

WISeNet

VIDEOREGISTRATORE DI RETE

Manuale delle specifiche del prodotto

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



Videoregistratore di rete

Manuale delle specifiche del prodotto

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- ❖ 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 simili.
- 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 importanti.

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.

Prodotti NVR che supportano ciascuna funzionalità

Funzione	Prodotti
Ventola	QRN-810, QRN-810S, XRN-410S, QRN-410, QRN-410S
PoE	QRN-1610S, XRN-810S, QRN-810S, XRN-410S, QRN-410S
P2P	QRN-1610S, XRN-810S, QRN-810, QRN-810S, XRN-410S, QRN-410, QRN-410S
Telecomando	QRN-1610S, XRN-810S, QRN-810, QRN-810S, XRN-410S, QRN-410, QRN-410S I modelli QRN-410/QRN-410S e XRN-410S potrebbero non supportare il telecomando a seconda della regione di vendita.

SOMMARIO

INSTALLAZIONE 10	10	Controllo dell'ambiente di installazione
	10	Installazione del rack
	10	Aggiunta di un HDD

COLLEGAMENTO AD ALTRI DISPOSITIVI 12	12	Collegamento a un dispositivo esterno
	12	Collegamento USB
	12	Collegamento alla porta di ingresso/uscita audio
	13	Collegamento alla rete

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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.

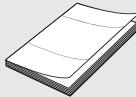
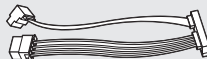
- Comoda interfaccia utente
- Supporta diverse risoluzioni per telecamere 4k.
- Esporta un'immagine 4K ad alta definizione tramite l'uscita HDMI.
- Registrazione e riproduzione video
- Registrazione e riproduzione audio
- Supporta lo standard ONVIF Profile S e i protocolli RTP / RTSP
- Visualizzazione dello stato dell'HDD mediante HDD SMART
- Sovrascrittura dell'HDD abilitata
- Backup con protocolli USB 2.0, 3.0 e HDD esterno
- Riproduzione simultanea di 4, 8 canali
- Diversi modi di ricerca (Ora, evento, intelligente, testo, backup, ARB)
- Supporto ARB (funzione di configurazione per salvare il periodo in base al canale)
- 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, Configurazione veloce)
- Supporta la funzione di monitoraggio da remoto per Smartphone tramite il supporto P2P
- Fornisce l'evento allarme per Smartphone (invio di messaggi in tempo reale)

Contenuto della confezione

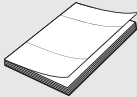
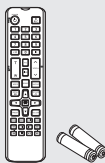
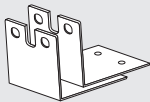
Disimballare il prodotto e collocarlo su una superficie piana o nel luogo in cui deve essere installato.
Controllare che, oltre all'unità principale, siano presenti tutti gli elementi indicati di seguito.

- La categoria e quantità dell'accessorio potrebbero variare a seconda della regione.

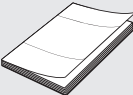
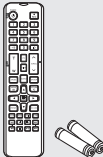
XRN-410S/QRN-410/QRN-410S

		
NVR	Mouse	Cavo di Alimentazione
		
Alimentatore	Guida rapida	Morsettiera (N/A su QRN-410S)
		
Vite di montaggio per il HDD (Per modelli che non hanno l'HDD installato)	Cavo di alimentazione SATA (Per modelli che non hanno l'HDD installato)	

XRN-810S/QRN-1610S

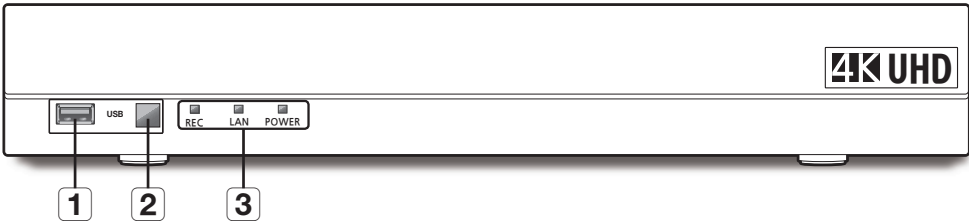
		
NVR	Mouse	Cavo di Alimentazione
		
Guida rapida	Morsettiera	Telecomando / Batteria del Telecomando (AAA)
		
Rack con Staffe	Vite di fissaggio staffa	

QRN-810/QRN-810S

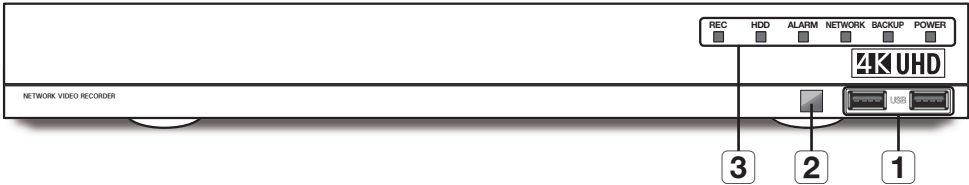
		
NVR	Mouse	Cavo di Alimentazione
		
Alimentatore	Guida rapida	Morsettiera (N/A su QRN-810S)
		
Telecomando / Batteria del Telecomando (AAA)	Vite di montaggio per il HDD (Per modelli che non hanno l'HDD installato)	Cavo di alimentazione SATA (Per modelli che non hanno l'HDD installato)

NOMI DELLE PARTI E FUNZIONI (PARTE ANTERIORE)

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



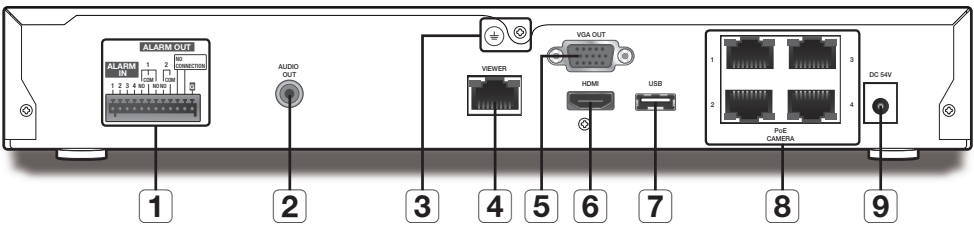
XRN-810S/QRN-1610S



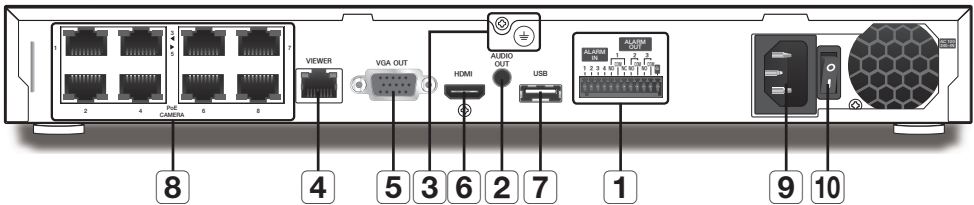
Nomi delle parti		Funzioni
1	USB	Permette di collegare i dispositivi USB. (USB 2.0 supportato)
2	Remote Reception System	Receive the signal from the remote control.
3	LED Indicator	REC : Si accende quando la registrazione è in corso.
		HDD : Mostra il normale accesso all'HDD. Il LED si attiva quando si accede all'hard disk. (XRN-810S/QRN-1610S)
		ALARM : Si accende quando si verifica un evento. (XRN-810S/QRN-1610S)
		NETWORK (LAN) : Mostra lo stato della connessione di rete e della trasmissione dei dati.
		BACKUP : Resta acceso mentre il Backup è in corso. (XRN-810S/QRN-1610S)
		POWER : Mostra lo stato di accensione ON/OFF.

NOMI DELLE PARTI E FUNZIONI (PARTE POSTERIORE)

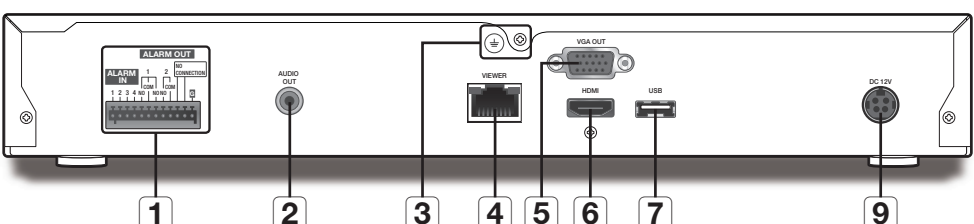
XRN-410S



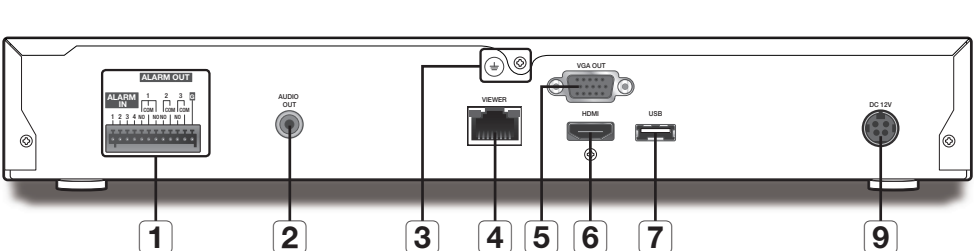
XRN-810S



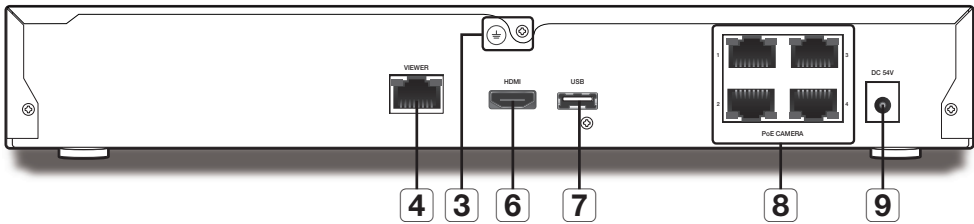
QRN-410



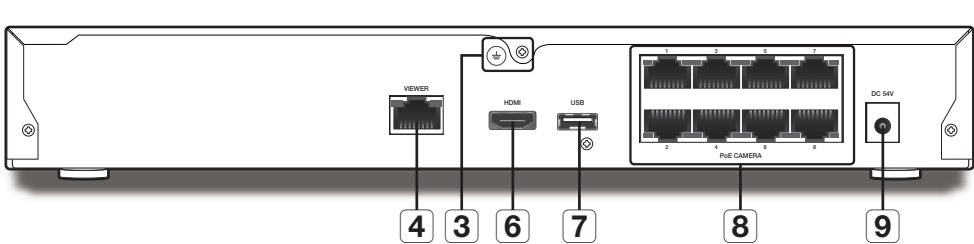
QRN-810



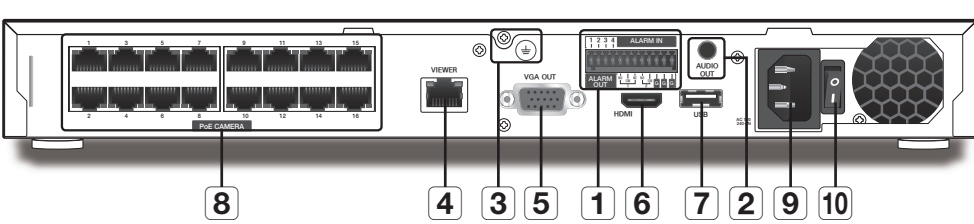
QRN-410S



QRN-810S



QRN-1610S



Nomi delle parti		Funzioni
1	ALARM	- ALARM IN : Porte di ingresso allarme. (1~4 CH) - ALARM OUT : Porte di uscita allarme. XRN-410S/QRN-410/QRN-1610S : 1~2 CH XRN-810S/QRN-810 : 1~3 CH
2	AUDIO OUT	Porta di uscita del segnale audio (jack RCA).
3	Connessione di messa a terra	Morsetto per connettere un cavo di messa a terra separato. ■ Aggiungere un cavo di messa a terra per garantire l'utilizzo sicuro del dispositivo.
4	VIEWER	Porta indicata per la connessione alla rete, visualizzatore del web.
5	VGA OUT	Porta di uscita del segnale video VGA.
6	HDMI	Porta connettore HDMI.
7	USB	Permette di collegare i dispositivi USB. (USB 3.0 supportato)
8	PoE (CAMERA)	Porta per l'alimentazione di corrente per collegarsi a una telecamera.
9	Alimentazione	Terminale al quale collegare il cavo dell'alimentazione.
10	Interruttore di corrente	Interruttore Acceso/Spento.

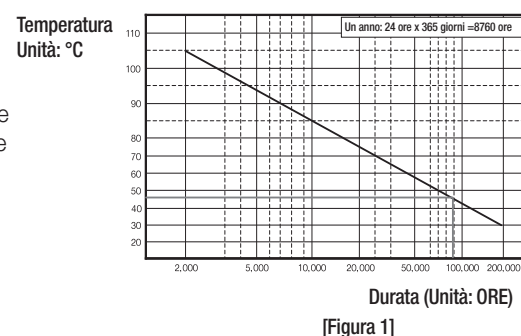
Prima di utilizzare il prodotto prestare attenzione a quanto segue.

- 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

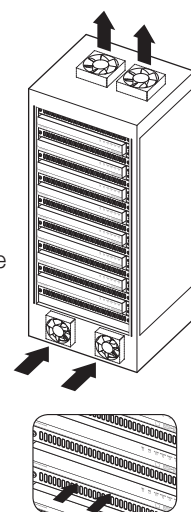
Questo prodotto è un dispositivo di sicurezza di alto livello, equipaggiato con un HDD ad alta capacità e altri circuiti stampati.

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.

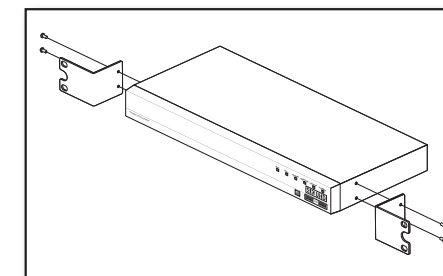


[Figura 2]

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.



<XRN-810S/QRN-1610S>

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: XRN-410S/QRN-410/QRN-810/QRN-410S/QRN-810S : Max. 1
XRN-810S/QRN-1610S : Max. 2
- 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.

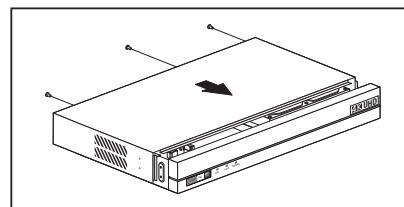
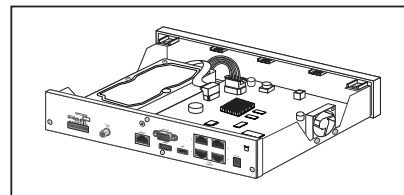
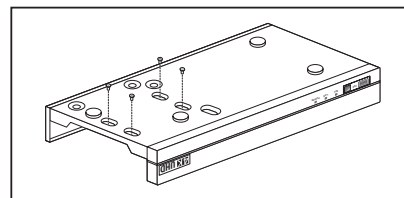
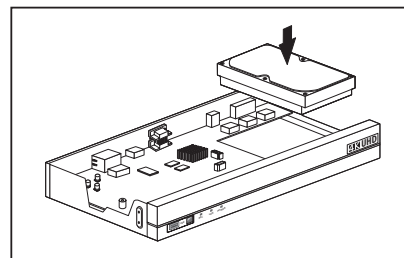
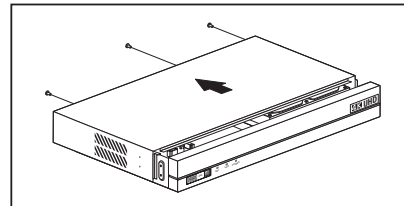
Installazione dell'HDD

- ❗ 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.

Come installare un HDD nel modello XRN-410S/QRN-410/QRN-810/QRN-410S/QRN-810S

- ✍ Le seguenti figure si riferiscono al modello XRN-410S.

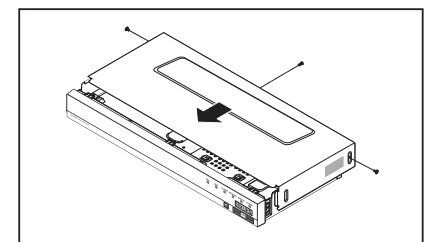
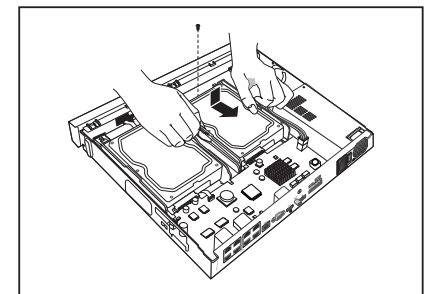
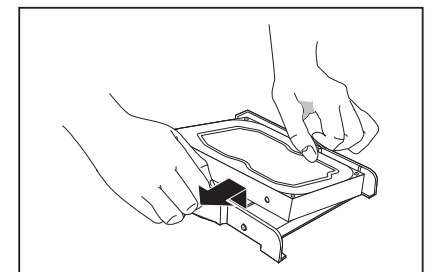
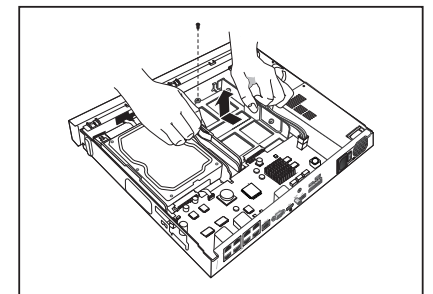
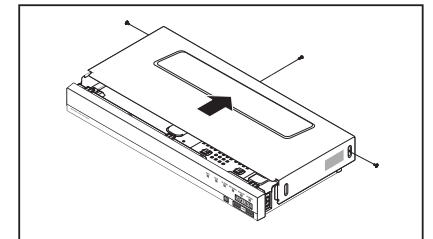
1. Dopo aver rimosso le viti, tirare e rimuovere il coperchio.
2. Collegare i cavi d'alimentazione/SATA del HDD ai connettori sulla scheda madre.
3. Usando le viti, fissare l'HDD alla parte inferiore dell'unità.
4. Verificare che non ci siano problemi nel terminale di collegamento e nel cablaggio del prodotto. Chiudere il coperchio e fissare le viti.
5. Chiudere il coperchio e stringere la vite di blocco sul retro.



Come installare un HDD nel modello XRN-810S/QRN-1610S

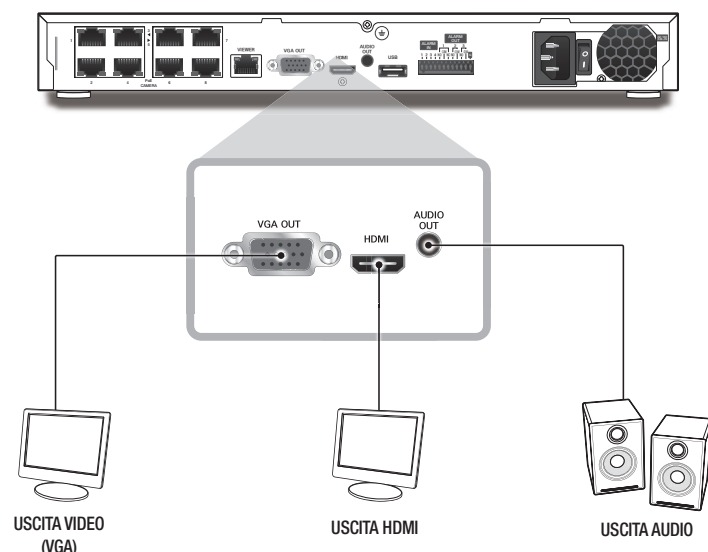
- ✍ Le seguenti figure si riferiscono al modello XRN-810S.

1. Dopo aver rimosso le viti, tirare e rimuovere il coperchio.
2. Separare i due componenti svitando la vite del supporto e spingerla nel verso indicato della freccia sulla scheda.
3. Dopo aver allineato e inserito un lato del HDD al supporto, aprire completamente l'altro lato e inserire l'HDD tra le due unità.
 - Allineare il foro sul supporto con uno dei fori del HDD per fissarli.
4. Spingere il supporto con l'HDD installato e stringere le viti per fissarlo.
5. Chiudere il coperchio e stringere le viti per fissarlo.



COLLEGAMENTO A UN DISPOSITIVO ESTERNO

- Le seguenti figure si riferiscono al modello XRN-810S.

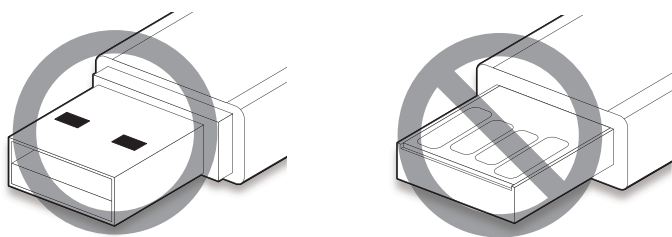


- Una sorgente di alimentazione impropria o che non rispetta le specifiche può causare danni al sistema. Prima di premere il tasto di accensione, assicurarsi di utilizzare solo sorgenti che rispettano le specifiche.

COLLEGAMENTO USB

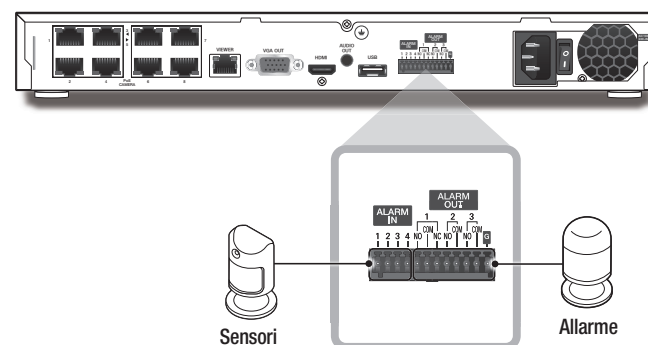
- Sulla parte frontale del prodotto c'è una porta USB.
- È possibile collegare un HDD USB, una memoria USB o un mouse alla porta USB.
- Se l'HDD USB è collegato al sistema, può essere rilevato e impostato seguendo i seguenti passaggi in "Menu > Dispos. > Disp.memorizz." del Manuale utente dell'NVR Wisenet.
- 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.

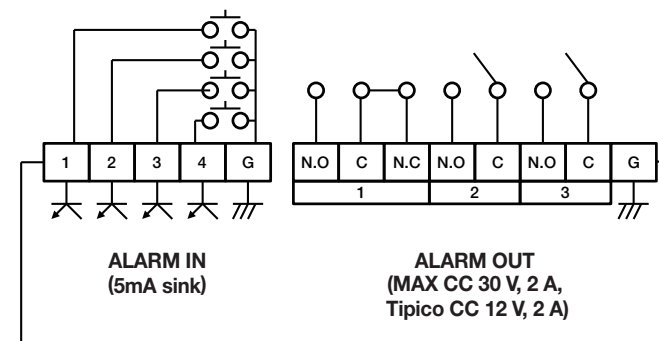


COLLEGAMENTO ALLA PORTA DI INGRESSO/USCITA AUDIO

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



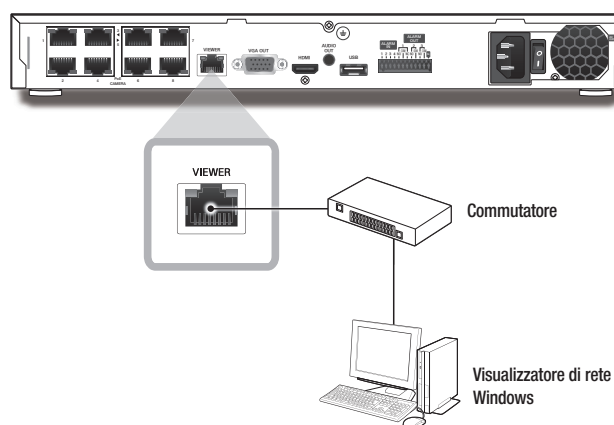
- ALARM IN 1 ~ 4 : porta di ingresso allarme
- ALARM OUT 1 ~ 3 : porta di uscita allarme



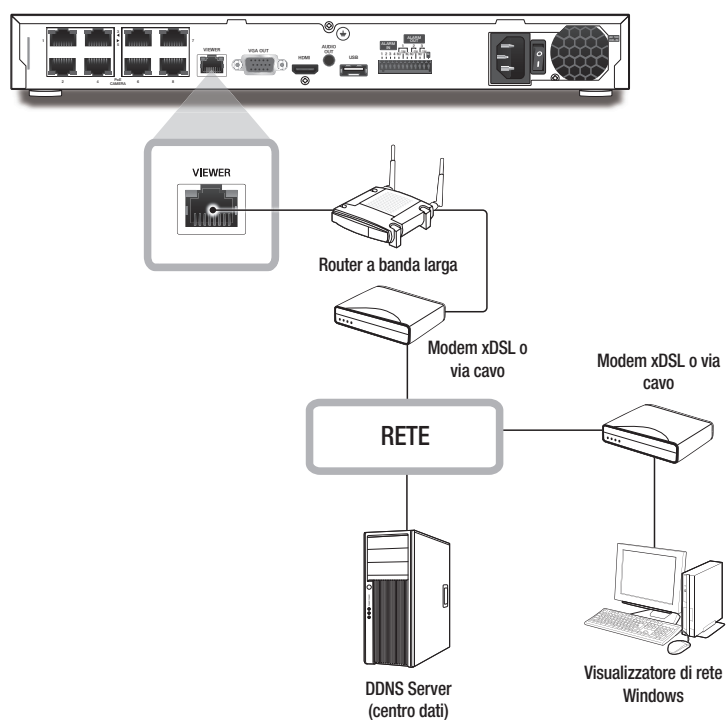
COLLEGAMENTO ALLA RETE

- Per ulteriori informazioni sulla connessione di rete, consultare "Configurazione della rete" nel Manuale utente dell'NVR Wisenet.
- Le seguenti figure si riferiscono al modello XRN-810S.

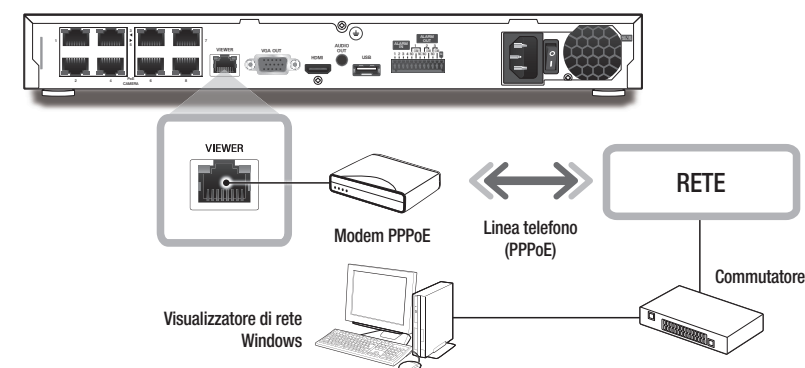
Collegamento alla rete tramite Ethernet (10/100/1000BaseT)



Collegamento alla rete tramite router

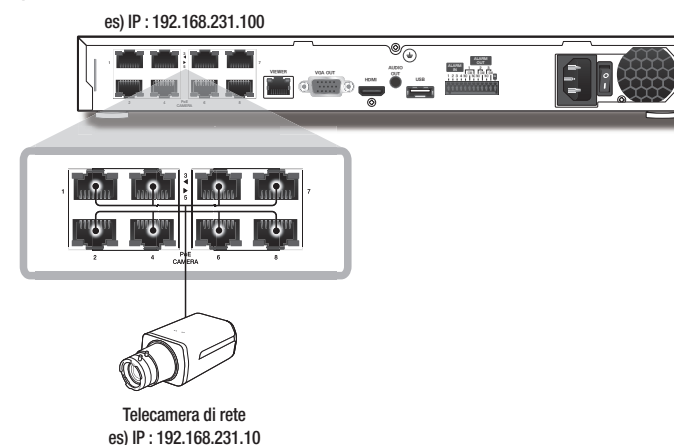


Collegamento a Internet tramite PPPoE

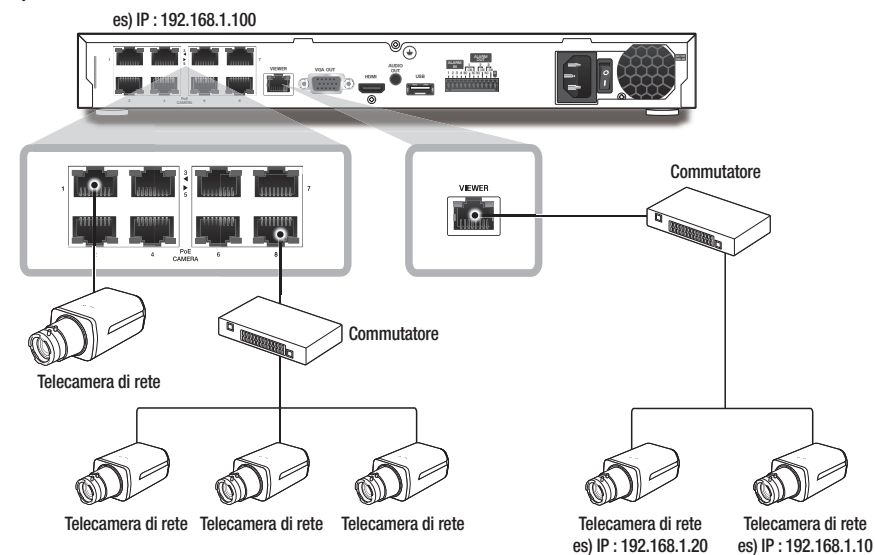


Collegamento alla telecamera di rete

Ad esempio 1)



Ad esempio 2)



• XRN-410S/XRN-810S

Elemento		Dettagli	
		XRN-410S	XRN-810S
Display			
Telecamera di rete	Ingressi	Max 4 canali	Max 8 canali
	Risoluzione	CIF ~ 8MP	
	Protocolli	Wisenet, ONVIF	
Live	Display locale	1x HDMI(HDMI 1.4) / 1x VGA	
	Prestazioni	[Monitor locale] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps) - Tuttavia, per le Mjpeg, è consentito fino ad un massimo di 2MP	
Prestazioni			
Sistema operativo	Incorporato	Linux	
Registrazione	Compressione	H.265, H.264, MJPEG (Può decodificare fino a 2M)	
	Larghezza di banda di registrazione	50 Mbps max.	100 Mbps max.
	Risoluzione	CIF ~ 8MP	
Ricerca e riproduci	Riproduzione larghezza di banda	32Mbps (4 canali simultaneamente)	32Mbps (8 canali simultaneamente)
	Prestazioni	Max. 3 utenti (Locale 1, Remoto 3)	
	Riproduzione simultanea	Max. 4 canali (Locale, Rete)	Max. 8 canali (Locale, Rete)
	Risoluzione	CIF ~ 8MP	
	Comandi di riproduzione	Veloce/Lento Avanti/Indietro, avanzamento per scena verso l'alto/verso il basso	
Memorizzazione	Integrato	0TB ~ 6TB (dependent on region) - Seagate : ~ 4TB	
	HDD interno	1 (Max. 6TB)	2 (Max. 12TB)

Elemento		Dettagli	
		XRN-410S	XRN-810S
Backup	Backup File	BU/Exe(USB), JPG/AVI(Web, CMS)	
	Funzione	Canale molteplice (fino a 4CH) Riproduci, Data-ora/visualizza titolo	Canale molteplice (fino a 8CH) Riproduci, Data-ora/visualizza titolo
Sensore	I/O	4/2 (NO 1EA, NO/NC 1EA)	4/3 (NO 2EA, NO/NC 1EA)
Audio	Ingresso	4 canali (rete)	8 canali (rete)
	Compressione	G.711, G.726, AAC(16/48KHz)	
	Comunicazione audio	Bi-direzionale	
Rete			
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 Security DDNS	
Larghezza di banda di trasmissione		64Mbps	128Mbps
N. max utenti remoti		Ricerca (3) / Live unicast (10) / Multicast (20)	
Versione IP		IPv4/v6	
Sicurezza		Registro accesso utente, Filtro IP, 802.1x, Crittografia	
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		Windows 7, 8, 10, Mac OS X 10.9. 10.10. 10.11	
Browser del web		Webviewer senza plugin Browser supportati: Google Chrome 47, MS Edge 20 Plug-in Webviewer Browser supportati: MS Explore 11, Apple Safari 9 * solo Mac OS X	
Software di visualizzazione	Tipo	SSM, Webviewer, SmartViewer, Wisenet Mobile	
	Supporto CMS	SDK/CGI (SUNAPI)	

Elemento		Dettagli	
		XRN-410S	XRN-810S
Funzioni			
Controllo della telecamera	PoE	1) Consumo alimentazione Monitor PoE 2) Controllo On/Off per ogni telecamera PoE 3) Reset da remoto per ogni telecamera PoE	
Configurazione veloce		Configurazione guidata (Data/ora, rete, configurazione automatica della telecamera) P2P (Codice QR)	
Ridondanza	ARB	Sì	
PTZ	Controllo	Tramite GUI, Webviewer, 300 Impostazioni predefinite	
Smartphone	Modello supportato	Android, iOS	
	Supporto protocollo	RTP, RTSP, HTTP, CGI (SUNAPI)	
Smartphone	Controllo	Live(4ch) : Supporto multi-profilo Playback(1ch) Push Evento	Live(8ch) : Supporto multi-profilo Playback(1ch) Push Evento
Controllo del sistema		Mouse, Web, IR Remocon	
Indicatore/interfaccia			
Fronte	Indicatore	LED (Indicatore LED) : 3ea LED 1EA stato alimentazione LED 1EA stato allarme LED 1EA stato registrazione	LED (Indicatore LED) : 6ea LED 1EA stato alimentazione LED 1EA azione HDD LED 1EA stato allarme LED 1EA stato registrazione LED 1EA azione Rete LED 1EA stato BACKUP
Connettori	VGA	1EA	
	HDMI	1EA - Supporta fino a 4K (3840 x 2160), 30Hz	

Elemento		Dettagli	
		XRN-410S	XRN-810S
Connettori	Audio	Uscita (1EA, RCA, Linea)	
	Ethernet	■ 4EA (PoE/PoE+, 100Mbps) ■ 1EA (WAN, 1Gbps) - WAN : Uplink to CMS	■ 8EA (PoE/PoE+, 100Mbps) ■ 1EA (WAN, 1Gbps) - WAN : Uplink to CMS
	Allarme	Entrata(4EA, morsettiera) Uscita(2EA, morsettiera)	Entrata(4EA, morsettiera) Uscita(3EA, morsettiera)
	USB	2EA(Parte Anteriore 1, Parte Posteriore 1)	3EA(Parte Anteriore 2, Parte Posteriore 1)
	Storage	-	
	N. seriale	-	
	Resetta	Interruttore(1EA)	
	Cavo di alimentazione	Incluso	
Sistema			
Registro	Elenco registro	Max. 20000 (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			
Ingresso alimentazione		54V DC / 1.67A	Da 100 a 240 VAC ±10%
Consumo elettrico		Max. 13W (44BTU, 2TB HDD x 1ea)	Max. 19W (64BTU, 2TB HDD x 1ea)
Budget PoE		Max. 50W	Max. 100W
Meccanico			
Colore/materiale		Nero / metallo	
Dimensioni (LxAxP)		L300 x A47 x P208.7mm (11.81"X1.85"X8.22") (1U)	L370 x A44 x P320mm (14.57"X1.73"X12.6") (1U)
Peso		1.694Kg (2T HDD)	3.356kg (2T HDD)

• QRN-410/QRN-810

Elemento		Dettagli	
		QRN-410	QRN-810
Display			
Telecamera di rete	Ingressi	Max 4 canali	Max 8 canali
	Risoluzione	CIF ~ 8MP	
	Protocolli	Wisenet, ONVIF	
Live	Display locale	1x HDMI(HDMI 1.4) / 1x VGA	
	Prestazioni	[Monitor locale] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps) - Tuttavia, per le Mjpeg, è consentito fino ad un massimo di 2MP	
Prestazioni			
Sistema operativo	Incorporato	Linux	
Registrazione	Compressione	H.265, H.264, MJPEG (Può decodificare fino a 2M)	
	Larghezza di banda di registrazione	50 Mbps max.	100 Mbps max.
	Risoluzione	CIF ~ 8MP	
Ricerca e riproduci	Riproduzione larghezza di banda	32Mbps (4 canali simultaneamente)	32Mbps (8 canali simultaneamente)
	Prestazioni	Max. 3 utenti (Locale 1, Remoto 3)	
	Riproduzione simultanea	Max. 4 canali (Locale, Rete)	Max. 8 canali (Locale, Rete)
	Risoluzione	CIF ~ 8MP	
	Comandi di riproduzione	Veloce/Lento Avanti/Indietro, avanzamento per scena verso l'alto/verso il basso	
Memorizzazione	Integrato	0TB ~ 6TB (dependent on region) - Seagate : ~ 4TB	
	HDD interno	1 (Max. 6TB)	

Elemento		Dettagli	
		QRN-410	QRN-810
Backup	Backup File	BU/Exe(USB), JPG/AVI(Web, CMS)	
	Funzione	Canale molteplice (fino a 4CH) Riproduci, Data-ora/visualizza titolo	Canale molteplice (fino a 8CH) Riproduci, Data-ora/visualizza titolo
Sensore	I/O	4/2 (NO 1EA, NO/NC 1EA)	4/3 (NO 2EA, NO/NC 1EA)
Audio	Ingresso	4 canali (rete)	8 canali (rete)
	Compressione	G.711, G.726, AAC(16/48KHz)	
	Comunicazione audio	Bi-direzionale	
Rete			
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 Security DDNS	
Larghezza di banda di trasmissione		64Mbps	128Mbps
N. max utenti remoti		Ricerca (3) / Live unicast (10) / Multicast (20)	
Versione IP		IPv4/v6	
Sicurezza		Registro accesso utente, Filtro IP, 802.1x, Crittografia	
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		Windows 7, 8, 10, Mac OS X 10.9. 10.10. 10.11	
Browser del web		Webviewer senza plugin Browser supportati: Google Chrome 47, MS Edge 20 Plug-in Webviewer Browser supportati: MS Explore 11, Apple Safari 9 * solo Mac OS X	
Software di visualizzazione	Tipo	SSM, Webviewer, SmartViewer, Wisenet Mobile	
	Supporto CMS	SDK/CGI (SUNAPI)	

Elemento		Dettagli	
		QRN-410	QRN-810
Funzioni			
Configurazione veloce		Configurazione guidata (Data/ora, rete, configurazione automatica della telecamera) P2P (Codice QR)	
Ridondanza	ARB	Sì	
PTZ	Controllo	Tramite GUI, Webviewer, 300 Impostazioni predefinite	
Smartphone	Modello supportato	Android, iOS	
	Supporto protocollo	RTP, RTSP, HTTP, CGI (SUNAPI)	
	Controllo	Live(4ch) : Supporto multi-profilo Playback(1ch) Push Evento	Live(8ch) : Supporto multi-profilo Playback(1ch) Push Evento
Controllo del sistema		Mouse, Web, IR Remocon	
Indicatore/interfaccia			
Fronte	Indicatore	LED 1EA stato alimentazione LED 1EA stato allarme LED 1EA stato registrazione	
Connettori	VGA	1EA	
	HDMI	1EA - Supporta fino a 4K (3840 x 2160), 30Hz	
Connettori	Audio	Uscita (1EA, RCA, Linea)	
	Ethernet	1EA (WAN, 1Gbps) - WAN : Uplink to CMS	
	Allarme	Entrata(4EA, morsettiera) Uscita(2EA, morsettiera)	Entrata(4EA, morsettiera) Uscita(3EA, morsettiera)
	USB	Parte Anteriore 1EA(USB2.0), Parte Posteriore 1(USB3.0)	
	Storage	-	
	N. seriale	-	
	Resetta	Interruttore(1EA)	
	Cavo di alimentazione	Incluso	

Elemento		Dettagli	
		QRN-410	QRN-810
Sistema			
Registro	Elenco registro	Max. 20000 (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			
Ingresso alimentazione		12V/4A	
Consumo elettrico		Max. 9W(31BTU, 2TB HDD x 1ea)	
Meccanico			
Colore/materiale		Nero / metallo	
Dimensioni (LxAxP)		L300 x A47 x P208.7mm (11.81"X1.85"X8.22") (1U)	
Peso		1.655Kg (2T HDD)	

• QRN-410S/QRN-810S/QRN-1610S

Elemento		Dettagli		
		QRN-410S	QRN-810S	QRN-1610S
Display				
Telecamera di rete	Ingressi	Max 4 canali	Max 8 canali	Max 16 canali
	Risoluzione	CIF ~ 8MP		
	Fish-Eye Dewarping	N/A (processo su Web / CMS)		
	Protocolli	Wisenet, ONVIF, RTSP		
Live	Display locale	1x HDMI		1x HDMI / 1x VGA
	Prestazioni	[Monitor locale] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(120fps), 720p(120fps), D1(120fps)	[Monitor locale] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps)	[Monitor locale] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(480fps), D1(480fps)
Prestazioni				
Sistema operativo	Incorporato	Linux		
Registrazione	Compressione	H.265, H.264, MJPEG		
	Larghezza di banda di registrazione	40 Mbps max.	80 Mbps max.	128 Mbps max.
	Risoluzione	CIF ~ 8MP		
Ricerca e riproduci	Riproduzione larghezza di banda	32Mbps (4 canali simultaneamente)	32Mbps (8 canali simultaneamente)	
	Prestazioni	Max. 3 utenti (Locale 1, Remoto 3)		
	Riproduzione simultanea	Max. 4 canali (Locale, Rete)	Max. 8 canali (Locale, Rete)	Max. 8 canali(Locale), Max. 16 canali(Rete)
	Risoluzione	CIF ~ 8MP		
	Fish-Eye Dewarping	N/A (processo su Web / CMS)		
	Comandi di riproduzione	Veloce/Lento Avanti/Indietro, avanzamento per scena verso l'alto/verso il basso		
Memorizzazione	Integrato	N/A		
	HDD interno	1 (Max. 6TB)		2 (Max. 12TB)

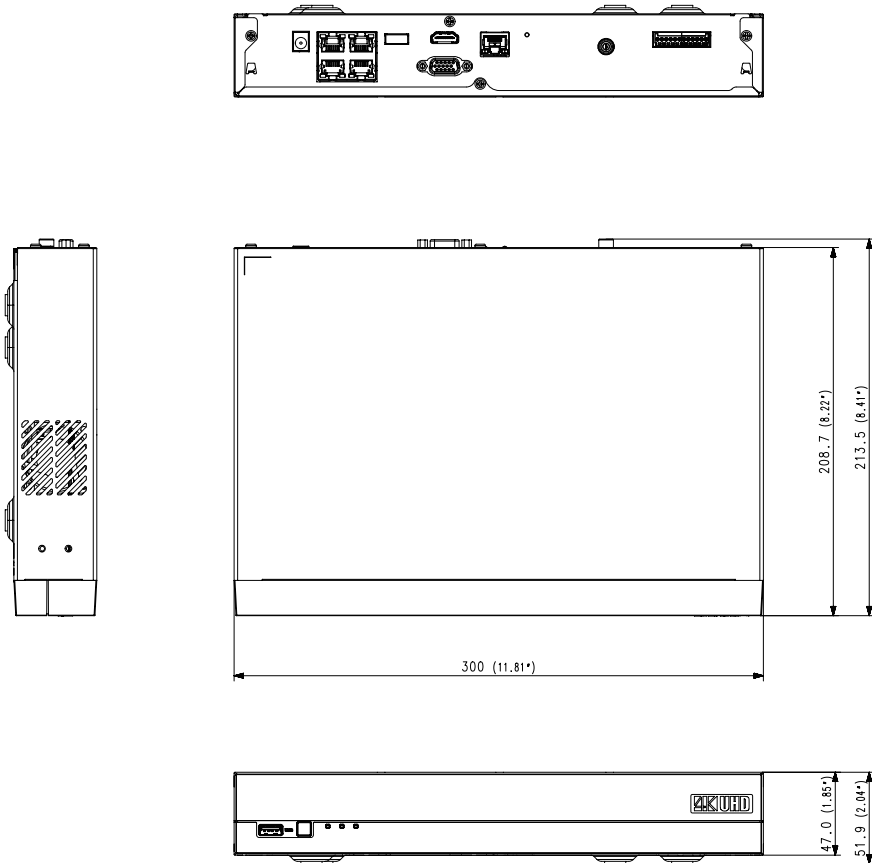
Elemento		Dettagli		
		QRN-410S	QRN-810S	QRN-1610S
Backup	Backup File	BU/Exe(USB), JPG/AVI(Web, CMS)		
	Funzione	Canale molteplice (fino a 4CH) Riproduci, Data-ora/ visualizza titolo	Canale molteplice (fino a 8CH) Riproduci, Data-ora/visualizza titolo	
Sensore	I/O	N/A		4/2 (NO 1EA, NO/NC 1EA)
Audio	Ingresso	4 canali (rete)	8 canali (rete)	16 canali (rete)
	Compressione	G.711, G.726, AAC(16/48KHz)		
	Comunicazione audio	Bi-direzionale		
Rete				
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 Security DDNS		
Larghezza di banda di trasmissione		50Mbps	80Mbps	128Mbps
N. max utenti remoti		Ricerca (3) / Live unicast (10) / Multicast (20)		
Versione IP		IPv4/v6		
Sicurezza		Registro accesso utente, Filtro IP, 802.1x, Crittografia		
SO		Windows 7, 8, 10, Mac OS X 10.9. 10.10. 10.11		
Browser del web		Webviewer senza plugin Browser supportati: Google Chrome 47, MS Edge 20 Plug-in Webviewer Browser supportati: MS Explore 11, Apple Safari 9 * solo Mac OS X		
Software di visualizzazione	Tipo	SSM, Webviewer, SmartViewer, Wisenet Mobile		
	Supporto CMS	SDK/CGI (SUNAPI)		
Funzioni				
Controllo della telecamera	PoE	1) Consumo alimentazione Monitor PoE 2) Controllo On/Off per ogni telecamera PoE 3) Reset da remoto per ogni telecamera PoE		

Elemento		Dettagli		
		QRN-410S	QRN-810S	QRN-1610S
Configurazione veloce		Configurazione guidata (Data/ora, rete, configurazione automatica della telecamera) P2P (Codice QR)		
ARB		Sì		
PTZ	Controllo	Tramite GUI, Webviewer, 300 Impostazioni predefinite		
Smartphone	Modello supportato	Android, iOS		
	Supporto protocollo	RTP, RTSP, HTTP, CGI (SUNAPI)		
	Controllo	Live(4ch) : Supporto multi-profilo Playback(1ch) Push Evento	Live(8ch) : Supporto multi-profilo Playback(1ch) Push Evento	Live(16ch) : Supporto multi-profilo Playback(1ch) Push Evento
	N. max di utenti remoti	Ricerca (3) / Live unicast (10) / Live multicast (20)		
Controllo del sistema		Mouse, Web	Mouse, Web, IR Remocon	
Indicatore/interfaccia				
Fronte	Indicatore	LED (Indicatore LED) : 3ea LED 1EA stato alimentazione LED 1EA stato allarme LED 1EA stato registrazione		LED (Indicatore LED) : 6ea LED 1EA stato alimentazione LED 1EA azione HDD LED 1EA stato allarme LED 1EA stato registrazione LED 1EA azione Rete LED 1EA stato BACKUP
Connettori	VGA	N/A		1EA(1920x1080, 1280x1024, 1280x720, 1024x768)
	HDMI	1EA (3840 x 2160, 2560x1440, 1920x1080, 1280x1024, 1280x720, 1024x768)		
	Audio	N/A		Uscita (1EA, RCA)
	Ethernet	■ 4EA (PoE, 100Mbps) ■ 1EA (WAN, 100Mbps) - WAN : Uplink to CMS	■ 8EA (PoE, 100Mbps) ■ 1EA (WAN, 1Gbps) - WAN : Uplink to CMS	■ 16EA (PoE, 100Mbps) ■ 1EA (WAN, 1Gbps) - WAN : Uplink to CMS

Elemento		Dettagli		
		QRN-410S	QRN-810S	QRN-1610S
Connettori	Allarme	N/A		Entrata(4EA, morsettiera) Uscita(2EA, morsettiera)
	USB	Parte Anteriore 1EA(USB2.0), Parte Posteriore 1EA(USB3.0)		Parte Anteriore 2EA(USB2.0), Parte Posteriore 1EA(USB3.0)
	Resetta	Interruttore(1EA)		
	Cavo di alimentazione	Incluso		
Sistema				
Registro	Elenco registro	Max. 20000 (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				
Ingresso alimentazione		54V DC / 1.20A	54V DC / 1.67A	Da 100 a 240 VAC
Consumo elettrico		Max. 47W(1HDD, PoE on) Max. 7.4W(1HDD, PoE off)	Max. 76.2W(1HDD, PoE on) Max. 8.1W(1HDD, PoE off)	Max. 158.2W(2HDDs, PoE on) Max. 34.6W(2HDDs, PoE off)
Budget PoE		Max. 30W	Max. 50W	Max. 130W
Meccanico				
Colore/materiale		Nero / metallo		
Dimensioni (LxAxP)		L300,0 x A47,1 x P208,4 mm(1U)		L370,0 x A44,0 x P320 mm(1U)
Peso		0.99Kg	1.01Kg	2.79Kg

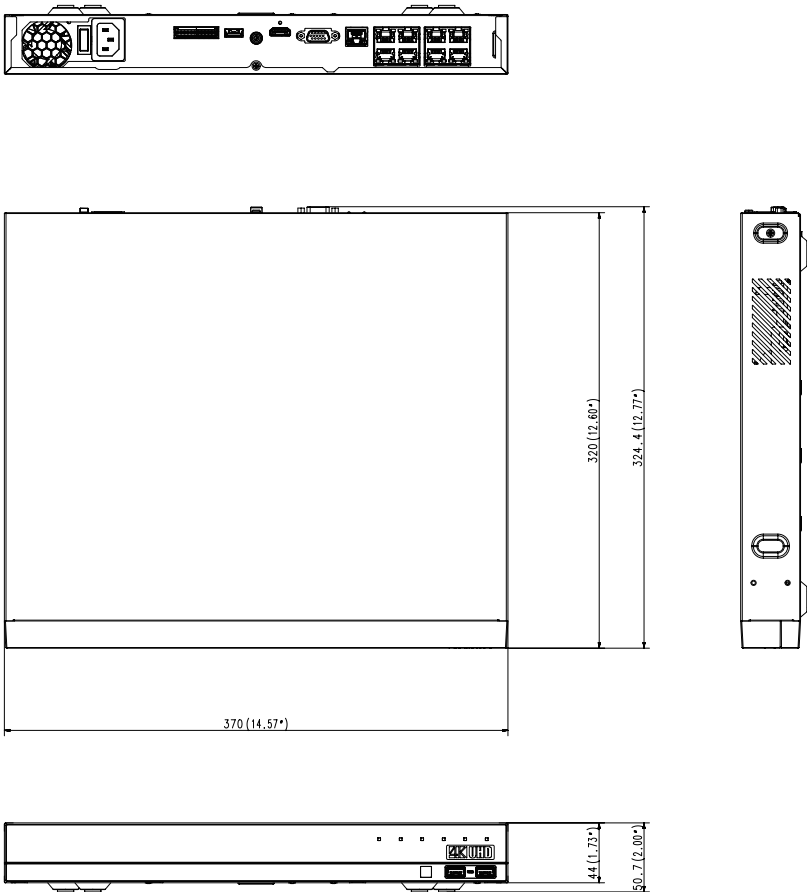
• XRN-410S

unità: mm (pollici)



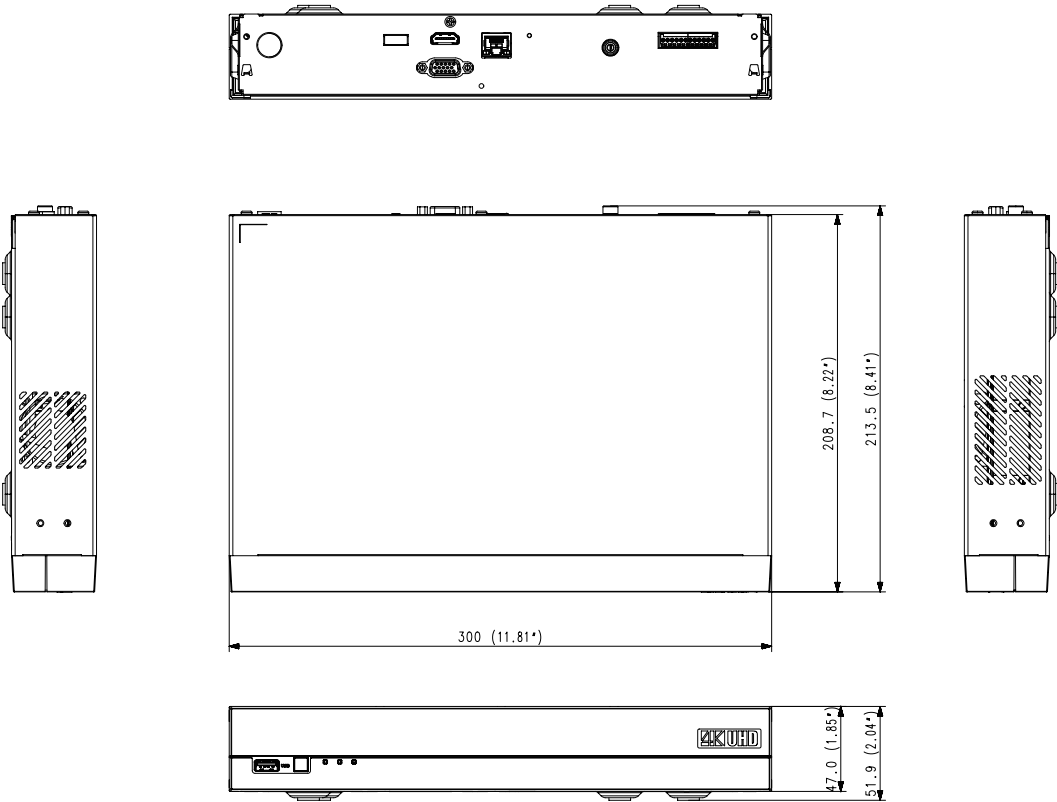
• XRN-810S

unità: mm (pollici)



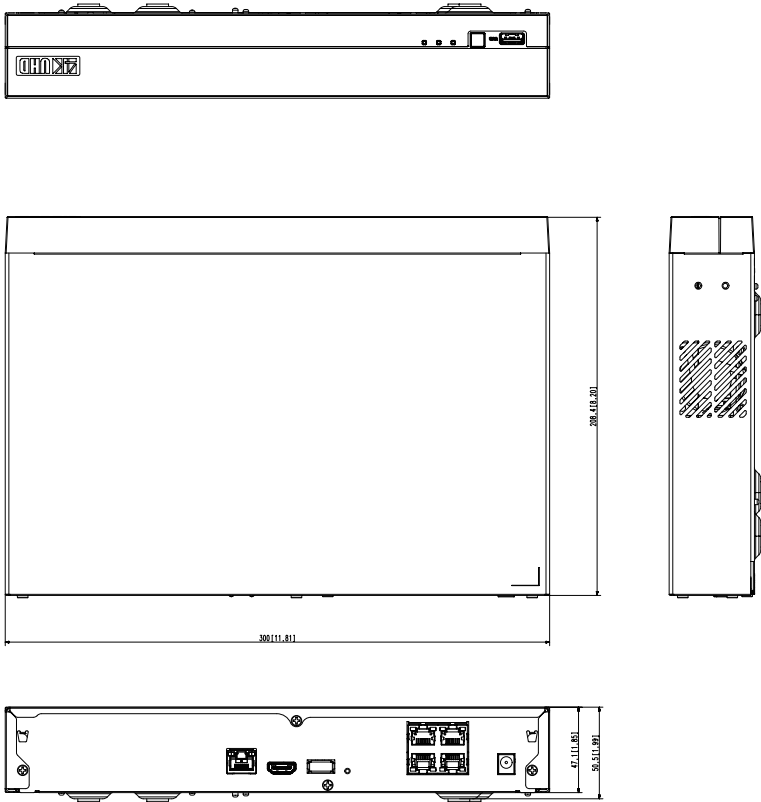
• QRN-410/QRN-810

unità: mm (pollici)



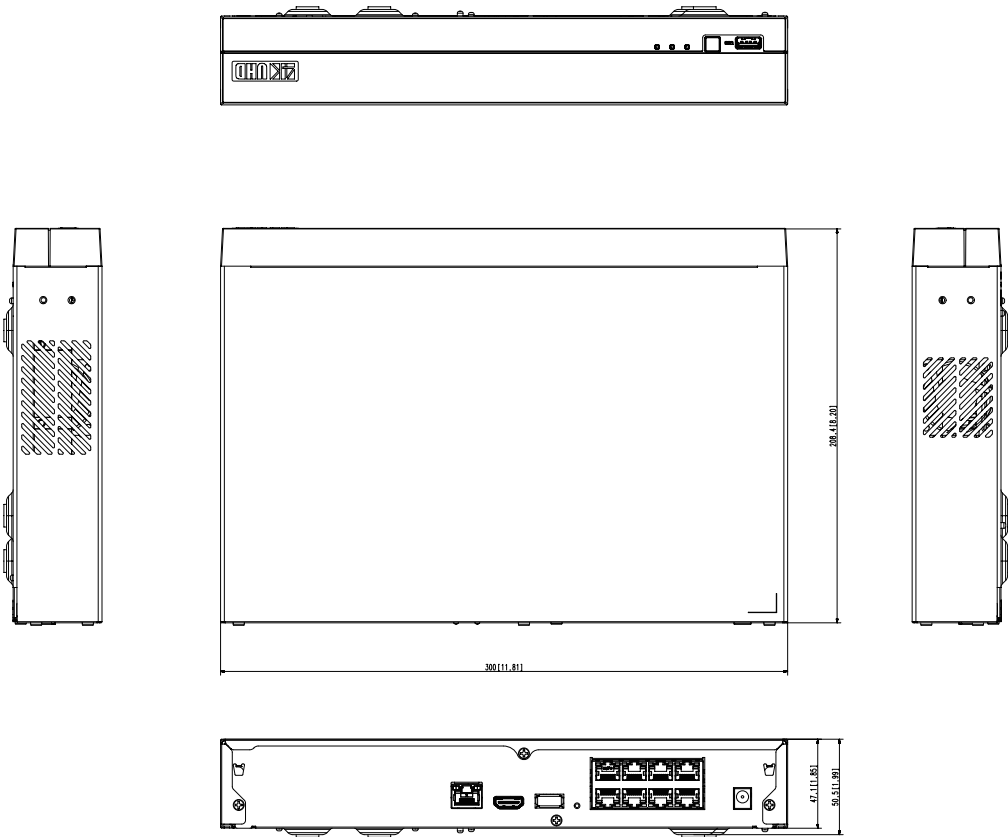
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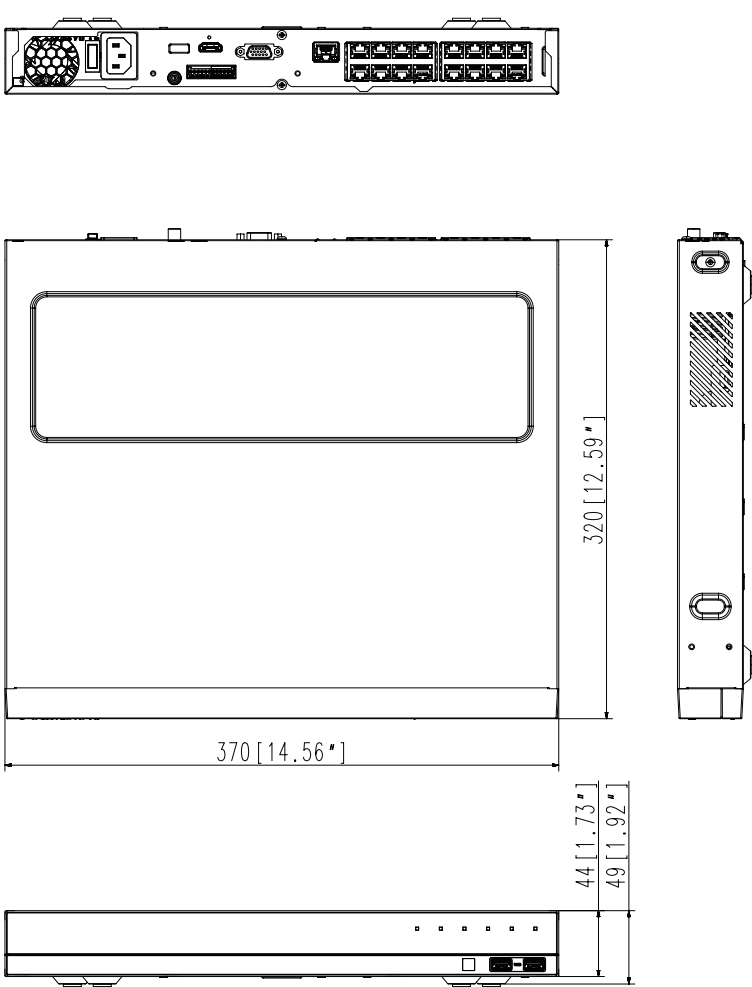
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• QRN-1610S

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- **LGPL Software:** avahi-0.6.32, ffmpeg-2.4.3, glib-2.46.2, libdaemon-0.14, libnl-3.2.25, libusb-0.1.12, libusb-0.1.5, qrencode-3.4.4, wvdial-1.61, wstreams-4.6.1, Live555, qtopia4.7.2
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Version 1.1

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Written by: Philip Hazel {ph10@cam.ac.uk}

University of Cambridge Computing Service,

Cambridge, England. Phone: +44 1223 334714.

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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]Mark Andrews <marka@syd.dms.csiro.au> Leitch atomic clock controller
- [2]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
- [3]Viraj Bais <vbais@mailman1.intel.com> and [4]Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5
- [5]Michael Barone <michael,barone@lmco.com> GPSVME fixes
- [6]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
- [7]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
- [8]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
- [9]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
- [10]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
- [11]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
- [12]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
- [13]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
- [14]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
- [15]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
- [16]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
- [17]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
- [18]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
- [19]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
- [20]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
- [21]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [22]<H.Lambermont@chello.nl> ntpsweep
- [23]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
- [24]Frank Kardel [25]<Frank.Kardel@informatik.uni-erlangen.de> PARSE <GENERIC> driver (14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup
- [26]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
- [27]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
- [28]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
- [29]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port

- [30]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
- [31]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
- [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
- [33]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
- [34]Jeffrey Mogul <mogul@pa.dec.com> ntpttrace utility
- [35]Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
- [36]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
- [37]Derek Mulcahy <derek@toybox.demon.co.uk> and [38]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
- [39]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
- [40]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
- [41]Wilfredo Sánchez <wsanchez@apple.com> added support for NetInfo
- [42]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
- [43]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
- [44]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
- [45]Michael Shields <shields@tembel.org> USNO clock driver
- [46]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
- [47]Harlan Stern <harlan@pfcs.com> GNU automake/ autoconfigure makeover, various other bits (see the ChangeLog)
- [48]Kenneth Stone <ken@sdd.hp.com> HP-UX port
- [49]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
- [50]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
- [51]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
- [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

- mailto:marka@syd.dms.csiro.au
- mailto:altmeier@atlsoft.de
- mailto:vbais@mailman1.intel.co
- mailto:kirkwood@striderfm.intel.com
- mailto:michael.barone@lmco.com
- mailto:karl@owl.HQ.ileaf.com
- mailto:greg.brackley@bigfoot.com
- mailto:Marc.Brett@westgeo.com
- mailto:Piete.Brooks@cl.cam.ac.uk
- mailto:reg@dwf.com
- mailto:clift@ml.csiro.au
- mailto:casey@csc.co.za
- mailto:Sven_Dietrich@trimble.COM
- mailto:dundas@salt.jpl.nasa.gov
- mailto:duwe@immd4.informatik.uni-erlangen.de
- mailto:dennis@mrbill.canet.ca
- mailto:glenn@herald.usask.ca
- mailto:iglesias@uci.edu
- mailto:jagubox.gsfc.nasa.gov
- mailto:jbj@chatham.usdesign.com
- mailto:Hans.Lambermont@nl.origin-it.comv
- mailto:H.Lambermont@chello.nl

- mailto:phk@FreeBSD.ORG
- http://www4.informatik.uni-erlangen.de/kardel
- mailto:Frank.Kardel@informatik.uni-erlangen.de
- mailto:jones@hermes.chpc.utexas.edu
- mailto:dkatz@cisco.com
- mailto:leres@ee.lbl.gov
- mailto:lindholm@ucs.ubc.ca
- mailto:louie@ni.umd.edu
- mailto:thorinn@diku.dk
- mailto:mills@udel.edu
- mailto:moeller@gwdgv1.dnet.gwdg.de
- mailto:mogul@pa.dec.com
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- mailto:d@hd.org
- mailto:Rainer.Pruy@informatik.uni-erlangen.de
- mailto:dirce@zk3.dec.com
- mailto:wsanchez@apple.com
- mailto:mrapple@quack.kfu.com
- mailto:jack@innovativeinternet.com
- mailto:schnitz@unipress.com
- mailto:shields@tembel.org
- mailto:pebbles.jpl.nasa.gov
- mailto:harlan@pfcs.com
- mailto:ken@sdd.hp.com
- mailto:ajit@ee.udel.edu
- mailto:tsuruoka@nc.fukuoka-u.ac.jp
- mailto:vixie@vix.com
- mailto:Ulrich.Windl@rz.uni-regensburg.de
- file://localhost/backroom/ntp-stable/html/index.htm
- mailto:mills@udel.edu

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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
