

WISENET

ネットワークビデオレコーダー

製品仕様説明書

XRN-811S

CE

ネットワークビデオレコーダー 製品仕様説明書

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- ❖ 初期の管理者IDは「admin」です。初回ログイン時にパスワードを設定する必要があります。
個人情報を安全に保護し、情報漏洩の被害を防ぐため、3か月に1回パスワードを変更してください。
パスワードの管理ミスによるセキュリティ及びその他の問題は、ユーザー側の責任となりますことを御了承ください。

重要な安全ガイド

この製品を適正に使用し、リスクやダメージを防ぐため、以下の注意事項に留意してください。

警告/注意

 警告	重度のケガ、死亡する危険性がある内容です。	 注意	装置を損傷したり軽度のケガを負ったりする危険性がある内容です。
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警告

- 1つのコンセントに複数の電源コードを接続（タコ足接続）しないでください。火災の原因となります。
- 製品の上に水または他の液体が入った容器を置かないでください。製品の故障及び火災の原因となります。
- 電源コードを無理やり曲げたり、重いものに押さえられ破損しないようにしてください。火災の原因となります。
- 製品のカバーを開けないでください。また、分解・修理・改造しないでください。異常作動による火災・感電・傷害の危険があります。
- 湿気や埃が多い環境に設置しないでください。火災・感電の原因となります。
- 電源コードを過剰に強く引っ張らないでください。また、濡れた手で触らないでください。火災・感電の危険があります。
- 製品の設置環境を埃がないように綺麗にしてクリーニングには乾燥した柔らかい布を使用し、水、シンナーあるいは有機溶剤を使用しないでください。製品の表面にキズ付く恐れがあり、故障・感電の危険があります。
- ラジエーター、熱レジスタ、あるいは熱を発する他の装置（アンプを含む）など熱源の近くに設置しないで下さい。火災の危険があります。
- 電源ケーブル及び外部入出力ポートが突出されてありますので製品を壁に近く設置するとケーブルが曲がったり押さえられたりすることで破損及び断線する恐れがあります。壁から製品の背面は15cm以上、側面は5cm以上離れて設置してください。
- 本製品の動作のための入力電圧は電圧変動範囲が規定電圧の10%以内であるべきで電源コンセントは必ず接地になっていなければなりません。
- 柔らかく乾いた布か湿った布で製品表面の汚れた部分を拭き取ります。
(アルコール成分、溶剤、界面活性剤や油分を含む洗剤や化粧品を使用しないでください。製品の変形や損傷につながる恐れがあります。)

注意

- 強い磁性や電波がある場所ラジオ・TVなどの無線機器の隣接した場所は設置を避けてください。
- 製品の上に重い物を置かないでください。また、内部に異物が入らないようにしてください。
- 換気がいいところに設置して直射日光や熱にさらさないでください。
- 製品は必ず安定した平らな場所に設置して垂直及び斜めにして使用しないでください。
- 強い衝撃及び振動は機器故障の原因になりますので使用时注意してください。
- 異常な音または臭いがする場合は直ちに電源を切って販売店に問い合わせしてください。
- システムの性能を維持するためには販売店に依頼して定期的な点検をしてください。
- 必ず接地されたコンセントに電源ケーブルを連結してください。

ご使用の前に

このマニュアルでは、製品を使用するために必要な操作情報を記載しており、各部品の詳細とその機能、およびメニューとネットワークの設定について説明します。
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- 問題を確認するためにシステムのケースを開けたい場合は、本製品を購入した販売店の専門家に相談してください。
- ハードディスクドライブまたは外部ストレージ（USBメモリやUSB HDDなど）を追加する場合は、事前にそれが本製品に準拠していることを確認してください。互換性のリストについては、お近くの販売店までお問い合わせください。

電池 (警告)

本製品の電池を不適切なものに交換すると爆発の原因になりますので必ず本製品に使用されているものと同じ種類の電池を使用してください。
現在、使用している電池の仕様は以下の通りです。

- 正規電圧 : 3V
- 正規容量 : 210mAh
- 標準連続負荷 : 0.4mA
- 動作温度 : -20°C ~ +60°C (-4°F ~ +140°F)

注意

- 電源コードをアース端子付きのコンセントに接続します。
- メインプラグは切断装置として使用され、いつでも利用可能になります。
- バッテリーは直射日光の当たる場所や、熱器具の近くには置かないでください。
- 指定されていないタイプの電池に交換すると、爆発の原因になる恐れがあります。使用済電池は説明書に従って廃棄してください。

システムのシャットダウン

動作中電源を切ったり異常な操作した場合はHDD及び製品に損傷を与えることがあります。
システム終了のポップアップウィンドウから<OK>を押し、電源ケーブルを取り外すことで、安全に電源を切るようにします。
停電によるダメージを防ぐためにはUPSシステムを設置してください。（UPSに関する内容はUPS販売店にお問い合わせください。）

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- 電源切断時に異常が生じた場合、ハードディスクドライブのデータをリストアして正常に動作させるため、再起動には時間がかかることがあります。

動作温度

本製品の保証動作温度範囲は、0° C ～ 40° C (32° F ～ 104° F) です。
保証温度以下で長期間保管された場合は、使用時機器が動作しない可能性があります。
低温で長期間保管した後に使用する際は、本製品をできるだけ室温に近づけてからから使用してください。

イーサネット・ポート

本製品は屋内用であるため、通信配線はすべて建物内で行ってください。

セキュリティに関する注意事項

初期の管理者IDは「**admin**」です。初回ログイン時にパスワードを設定する必要があります。
個人情報を安全に保護し、情報窃盗の被害を防ぐため、 3 か月に 1 回パスワードを変更してください。
パスワードの管理ミスによるセキュリティ及びその他の問題は、ユーザー側の責任となりますことを御了承ください。

機能別に対応するNVR製品

機能	製品リスト
ファン	XRN-811S
RAID	XRN-811S
PoE	XRN-811S
P2P	XRN-811S
リモートコントロール	XRN-811S
ジョイスティック	XRN-811S

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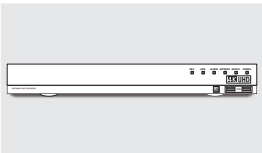
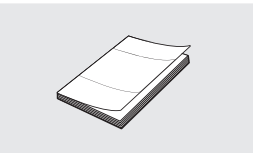
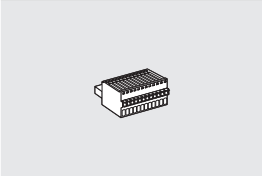
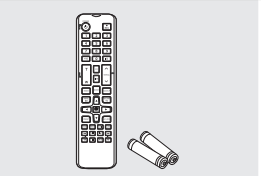
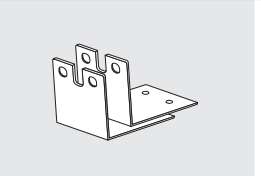
特徴

本製品はネットワークカメラの映像及び音声をハードディスクに録画し、再生することができます。
また、ネットワークを利用して映像及び音声を遠隔地からPCを通じてモニタリングする環境を提供します。

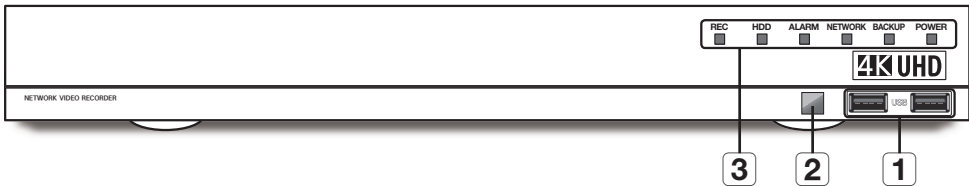
- 使いやすいユーザーインターフェース
- さまざまな4Kカメラ解像度をサポート (4096X2160)
- HDMIを使用し4K HD画像を出力
- 信頼性の二重化電源
- ONVIF Profile S規格およびRTP / RTSPプロトコルのサポート
- HDD SMART機能を利用したHDD情報及び状態表示
- HDD上書き機能及び録画期間の設定が可能
- USB 2.0、3.0メモリ-及び外付けHDDを利用したバックアップが可能
- 8チャンネル同時再生
- RAID対応 (RAID 1)
- 各種検索モード（時刻、イベント、スマート、テキスト、バックアップ、ARB）
- ARBサポート（チャンネルごとに期間を保存する設定機能）
- 各種録画モード（ノーマル、イベント、スケジュール録画）
- アラーム入力 / 出力機能
- Windows Network Viewerによるリモート監視機能
- ネットワークカメラのライブモニタリング支援
- インストールウィザード機能（簡単設定、クイック設定）
- P2Pサポートにより、スマートフォンでのリモートモニタリング機能をサポート
- スマートフォンでイベントアラームを利用可能（リアルタイムのイベントメッセージを送信）

パッケージ内容

製品の梱包を解いて平らな場所または設置場所に置いてください。
本体以外に、以下の付属品がパッケージに梱包されていることを確認してください。
■ 付属品の種類と数量は、販売地域によって異なる場合があります。

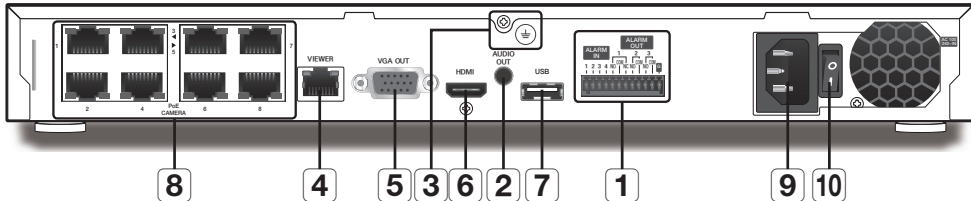
			
NVR	マウス	電源ケーブル	クイックマニュアル
			
端子台	リモートコントローラー / リモコンの電池（単4×2）	ブラケットラック	ブラケット固定ネジ

各部の名称と機能（前面）



部品名		機能
1	USB	USBデバイスを接続します。(USB2.0サポート)
2	リモート受信部	リモコンから信号を受信します。
3	LEDインジケータ	REC: 録画中に点灯します。
		HDD: 正常に接続していることを表示します。 ハードディスクへのアクセス時にLEDが点灯します。
		ALARM: イベント発生時に点灯します。
		NETWORK: ネットワーク接続とデータ転送のステータスを表示します。
		BACKUP: バックアップの実行中はオンの状態。
		POWER: 電源ON/OFFステータスが表示されます。

各部の名称と機能（背面）



部品名		機能
1	ALARM	- ALARM IN: アラーム入力ポート。(1~4 CH) - ALARM OUT: アラーム出力ポート。(1~3 CH)
2	AUDIO OUT	音声信号出力ポート (RCAジャック)。
3	アース接続	別のアースケーブルと接続する端子。 ■ アースケーブルを追加し、デバイスの安全使用をサポートします。
4	VIEWER	ネットワーク、ウェブビューア、接続に推奨されるポート。
5	VGA OUT	VGA映像出力ポート。
6	HDMI	HDMI映像出力ポート。
7	USB	USBデバイスを接続します。(USB3.0サポート)
8	PoE (CAMERA)	カメラを接続ポート。(POE対応)
9	電源	電源接続の端子です。
10	電源スイッチ	電源をオン/オフにします

製品を使用する前に、次のことに注意してください。

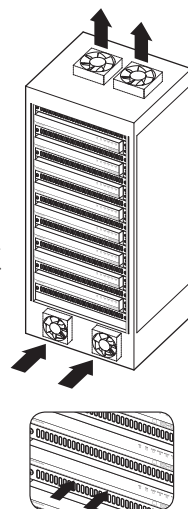
- 製品を屋外で使用しないでください。
- 製品に水または液体をこぼさないでください。
- 製品に強い衝撃や圧力を与えないでください。
- 電源プラグを強引に抜かないでください。
- ご自分で製品を分解しないでください。
- 定格の入力/出力範囲を超えないようにしてください。
- 認定された電源コードのみを使用してください。
- 入力アース付きの製品の場合は、アース付きの電源プラグを使用してください。

設置環境の確認

この製品は、大容量のHDDと他の重要な回路基板を備えた最高レベルのセキュリティデバイスです。製品の内部温度が高すぎるとシステムが故障したり、製品の寿命が短くなる場合があります（右図参照）。製品を設置する前に、次の指示をよく読んでください。

製品をラックに取り付ける場合は、以下の指示に従ってください。

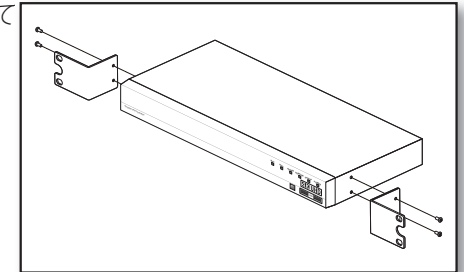
1. ラック内部が密閉されていないことを確認してください。
2. 図のように、空気取入れ口と排気口を通して空気が循環していることを確認してください。
3. 図に示すように、製品または他のラック取付装置を重ね置きする場合は、十分に通気できるスペースがあることを確認するか、通気口を設置してください。
4. 自然対流を作るには、空気取入れ口をラックの下部に、排気口を上部に配置してください。
5. 空気取入れ口と排気口にファンモーターを設置して空気を循環させることを強くお勧めします。（画面の空気取入れ口にフィルタを取り付けて、ゴミや異物が入らないようにしてください。）
6. ラック内部または周囲の温度を0°C～40°C（32°F～104°F）に保ってください。



ラックの設置

図に示すようにブラケット-ラックを取り付け、両側のネジを締めて固定します。

- 振動で緩まないようにネジを固定します。



HDD取り付け

製品内部には感電や事故及び製品の故障等を起こす要素が多数あるため、電源を抜いた後、設置して下さい。インストール及び設定方法を正しくなかった場合、製品が作動しないことがありますので、HDD追加作業は必ず製品のお求め先にお問い合わせ下さい。

- 取り付け可能なHDD個数：最大2個
- 作業を行う前、必ず電源コードをコンセントから外して下さい。



■ データ流失に関する注意事項（HDD管理）

HDDのデータが破損しないように気を付けて下さい。
HDDを追加する場合、まず当社製品と互換性のあるHDD製品かどうかをご確認下さい。
HDDは、外部環境や使用中の衝撃により不良が発生する可能性がある敏感な商品ですので、衝撃を受け破損しないようにご注意下さい。
ユーザーの不注意や外部環境によりHDDが破損している場合、メーカーは有・無償どちらの責任も負いません。

■ HDDとデータの破損がありえる場合

HDD損傷による被害を最小化するには、こまめにバックアップするのをお勧めします。
製品を取り外したり、取り付け作業中に外部からの衝撃が加えられた場合、データが破損することがあります。
HDDの動作中に停電や電源を急に切るなどの製品が急停止した場合、HDDが破損することがあります。
HDDの動作中に本体を移動したり、衝撃を加えるとファイルが破損したり、HDDが破損することがあります。

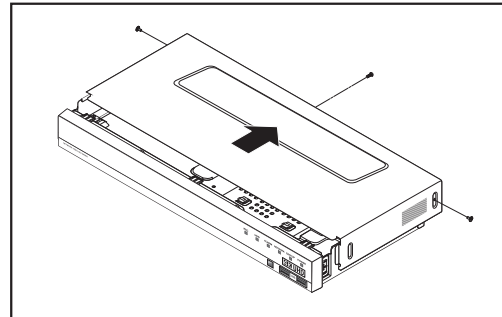
HDD取り付け作業時の留意事項

1. 作業時HDDに無理な力を加えて装着しないように注意して下さい。
2. ネジや部品をなくさないように注意して下さい。
 - ネジや部品を使用して組み立てていない場合、製品に故障が発生したり正しく動作しない可能性があります。
3. HDDを取り付ける前に、サポートしている互換性リストのHDDを確認して下さい。
 - 互換性リストは、製品のお求め先にお問い合わせ下さい。

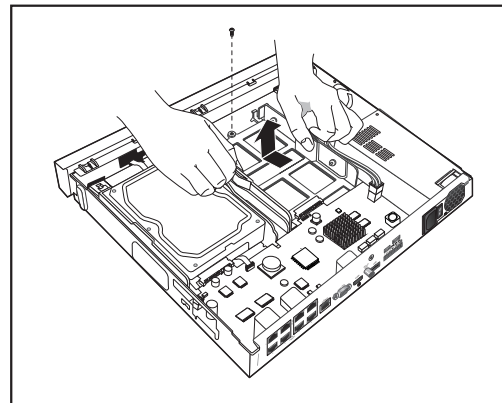
HDDの取り付け

- ❗ 初期インストールのほか、新しく追加された新規HDDや他の製品で使用していたHDDを本製品に取り付ける場合、セットで手動で初期化してお使い下さい。
フォーマット方法はWisenet NVR説明書で「デバイス/フォーマット」をご参照ください。

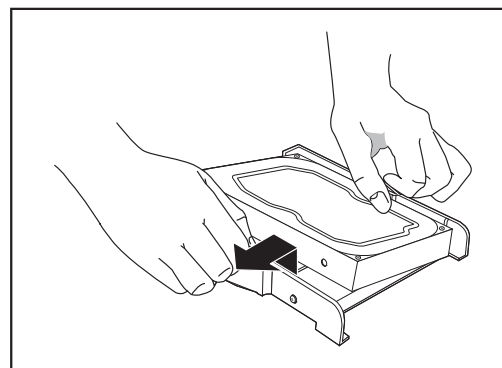
1. 背面のネジを緩めてカバーを後方に押しながら外して下さい。



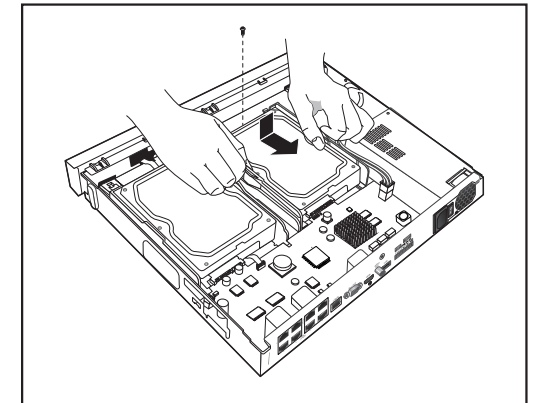
2. ブラケットの固定ネジを緩めボードの矢印の方向にスライドさせて外して下さい。



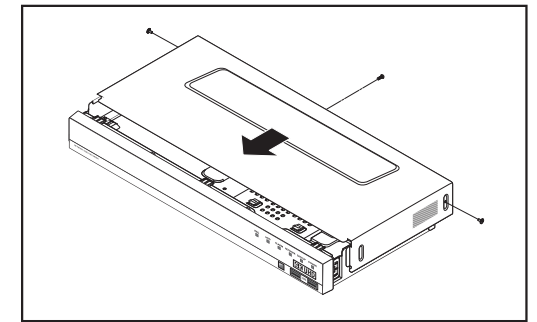
3. HDDブラケットとHDDの片側を先に合わせ差し込み、もう一方のブラケットを広げHDDを取り付けて下さい。
 - HDDブラケットに装着されたネジとHDDのネジ穴を合わせて入れて下さい。



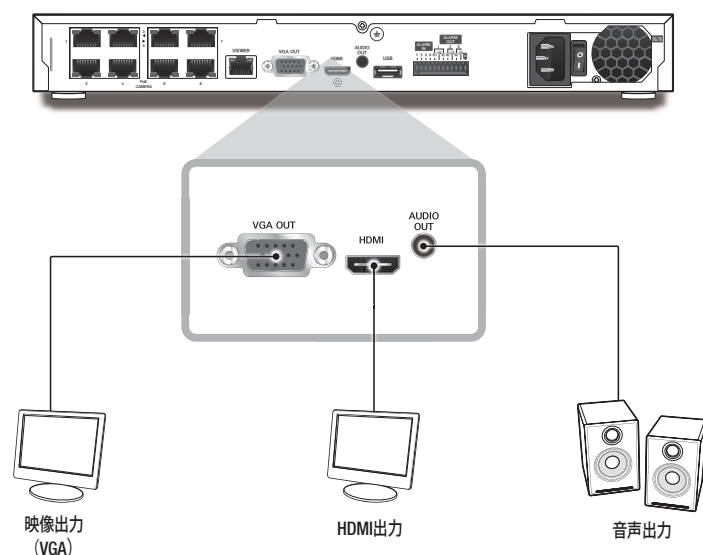
4. HDDが取り付けられたブラケットをスライドさせ、ネジで固定して下さい。



5. カバーを閉じ、ネジを利用して固定します。



外部デバイスへの接続

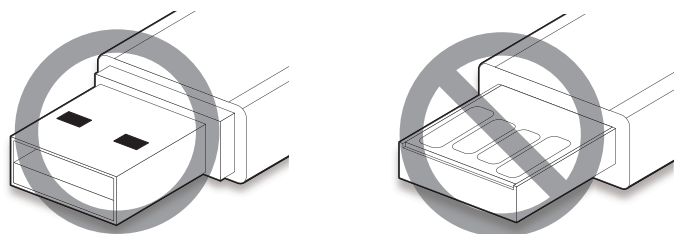


- ❗ 定格外または不適切な電源を使用するとシステムが損傷する場合があります。電源ボタンを押す前に、定格電源を使用していることを確認してください。

USBの接続

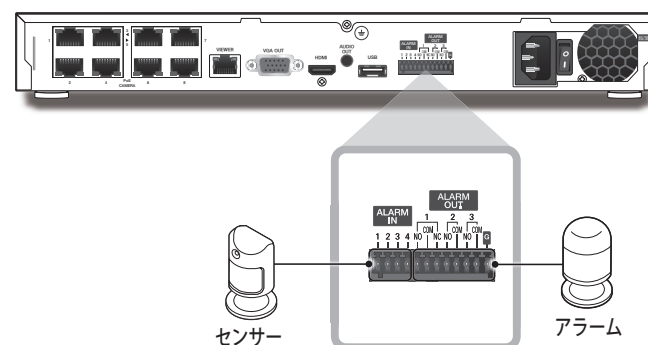
1. USB HDD、USBメモリーまたはマウスをUSBポートに接続することができます。
2. USB HDDがシステムに接続されている場合、Wisenet NVR説明書で「メニュー > デバイス > 記憶装置」で認識や設定することができます。
3. この製品にはホットプラグ機能がサポートされているため、システム動作中にUSBデバイスの接続と取外しが可能です。

- ❗
- バックアップ用度のUSBデバイスの場合NVRでフォーマットできない場合はPC上でFAT32でフォーマットしてください。
 - USBデバイスによっては互換性の問題で正常動作しない可能性がありますので、事前確認をお願いいたします。
 - 規格品（メタルカバータイプ）USBデバイス以外には動作保証は出来ません。
 - USBコネクタピンへの磨耗によってUSB信号の読取が悪くなる可能性があります。

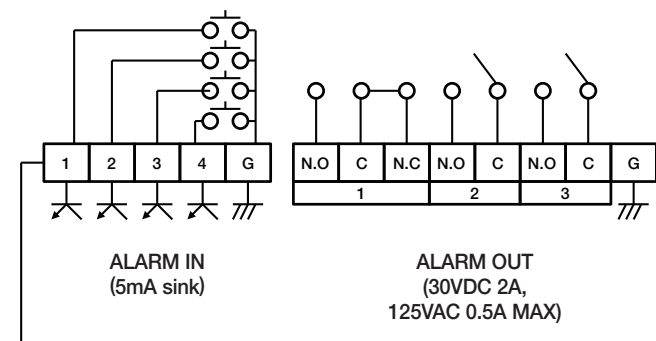


アラーム入力/出力の接続

背面のアラーム入力/出力ポートは、次のような構成になっています。



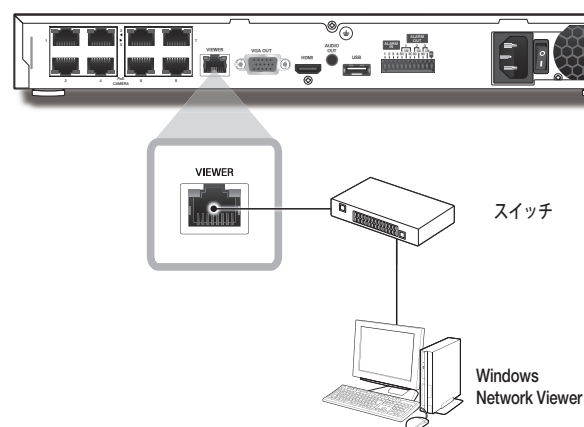
- ALARM IN 1～4 : アラーム入力ポート
- ALARM OUT 1～3 : アラーム出力ポート



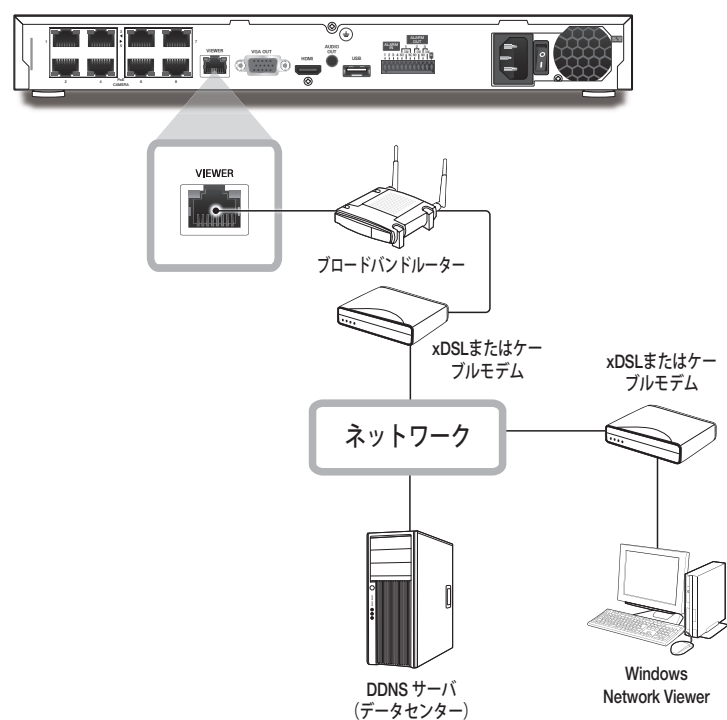
ネットワークへの接続

■ ネットワーク接続に関する詳細情報は、Wisenet NVR説明書で「ネットワーク設定」をご参照ください。

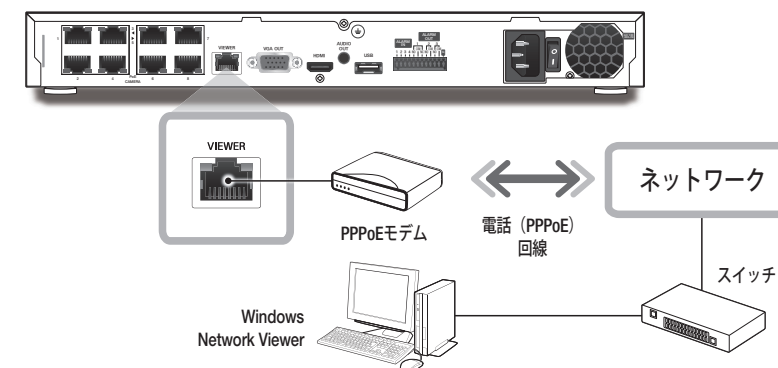
イーサネット（10/100/1000BaseT）によるネットワーク接続



ルーター経由のネットワーク接続

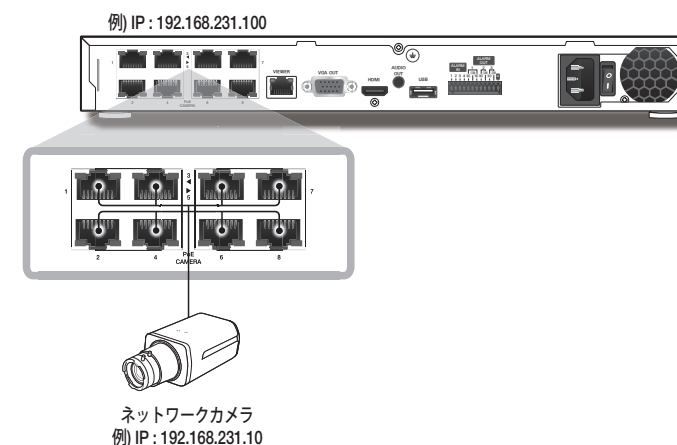


PPPoE経由のインターネットへの接続

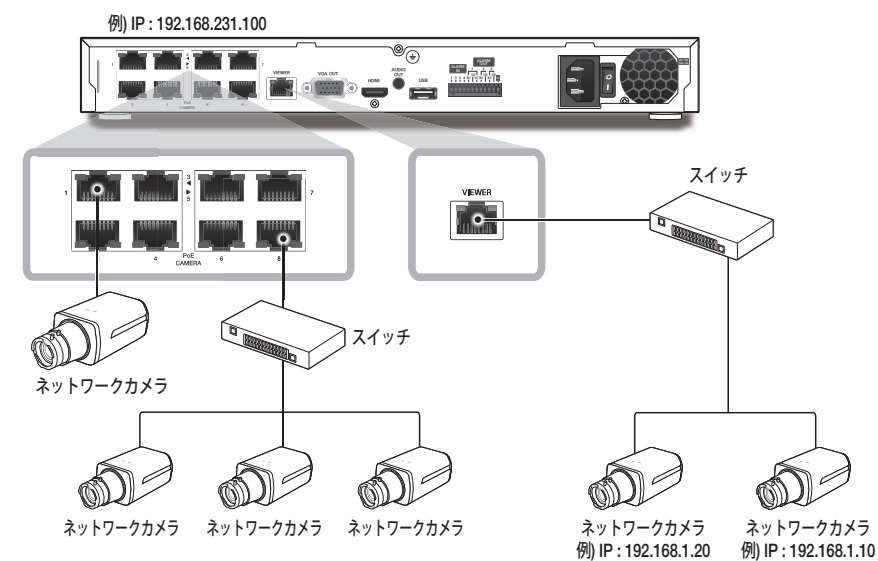


ネットワークカメラの接続

例 1)



例 2)



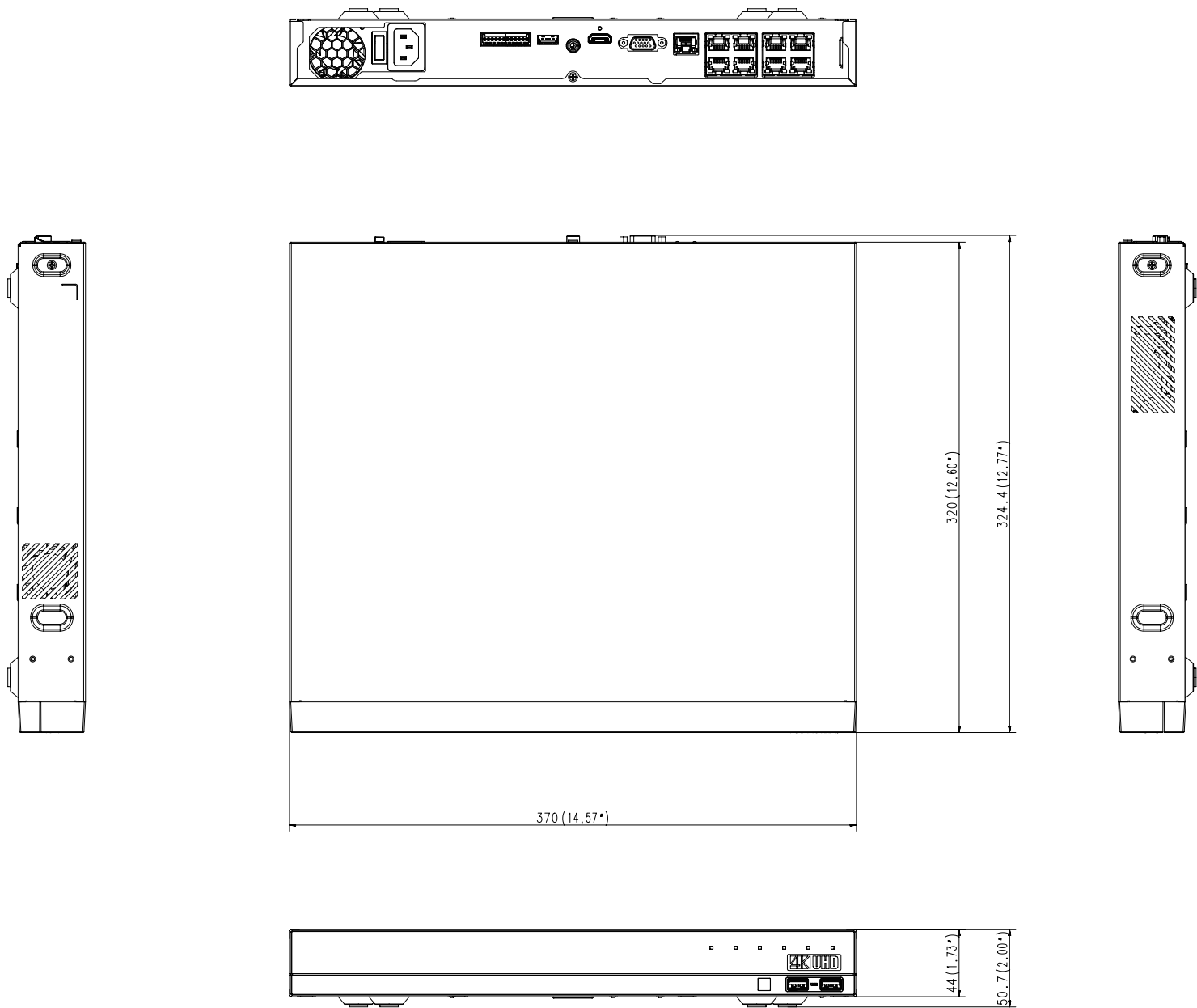
項目		詳細
ディスプレイ		
ネットワークカメラ	入力	最大8CH
	解像度	CIF ~ 8MP
	プロトコル	Wisenet、ONVIF
ライブ	モニター出力	1x HDMI / 1x VGA
	パフォーマンス	[ローカルモニター] 8MP(60fps) 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps) - Mjpeg以外については最大2MPまで可能
パフォーマンス		
オペレーティングシステム	組込み	Linux
録画	圧縮	H.265、H.264、MJPEG
	録画帯域幅	最大100Mbps
	解像度	CIF ~ 8MP
検索 & 再生	再生帯域幅	32Mbps (8CH同時)
	パフォーマンス	最大4ユーザー (ローカル 1, リモート 3)
	同時再生	最大8CH (ローカル, ネットワーク)
	解像度	CIF ~ 8MP
	再生コントロール	早/遅 送り/戻し、1ステップ前に移動/1ステップ後に移動
ストレージ	内蔵	0TB ~ 6TB - Seagate : ~ 4TB
	内部HDD	2 (最大 12TB)
	RAID	RAID-1

項目		詳細
バックアップ	ファイルタイプ	BU/Exe(USB), JPG/AVI(ウェブ, CMS)
	機能	マルチチャンネル (最大8CH) 再生、日時/タイトル表示
センサー	I/O	4/3 (NO 2EA, NO/NC 1EA)
音声	入力	8CH (ネットワーク)
	圧縮	G.711、G.726、AAC(16/48KHz)
	オーディオ通信	両方向
ネットワーク		
プロトコル		TCP/IP、UDP/IP、RTP (UDP)、RTP (TCP)、RTSP、NTP、HTTP、DHCP (サーバー、クライアント)、PPPoE、SMTP、ICMP、IGMP、ARP、DNS、DDNS、uPnP、HTTPS、SNMP、ONVIF (Profile-S)、SUNAPI(サーバー、クライアント)
DDNS		Hanwha DDNS
伝送帯域幅		128Mbps
最大リモートユーザー数		検索 (3) /ライブユニキャスト (10) /マルチキャスト (20)
IPバージョン		IPv4/v6
セキュリティ		ユーザーアクセスログ、IPフィルタリング、802.1x、暗号化
言語		英語、フランス語、ドイツ語、イタリア語、スペイン語、ロシア語、トルコ語、ポーランド語、オランダ語、スウェーデン語、チェコ語、ポルトガル語、デンマーク語、ルーマニア語、セルビア語、クロアチア語、ハンガリー語、ギリシャ語、ノルウェー語、フィンランド語、韓国語、中国語、日本語、タイ語
OS		Windows 7、8、10、Mac OS X 10.9. 10.10. 10.11
Webブラウザ		プラグインフリーWebビューア 対応ブラウザ：Google Chrome 47、MS Edge 20 プラグインWebビューア 対応ブラウザ：MS Explore 11、Apple Safari 9 * Mac OS X のみ
ビューアソフトウェア	タイプ	SSM、Webviewer、SmartViewer、Wisenet Mobile
	サポート	SDK/CGI (SUNAPI)

項目		詳細
機能		
カメラコントロール	PoE	1) PoE消費電力をモニター 2) PoEカメラごとにオン/オフをコントロール 3) PoEカメラごとにリモートリセット
簡単設定		設定ウィザード（言語、日付/時刻、ネットワーク、自動カメラ設定） P2P (QR コード)
ARB		はい
PTZ	制御	本体、ウェブビューアー経由、300プリセット
スマートフォン	対応モデル	Android、iOS
	プロトコルサポート	RTP、RTSP、HTTP、CGI（SUNAPI）
	コントロール	ライブ（8ch）：マルチプロファイルサポート 再生(4ch) イベントプッシュ
システム操作		マウス、ウェブ、IRリモコン
インジケータ/インターフェース		
前面	インジケータ	LED（ステータスインジケータ）：各6 電源（1）、HDD（1）、アラーム（1）、録画（1）、ネットワーク（1）、 バックアップ（1）
コネクタ	VGA	1EA
	HDMI	1EA - 最大4Kサポート (3840 x 2160)
	音声	出力（各1、RCA、ライン）
	イーサネット	■ 8EA (PoE/PoE+, 100Mbps) ■ 1EA (WAN, 1Gbps) - WAN：CMSにアップリンク
	アラーム	入力 (各4, ターミナルブロック) 出力 (各3, ターミナルブロック)
	USB	前面 2EA(USB2.0), 背面 1(USB3.0)
	リセット	スイッチ(各1)

項目		詳細
システム		
ログ	ログリスト	最大20000（システムログ、イベントログともに）
環境関連		
動作温度/湿度		+0°C ~ +40°C (+32°F ~ +104°F)
湿度		20% ~ 85% RH
電力関連		
電源入力		100 ~ 240 VAC ±10%
消費電力		最大 22W (75BTU, 4TB HDD x 各1)
PoE/バジェット		最大 100W
機械関連		
色/材質		ブラック/金属
寸法（WxHxD）		W370 x H44 x D320mm (14.57"X1.73"X12.6") (1U)
質量		3.1kg (4T HDD)

單位 : mm



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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
- **MPL 1.1:** npapi-sdk
- **BSD 2-Clause License:** FreeBSD
- **BSD 3-Clause License:** minipnp-1.5-ppc, net-snmp-5.6.2.1, ppp-2.4.5, jquery.sha256, jsbn, libjpeg-turbo, lighttpd, msinttypes, requires, spherall++, printf 0.7, System-Verilog-Packet-Library, Text OpenGL Extension Wrangler Library 1.7.0
- **MIT License:** aptechcmv2, avropendous, cJSON, cJSON-Dave Gamble, dynatree, javascript-ipv6, jqGrid, JQuery UI, jquery-form, jquery-hashchange, jquery-json, jquery-numeric, jquery-throttle-debounce 1.1, JS-Browser-Driver, moon9, noty, Raphael JavaScript Library, wilflower 1.3.Beta
- **libxml2 License:** libxml2 2.7.7
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- **Microsoft Public License:** Minima, Text Designer Outline Text Library
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- **Acknowledgement:** This product includes modified version of ffmpeg, Live555, qtopia4.7.2 and npapi-sdk.

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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]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
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- http://www4.informatik.uni-erlangen.de/kardel
- mailto:Frank.Kardel@informatik.uni-erlangen.de
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- 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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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
