizzo IP, registro accesso utente, 802.1x, crittografia, 2Men-Rule	
Lingue		Inglese, francese, tedesco, italiano, spagnolo, russo, turco, polacco, olandese, svedese, lingua ceca, portoghese, danese, romeno, serbo, croato, ungherese, greco, norvegese, finnico, coreano, cinese, giapponese, thailandese	
SO		Window 7, 8, 10, Mac OS X(10.8 o superiore)	
Browser del web		MS IE, Google Chrome, Mac Safari	
Software di visualizzazione	Tipo	SSM, Webviewer, SmartViewer, Wisenet Mobile Viewer	
	Supporto CMS	Supporta SDK/CGI(SUNAPI) per l'integrazione con VMS di terze parti	
Funzioni			
PTZ	Controllo	Tramite GUI, Webviewer, SPC-2000	
	Predefinito	300 Impostazioni predefinite	
Smartphone	Modello supportato	Android, iOS	
	Supporto protocollo	RTP, RTSP, HTTP, CGI (SUNAPI)	
	Controllo	Live(16ch) : Supporto profilo molteplice Playback(1ch)	
	N. max di utenti remoti	Ricerca (3) / Live unicast (10)	

Elemento		Dettagli
Ridondanza	Failover	N+1
	ARB	SI
Controllo del sistema		Mouse, Web, SPC-2000(Controller)
Indicatore/interfaccia		
Fronte	Indicatore	LED(Indicatore di stato) - Azione HDD(12), Stato del RAID(1), Allarme(1), Alimentazione(1), Registrazione(1), Backup(1), Rete(1)
Connettori	VGA	Sub: 1EA (Supporta schermata live fino a 32 schermi sudd.)
	HDMI	Principale: 1EA (Supporto live / PB / Configurazione) - Supporta fino a 4K (3840 x 2160, Modalità monitor singolo 64 div)
	Audio	Uscita (1EA, RCA, Linea)
	Ethernet	RJ-45 4EA (LAN/WAN, 1Gbps), 1000M SFP 2ea
	Allarme	1) Entrata(4EA, morsettiera) 2) Alarm Reset(1EA) 3) Uscita (4EA, morsettiera) - Relay Out1(NO/NC/COM) - Relay Out2~4(NO/COM)
	USB	2EA(Parte Anteriore 2)
	Storage	iSCSI
	N. seriale	RS-232C
	Resetta	Interruttore(1EA)
	Cavo di alimentazione	2EA AC Inlet

Elemento		Dettagli
Sistema		
Registro	Elenco registro	Max. 20,000 (Registro di sistema, registro evento ogni)
Ambiente		
Temperatura funzionamento/ umidità		Da +0 °C a +40 °C (+32°F to +104°F)
Umidità		20% ~ 85% RH
Parte Elettrica		
Alimentazione		Da 100 a 240 VAC ±10%; 50/60 Hz, 3~1.5A (Dual SMPS)
Consumo elettrico		Max. 250W (853 BTU con HDD 12ea)
Meccanico		
Colore/materiale		Nero / metallo
Dimensioni (LxAxP)		L436.0 x A132.0 x P450.0mm (17.17" x 5.2" x 17.72") (3U)
Peso		Circa 11Kg (24.3 lb, HDD non incluso)

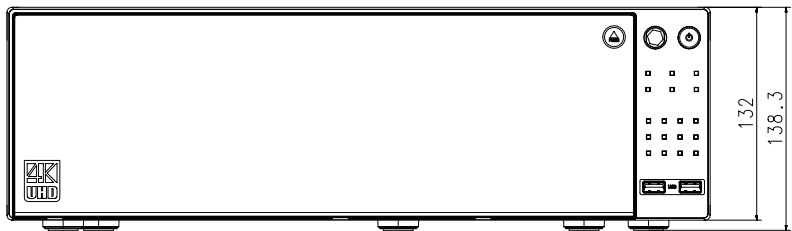
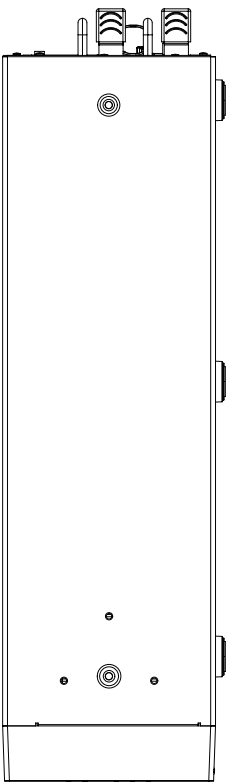
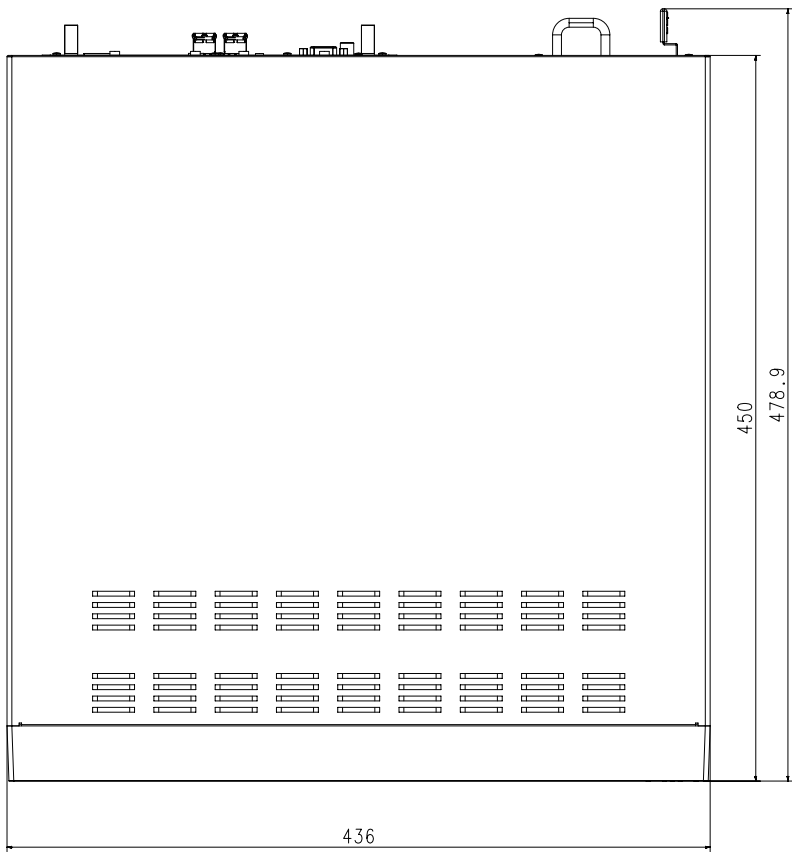
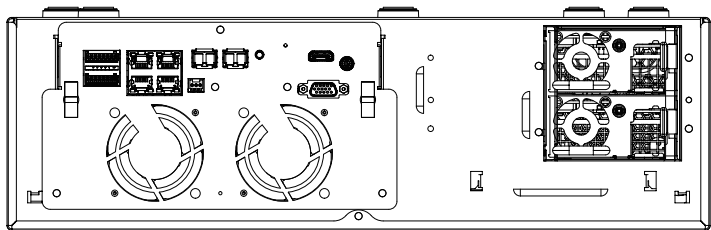
Specifiche delle prestazioni di registrazione per la condizione del HDD

Unità : (Mbps)

Metodo di stoccaggio	Rcv	Salva			Trasmissione remota	Playback
		Interno		iSCSI		
		Normale	Ricostruzione			
Interno (RAID5)	400	400	320	300	300	32
Interno (RAID6)	400	400	320	300	300	32
HDD singolo	400	250	-	250	300	32
iSCSI	300	-	-	300	300	32

※ Le prestazioni di salvataggio Internet/iSCSI si basa su uno scenario utente singolo.

unità: mm (pollici)



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one line to give the program's name and an idea of what it does.

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interest in the program `Gnomovision'

(which makes passes at compilers) written

by James Hacker.

signature of Ty Coon, 1 April 1989

Ty Coon, President of Vice

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Version 3, 29 June 2007

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```
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```

```
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Version 2.1, February 1999

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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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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

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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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