

WISENET

ネットワークカメラ

ユーザーマニュアル

QND-8010R/8020R/8030R/8080R

QNV-8010R/8020R/8030R/8080R

QNO-8010R/8020R/8030R/8080R



ネットワークカメラ ユーザーマニュアル

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- ❖ 設計および仕様は予告なく変更する場合があります。
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重要な安全ガイド

1. 本書の説明をよく読んで下さい。
2. 本書の指示を守ってください。
3. 全ての警告を留意してください。
4. 全ての指示に従って下さい。
5. 本機を水の傍で使用しないで下さい。
6. 柔らかく乾いた布が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。)
7. どの換気孔も塞がないようにして下さい。メーカーの指示に従って取り付けして下さい。
8. ラジエーター、熱レジスタ、あるいは熱を発するその他の装置（アンプを含む）などの熱源の傍に設置しないで下さい。
9. 分極タイプあるいは接地タイプのプラグの安全目的を必ず守ってください。分極プラグには一方が他方より幅広い2本の足が付きます。接地プラグには2本の足とアース（接地）差込み先が付いています。2本の平たい足あるいは3本めの差込み先はユーザーの安全のために付いています。提供されたプラグがお使いのコンセントに合わない場合には、旧式のコンセントの交換について電気技師にご相談下さい。
10. 特にプラグ、ソケット、機器との接点でコードが踏まれたり引っ張られたりしないよう電源コードを保護してください。
11. メーカーが指定する付属品のみを使用してください。
12. カート、スタンド、三脚、ブラケットはメーカー指定のもの、あるいは製品と一緒に販売されたもののみを使用してください。カートを使用する場合、カートと製品を動かす際には転倒による損傷に注意してください。
13. 雷雨のときまたは長期間使用しない場合は、製品の電源プラグを抜いてください。
14. 全ての修理は資格のあるサービス・スタッフに任せて下さい。修理は電源コードあるいはプラグの損傷、液体をこぼした、または物体を機器内に落としてしまった、機器を雨や湿度にさらしてしまった、正常に機能しない、あるいは機能の低下など、様々な原因で機器が損傷した場合に必要となります。
15. この製品は「2等級」や「LPS」表示があります。そしてPoE(48V)、0.16A定格で登録された電源供給デバイスで電源を供給する仕組みです。(QNO-8010R/8020R/8030R)
16. この製品は「2等級」や「LPS」表示があります。そしてPoE(48V)、0.2A定格で登録された電源供給デバイスで電源を供給する仕組みです。(QNO-8080R)
17. この製品は「2等級」や「LPS」表示があります。そしてPoE(48V)、0.14A定格で登録された電源供給デバイスで電源を供給する仕組みです。(QND-8020R/8030R)
18. この製品は「2等級」や「LPS」表示があります。そしてPoE(48V)、0.15A定格で登録された電源供給デバイスで電源を供給する仕組みです。(QNV-8020R/8030R)
19. この製品は「2等級」や「LPS」表示があります。そしてPoE(48V)、0.16A定格で登録された電源供給デバイスで電源を供給する仕組みです。(QND-8010R/QNV-8010R)
20. この製品は「2等級」や「LPS」表示があります。そしてPoE(48V)、0.19A定格で登録された電源供給デバイスで電源を供給する仕組みです。(QND-8080R/QNV-8080R)
21. 本製品接続の外部電源は、絶縁電源を使用してください。
22. 製品取り付け時に力を入れ過ぎると、カメラが損傷し、誤作動を起こす場合があります。適切なツールを使用して製品を力まかせに取り付けると、カメラが損傷する場合があります。
23. 化学物質やオイルミストが存在する、または生成される可能性のある場所には製品を取り付けしないでください。大豆油のような食用油によって製品が損傷を受けたりゆがんだりするため、キッチンやキッチンテール付近には製品を取り付けしないでください。製品に損傷を与える原因となります。



24. 製品を取り付ける場合、製品表面が化学物質で汚染されないように注意してください。クリーナーや接着剤のような化学溶剤は、製品表面に深刻な損傷を与える原因となります。
25. 推奨されない方法で製品を取り付け/取り外した場合、製品の機能/性能は保証できません。ユーザーマニュアルの「取付けと接続」を参照して製品を取付けます。
26. 水中での製品の取付けや使用は、製品への深刻な損傷の原因となります。
27. 急激な温度変化が発生する場合、ドーム内部に霧が発生することありますが、映像には問題ありません。

警告

火災または感電防止のため、この装置を雨または湿気にさらさないでください。本製品の換気グリルまたはその他の開口部から金属製物質を差し込まないでください。

製品に液体をこぼしたりかけたりせず、また花瓶のように液体が入った物体を製品の上に載せたりしないでください。

損傷を防止するため、本製品を設置説明に従って壁/天井にしっかりと取り付けてください。

注意

	注意 感電の危険がありますので開けないで下さい	
注意: 感電の恐れがありますので裏カバーは開けないで下さい。 如何なる場合にも本品の分解や改造を行わないで下さい。 資格のあるサービス・スタッフにお問い合わせ下さい。		

グラフィック記号の説明



正三角形内の稲妻型の矢印は、本製品の筐体に人が感電する恐れのある"高圧電流"が存在することを、ユーザーに警告するものです。



正三角形内の感嘆符は、製品の操作およびメンテナンス（修理）に関する重要な付属説明書があることをユーザーに知らせるものです。

クラス I 構造

クラス I 構造を持つ装置は保護接地接続のある本線ソケットに接続してください。

バッテリー

電源 (バッテリーパックまたは取り付けた状態のバッテリー) は直射日光の当る場所や、熱器具の近くには置かないでください。

バッテリーは交換できません。

デバイスの切断

問題がある場合は、装置からメインプラグを抜きます。次にお住まいの地域の修理会社に電話してください。

米国外では、認証機関が採用している取付け金具用の HAR コードが使用される場合があります。

注意

電池を間違ったタイプと交換すると爆発の危険性があります。指示に従って使用済み電池を処分してください。

これらの保守説明書は、資格のあるサービススタッフのみが使用するものです。感電の危険性を低減するために、資格がある場合を除き操作説明書に含まれていない修理は行わないでください。

入力電源は1台のカメラにのみ使用し、他のデバイスを接続しないでください。

ITEは、外部の施設ヘルレーティングなしで、PoEネットワークのみに接続することになっています。

次に示す安全のための推奨注意事項を熟読してください。

- 本製品は平らな場所に置いてください。
- 直射日光の当たる場所、暖房設備または低温区域の近くには取付けしないでください。
- 本製品を導電性の高い物体の近くに置かないでください。
- 本製品は自分で修理しないでください。
- 本製品の上に水の入ったコップを置かないでください。
- 磁気源のそばに取付けしないでください。
- 換気口は塞がないようにしてください。
- 本製品の上に重いものを置かないでください。
- カメラを取り付ける/取り外すときは、保護手袋を着用してください。製品表面は高温になるため、やけどの原因となる場合があります。

ユーザーマニュアルは、本製品の使用方法に関するガイドブックです。

このマニュアルで使用する用語の意味を次に示します。

- 参照: 製品の使用方法についてのヘルプ情報を示す場合。
 - 注意: 指示に従わないことで、ものや人に損害が発生する可能性がある場合。
- ※ 製品を使用する前に安全のためこのマニュアルを読み、大切に保管しておいてください。

警告

IR LEDによる損傷防止のために動作ランプを見ないでください。

下記の型名のみです。

QND-8010R/8020R/8030R/8080R
QNV-8010R/8020R/8030R/8080R
QNO-8010R/8020R/8030R/8080R

危険グループ1
警告該当製品では、IRが放出されます。 動作ランプを見ないでください。
IEC 62471テストをパスした製品です。

製品の特徴

- **防塵/防水 (IP66) (QNV-8010R/8020R/8030R/8080R, QNO-8010R/8020R/8030R/8080R)**
防塵および防水仕様になっているため、製品を戸外に設置したり、雨に曝されたりしても安心です。
- **IRモード**
IRインジケータがオンの場合、被写体が明るくなりすぎないようにIRモードに切り替わり、近くの被写体の識別が容易になります。
- **5メガピクセルビデオサポート**
- **マルチストリーミング**
このネットワークカメラは、複数のCODECを使用して解像度と画質が異なる映像を同時に表示することができます。
- **Webブラウザベースの監視**
ローカルネットワーク環境で、インターネットWebブラウザを使用して画像を表示します。
- **アラーム**
イベントが発生するとき、ビデオ映像がユーザーの登録したEメールアドレスへ送信され、FTPサーバーへ送信され、マイクロSDカード又はNASに保存されるか、又は、信号がアラーム出力端末へ送信されるかのどちらかです。
- **改ざん検知**
ビデオ監視に対して改ざんしようとする検知します。
- **焦点ぼけ検知機能**
カメラレンズの焦点ぼけを検出します。
- **モーション検知**
カメラのビデオ入力からモーションを検知します。
- **切断したネットワークの自動検出**
イベントをトリガーする前にネットワーク切断を検知します。
- **ONVIFに準拠**
この製品はONVIFプロファイルS&Gをサポートしています。
www.onvif.orgを参照してください。



お奨めする PC 仕様

- CPU : Intel(R) Core(TM) i7 3.4 GHz以降
 - RAM : 8GB以上
 - 対応OS : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14
 - 推奨するブラウザ : Google Chrome
 - サポートするブラウザ : MS Explore11, MS Edge, Mozilla Firefox(Window 64bitのみ), Apple Safari(Mac OS Xでのみサポート)
 - VGA : PCIeをサポートする256MB以上のビデオGDDR3以上のメモリをサポートするグラフィックカード
- ※ 確認済みのOSとブラウザに関する詳細情報は、付録を参照してください。

推奨マイクロSD/SDHC/SDXCメモ리카ード仕様

- 推奨容量 : 推奨容量 : 16GB~128GBMLCタイプ)
- 推奨製造会社 : SanDisk, Transcend
- 製品群 : High endurance
- カードの製造会社別/タイプ別の互換性は異なる場合があります。

NAS推奨仕様

- 推奨容量 : 200GB又はそれ以上を推奨します。
- 同時アクセス : NAS1台で最大16台のカメラ接続を受けられます。
- このカメラのために、NASを以下の製造仕様で利用することを推奨します。

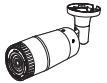
推奨製品	入手可能なサイズ
QNAP NAS	最大16台のカメラが同時にアクセスできます。
Synology NAS	最大16台のカメラが同時にアクセスできます。

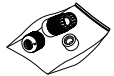


- NAS装置をビデオ映像の保存以外の目的で使用する場合、利用できるカメラの数は減る場合があります。

キット内容

製品/パッケージに、カメラと付属品がすべて同梱されていることをご確認ください。
(販売国ごとに付属品が異なるため。)

外観	品目名	数量	説明	モデル名
	カメラ	1		QND-8010R/8020R/ 8030R/8080R
		1		QNO-8010R/8020R/ 8030R/8080R
		1		QNV-8010R/8020R/ 8030R/8080R
	クイックガイド (オプション)	1		QND-8010R/8020R/ 8030R/8080R, QNV-8010R/8020R/ 8030R/8080R, QNO-8010R/8020R/ 8030R/8080R
	保証書 (オプション)	1		QND-8010R/8020R/ 8030R/8080R, QNV-8010R/8020R/ 8030R/8080R, QNO-8010R/8020R/ 8030R/8080R
	テンプレート	1	製品設置ガイド	QND-8010R/8020R/ 8030R/8080R, QNV-8010R/8020R/ 8030R/8080R, QNO-8010R/8020R/ 8030R/8080R
	L型レンチ	1	カメラの方向を操作するために使用	QNO-8010R/8020R/ 8030R/8080R,
	Lレンチ(星型)	1	ドーム型カバーを取り外し、交換するために使用	QNV-8010R/8020R/ 8030R/8080R,

外観	品目名	数量	説明	モデル名
	アラームケーブル	1	アラームに接続するときに使用	QND-8010R/8020R/ 8030R/8080R
	アラームケーブル	1	アラームに接続するときに使用	QNV-8010R/8020R/ 8030R/8080R
	RJ45防水アクセサリ	1	湿気のある場所に取り付けるために使用	QNO-8010R/8020R/ 8030R/8080R
	日除け	1	カメラを直射日光から保護します	QNO-8010R/8020R/ 8030R/8080R
	日除け留め	1	日除けをカメラに固定します	QNO-8010R/8020R/ 8030R/8080R
	カード型吸湿剤	3	取り付け時に貼りつけます。	QNO-8010R/8020R/ 8030R
		1		QNV-8010R/8020R/ 8030R/8080R
	テストモニターケーブル	1	ポータブルディスプレイデバイスとカメラとの接続をテストするために使用します	QND-8010R/8020R/ 8030R/8080R, QNV-8010R/8020R/ 8030R/8080R, QNO-8010R/8020R/ 8030R/8080R

概要

外観	品目名	数量	説明	モデル名
	ケーブルブッシュ	1	LANケーブル接続時使用	QNV-8010R/8020R/ 8030R/8080R
	キャップインストーラー	1		

設置のためのオプション付属品

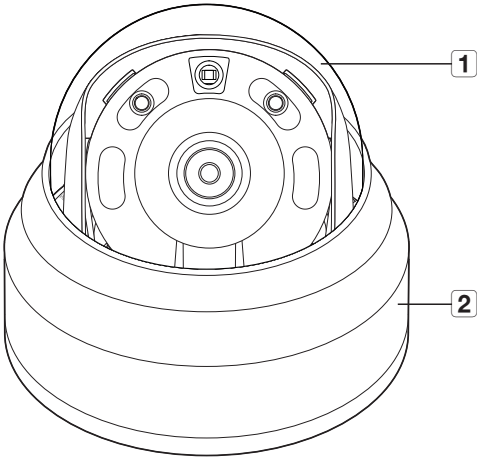
設置を容易にするため、適切なオプション付属品を購入できます。



型名	フック型マウント	バック・ボックス	ボール型マウント	共通
QNV-8010R/8020R/8030R	SBP-122HMMW	SBV-120GW		SBP-300LMW (パラペット型マウント)
QNV-8080R	SBP-301HMMW2	SBV-136BW		SBP-300CMW (シーリングマウント)
QND-8010R/8020R/8030R	SBP-300HMMW7			SBP-300WMW1 (壁マウント)
QND-8080R	SBP-122HMMW			SBP-300NBW (設置用ボックス)
QNO-8010R/8020R/ 8030R/8080R		SBO-100B1	SBP-302PM	SBP-300PMW (ボール型マウント)
QNO-8080R		SBO-126B		SBP-300KMW (コーナー型マウント)

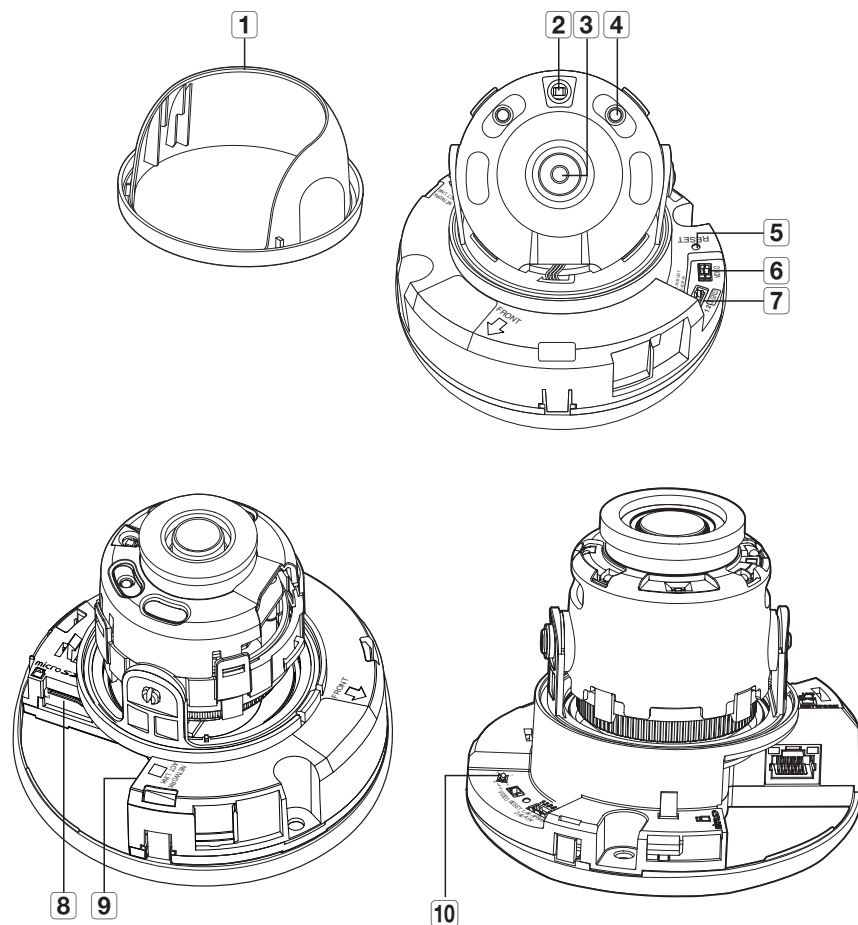
概観 (QND-8010R/8020R/8030R/8080R)

外観



項目	説明
1 ドームカバー	レンズとメインユニットの保護に使用するケースカバー。
2 カメラケース	カメラ本体を保護するハウジング部分。

部品

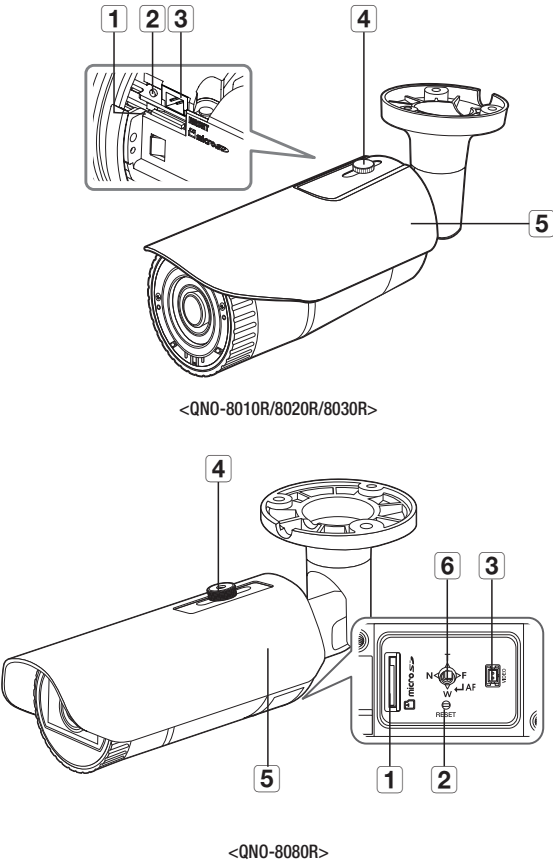


<QND-8080R>

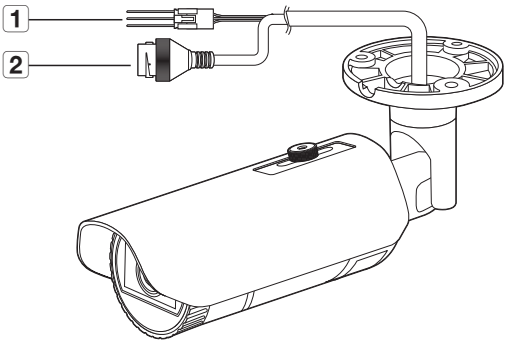
項目	説明	
1 内部カバー	本体用の保護カバー。	
2 照度センサー	入射光を検知して、赤外線LEDを制御します。	
3 レンズ	カメラのレンズ。	
4 赤外線LED	これらの赤外線LEDは照度センサーによって制御されます。 (LEDカウントは、型名別に異なる場合があります。)	
5 リセット・ボタン	すべてのカメラ設定を工場出荷時のデフォルトに復元します。 約5秒間押し続けてシステムを再起動します。 ■ カメラをリセットすると、DHCPを有効化されるようにネットワーク設定が調整されます。 ネットワーク内にDHCPサーバーがない場合、ネットワークに接続する前に、IPインストールプログラムを実行して、IPアドレス、サブネットマスク、ゲートウェイなどの基本的なネットワーク設定を変更する必要があります。	
6 テストモニター出力	ビデオ出力のテスト監視用出力ポートです。テストモニターケーブルを使用して、モバイルディスプレイに接続し、テストビデオをチェックします。	
7 アラーム入出力ポート	ARM-OUT	アラーム出力信号の接続に使用します。
	ARM-IN	アラーム入力センサーや外部デイ/ナイトセンサーを接続するために使用します。
	GND	アラーム入力/出力信号を接続する共通ポートがあります。
8 マイクロSDメモ리카ードの区画	マイクロSDメモ리카ードの区画。	
9 PoEコネクタ	ネットワークに接続し、イーサネットケーブル経由で電源を供給します。	
10 ズーム/フォーカスコントロールボタン	T	ズームイン(望遠)
	W	ズームアウト(広角)
	N	近くのオブジェクト(Near)に焦点を当てる
	F	遠いオブジェクト(Far)に焦点を当てる
	焦点制御	オートフォーカス制御設定は、このボタンを押します。

概観 (QNO-8010R/8020R/8030R/8080R)

外観



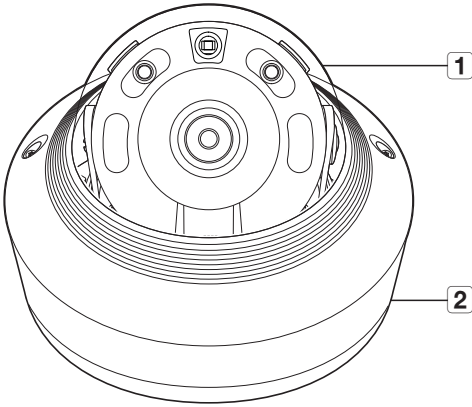
項目	説明
1 MicroSDカードスロット	(製品の内部空間) MicroSDカードを挿入できるスロットです。
2 リセット・ボタン	すべてのカメラ設定を工場出荷時のデフォルトに復元します。 約5秒間押し続けてシステムを再起動します。 ■ カメラをリセットすると、DHCPを有効化されるようにネットワーク設定が調整されます。ネットワーク内にDHCPサーバーがない場合、ネットワークに接続する前に、IPインストーラプログラムを実行して、IPアドレス、サブネットマスク、ゲートウェイなどの基本的なネットワーク設定を変更する必要があります。
3 テストモニター出力	ビデオ出力のテスト監視用出力ポートです。テストモニターケーブルを使用して、モバイルディスプレイに接続し、テストビデオをチェックします。
4 日除け留め	日除けをカメラに固定します。
5 日除け	カメラを直射日光から保護します。
6 ズーム/フォーカスコントロールボタン	T ズームイン (望遠)
	W ズームアウト (広角)
	N 近くのオブジェクト (Near) に焦点を当てる
	F 遠いオブジェクト (Far) に焦点を当てる
	焦点制御 オートフォーカス制御設定は、このボタンを押します。



項目		説明
1	アラーム入出力ポート	ARM-OUT アラーム出力信号の接続に使用します。
		ARM-IN アラーム入力センサーや外部デイ/ナイトセンサーを接続するために使用します。
		GND アラーム入力/出力信号を接続する共通ポートがあります。
2	PoEコネクタ	ネットワークに接続し、イーサネットケーブル経由で電源を供給します。

概観 (QNV-8010R/8020R/8030R/8080R)

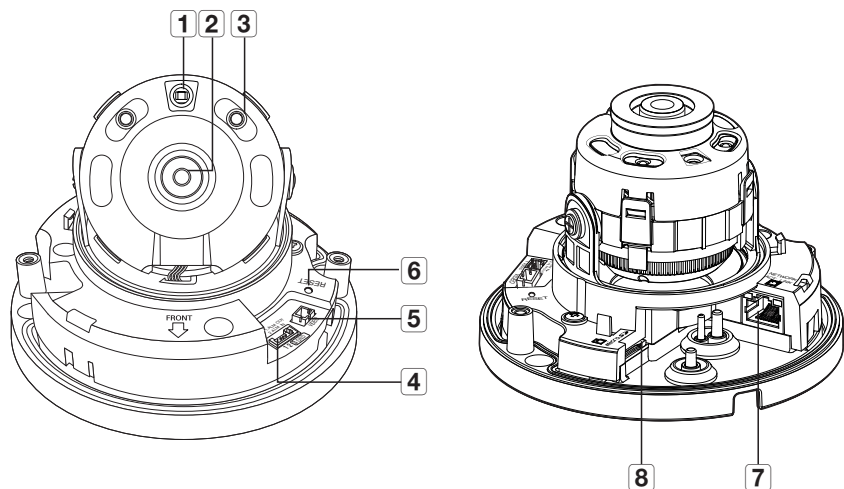
外観



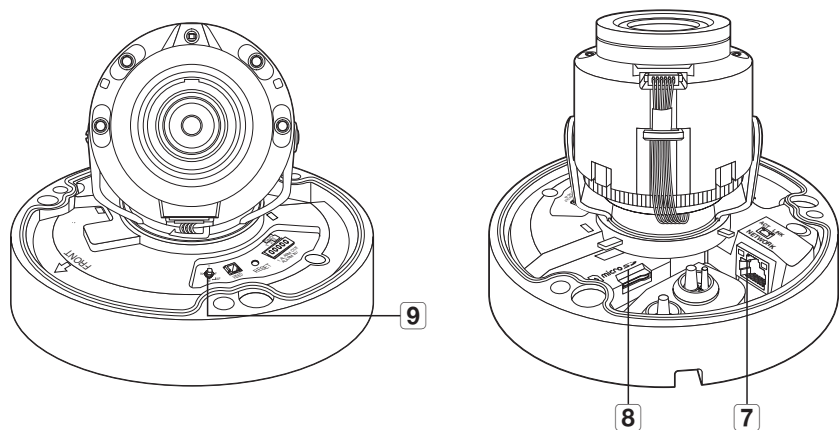
項目	説明
1	ドームカバー レンズとメインユニットの保護に使用するケースカバー。
2	カメラケース カメラ本体を保護するハウジング部分。

概要

部品



<QNV-8010R/8020R/8030R>



<QNV-8080R>

項目	説明	
1 照度センサー	入射光を検知して、赤外線LEDを制御します。	
2 レンズ	カメラのレンズ。	
3 赤外線LED	これらの赤外線LEDは照度センサーによって制御されます。 (LEDカウントは、型名別に異なる場合があります。)	
4 オーディオポート及アラームケーブルポート	ARM-OUT	アラーム出力信号の接続に使用します。
	ARM-IN	アラーム入力センサーや外部デイ/ナイトセンサーを接続するために使用します。
	GND	アラーム入力/出力信号を接続する共通ポートがあります。
5 テストモニター出力	ビデオ出力のテスト監視用出力ポートです。テストモニターケーブルを使用して、モバイルディスプレイに接続し、テストビデオをチェックします。	
6 リセット・ボタン	すべてのカメラ設定を工場出荷時のデフォルトに復元します。 約5秒間押し続けてシステムを再起動します。 ■ カメラをリセットすると、DHCPを有効化されるようにネットワーク設定が調整されます。ネットワーク内にDHCPサーバーがない場合、ネットワークに接続する前に、IPインストラプログラムを実行して、IPアドレス、サブネットマスク、ゲートウェイなどの基本的なネットワーク設定を変更する必要があります。	
7 PoEコネクタ	ネットワークに接続し、イーサネットケーブル経由で電源を供給します。	
8 マイクロSDメモ리카ードの区画	マイクロSDメモ리카ードの区画。	
9 ズーム/フォーカスコントロールボタン	T	ズームイン (望遠)
	W	ズームアウト (広角)
	N	近くのオブジェクト (Near) に焦点を当てる
	F	遠いオブジェクト (Far) に焦点を当てる
	焦点制御	オートフォーカス制御設定は、このボタンを押します。

取付けおよび接続

取付け (QND-8010R/8020R/8030R/8080R)

取付けに関する注意事項

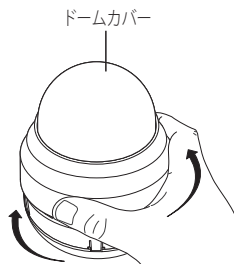
カメラを取り付ける前に、以下の指示をよく読んでください。

- 取付ブラケットを含むカメラの5倍の重量に耐えることができる場所（天井または壁）にインストールする必要があります。
- 引っかかっていたり、はがれたケーブルは製品の損傷または火災の原因となります。
- 安全のため、設置場所に人を近づけないでください。
また、万が一のため持ち物は取付け場所には置かないでください。

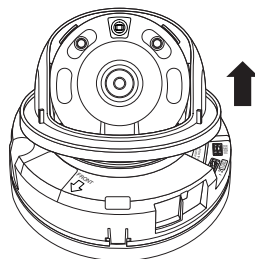
取外し

1. 片手でカメラの底部をおさえて、別の手で反時計回りにカバーを回し、取り外します。

- 保護フィルムを取り除いてから、ドームカバーの透明な部分を手で握らないでください。

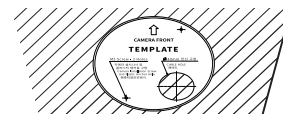


2. 内側のカバーを持ち上げて取り外します。



取付け

1. モニタリングを行う方向を念頭において、テンプレートを貼り付け、テンプレートに従って穴を開けます。

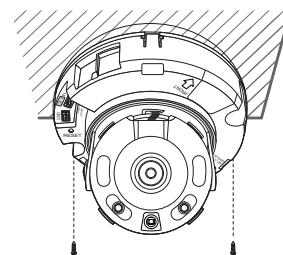


2. 二つのタッピングねじを使用してテンプレートで開いたホール2箇所にカメラを固定させてください。

- 刻印された<◀>マークがカメラの監視方向を向くようにセットします。

3. 対応するケーブルを用いカメラ内部の端末を接続します。

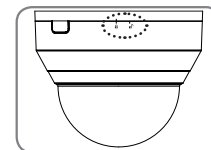
4. “カメラの監視方向の調整”セクションを参照してレンズを目的の方向に調整します。(17ページ)



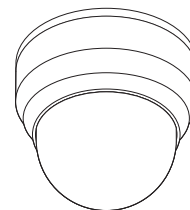
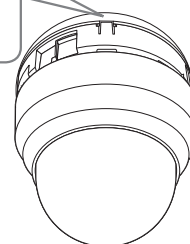
- カメラのレンズは製造の最終工程の段階で、適切な場所に焦点が合わせられているため、レンズには触れないようにしてください。もし触れてしまうと、レンズの焦点がずれるか、異物により汚れるおそれがあります。

5. 内側のカバーを本体に接続します。

6. カメラの底面を片手で取り、もう一方の手でカバーを持ち押ししてください。



- ドームカバーを組み立てる場合、と底面のガイド線を一致させた後、強く押して組み立ててください。ドームカバーを回転させ組み立てたり、正確に組み立てない場合、乱反射現象が発生したり、レンズ部分が回転し撮影範囲が変更されることがあります。
- 図に示すように、ドームカバーが正しく底部に接続されていることを確認します。スナップフィットが正しく接続されていないと、ドームカバーが倒れ、けがの原因になる場合があります。



取付けおよび接続

取付け (QNO-8010R/8020R/8030R/8080R)

- 本カメラは防水であり、IP66仕様に準拠していますが、外部ケーブルに接続されるジャックはそうではありません。ケーブルが外部に突出するのを防止するために軒先の下に本製品をインストールすることをお勧めします。

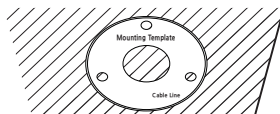
取付けに関する注意事項

カメラを取り付ける前に、以下の指示をよく読んでください。

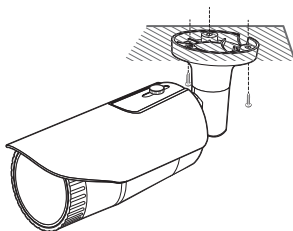
- 取付ブラケットを含むカメラの5倍の重量に耐えることができる場所（天井または壁）にインストールする必要があります。
- 引っかかっていたり、はがれたケーブルは製品の損傷または火災の原因となります。
- 安全のため、設置場所に人を近づけないでください。
また、万が一のため持ち物は取付け場所には置かないでください。
- サンシールド用ホールは、サンシールドを接続する以外の目的で使用してはなりません。

取付け

1. モニタリングを行う方向を念頭において、テンプレートを貼り付け、テンプレートに従って穴を開けます。



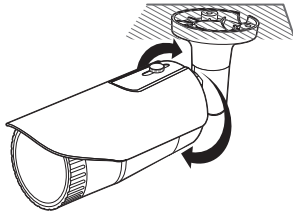
2. 3つのタッピングねじを使用してホール3箇所にカメラを固定させてください。



3. 適切なケーブルをカメラ端末に接続します。

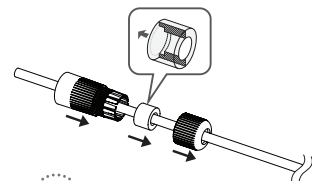
4. 付属のL型レンチを使用してカメラ方向を調節します。

- ブラケットを使用してカメラ位置を調整するとき、ブラケットねじを緩め、カメラを調節し、締め付けます。ねじが固定されている状態で力任せに調節しようとすると、傷がつく恐れがあります。

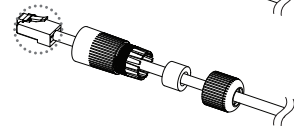


RJ45防水ケーブルをLANケーブルに接続する方法

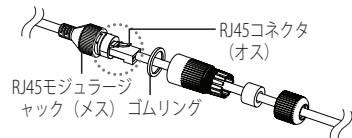
1. 矢印の方向に挿入します。



2. LANコネクタ (オス) をケーブルに接続します。

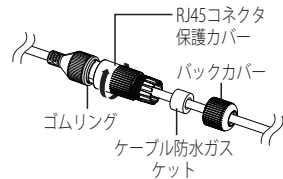


3. RJ45モジュージャック (メス) をRJ45コネクタ (オス) に接続します。



- 部品はそれぞれ分かれたままにしてください。

4. RJ45モジュージャック (メス) とRJ45保護カバーを時計回りに回転させて組み立てます (矢印に従う)。



5. RJ45保護カバーとバックカバーを時計回りに回転させて組み立てます (矢印に従う)。バックカバーを組み立てると、ケーブル防水ガスケットをケーブルにしっかり取り付けて防水します。



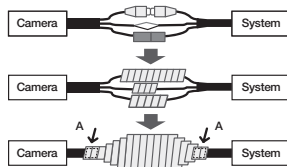
- これを完全に組み立て、RJ45コネクタのねじ山の端までバックカバーを回転させます。

屋外設置

建物の外に本製品を取り付ける際、屋外に接続されたケーブルとの隙間から水が漏入しないように、防水ブチルゴムテープ(店舗で購入することができます)を使って防水してください。

1. PoEケーブルを接続します。
2. 防水ブチルゴムテープの半分以上が重なるようにして黒のケーブルジャケット(エリアA)とケーブル接続箇所を巻きつけます。

- ケーブルジャケットが適切に防水加工されていない場合、それが直接漏れを引き起こす可能性があります。ケーブルをテープで何度も巻くことで保護するようにしてください。
- 防水ブチルテープはブチルゴムで作られており、通常の2倍の長さに伸ばすことができます。



取付け (QNV-8010R/8020R/8030R/8080R)

- 本カメラは防水であり、IP66仕様に準拠していますが、外部ケーブルに接続されるジャックはそうではありません。ケーブルが外部に突出するのを防止するために軒先の下に本製品をインストールすることをお勧めします。

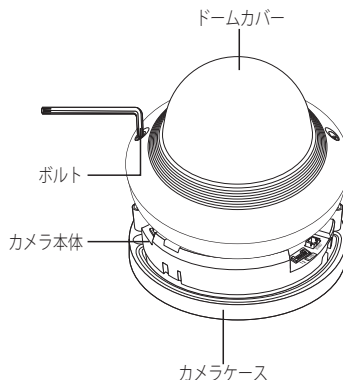
取付けに関する注意事項

カメラを取り付ける前に、以下の指示をよく読んでください。

- 取付ブラケットを含むカメラの5倍の重量に耐えることができる場所（天井または壁）にインストールする必要があります。
- 引っかかっていたり、はがれたケーブルは製品の損傷または火災の原因となります。
- 安全のため、設置場所に人を近づけないでください。
また、万が一のため持ち物は取付け場所には置かないでください。

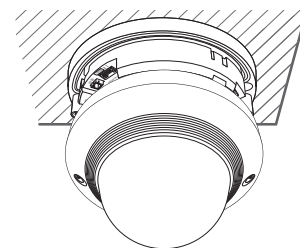
取外し

1. 付属のL型レンチを使用し、ドームカバーの締め付けボルト2つを反時計回りに回し、カバーを取り外します。



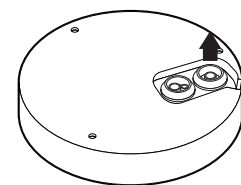
取付け

1. 付属品の型紙を使用し、ネジを通す穴（線径6mm、最小内幅55mm）をドリルで開け、付属品のプラスチックアンカーを端までしっかりと挿入します。
2. 下部の穴をアンカーの穴に固定し、タッピングネジ（M4.5xL50）を挿入して固定します。
3. 必要なケーブルを接続して、カメラ取付け時に損傷したりねじれないように配線します。
4. “カメラの監視方向の調整”セクションを参照してレンズを目的の方向に調整します。(17ページ)
5. ドーム型カバーを閉じてください。
 - L型レンチを使用し締め付けボルトを確実に締め、水漏れを防ぎます。

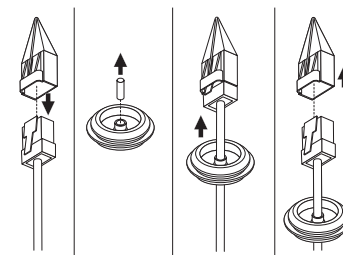


LANケーブルを接続する

1. ドーム型カバー及びケースを取り外してください。
 2. 図に示すように地面にあるケーブルブッシュを引っ張って取り除いてください。
- LANケーブルと接続するのに適切なケーブルブッシュを使用してください。
- 基本のカメラ: 直径5.0~6.5mmのケーブルを使用してください。

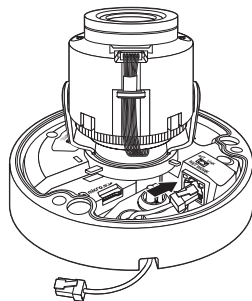


3. 提供された1ホールケーブルブッシュの突出部をはがしてください。
4. キャップインストーラーを使用してLANケーブルを通過させてください。

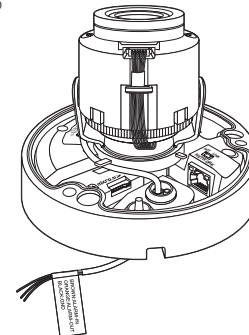


取付けおよび接続

- 2番でケーブルブッシュを取り除いてできたホールでLANケーブルを入れ、イーサネット端子に接続させてください。
- LANケーブルにあるブッシュをホールにはめてください。

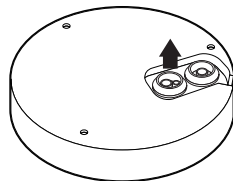


- カメラをインストールする場合、ケーブルが損傷されたり挟まらないように固定フックにかけてケーブルを整えてください。
- アラームケーブルにあるブッシュをホールにはめてください。
- “カメラの監視方向の調整”セクションを参照してレンズを目的の方向に調整します。(17ページ)
- ーム型カバーを取り付けてください。

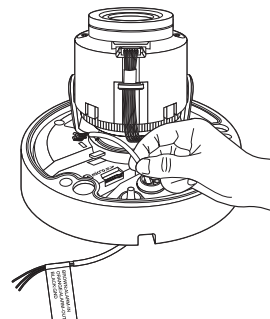


アラームケーブルの接続

- ドーム型カバー及びケースを取り外してください。
- 図に示すように地面にあるケーブルブッシュを引っ張って取り除いてください。

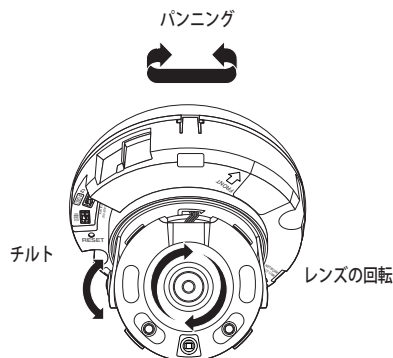


- 2番でケーブルブッシュを取り除いてできたホールでアラームケーブルを入れ、PCBのアラームターミナルブロックに接続させてください。



カメラの監視方向の調整

(QND-8010R/8020R/8030R/8080R, QNV-8010R/8020R/8030R/8080R)



■ 監視方向の調整

カメラが天井に固定されている場合にのみカメラの方向を調整できます。
この場合、カメラユニットを左右に回すことをパンニング、上下角度を調整することをチルト、軸を中心にレンズを回転することを回転と言います。

- パンニングの有効範囲は合計350度です。
- 回転の有効範囲は合計355度です。
- チルトの有効範囲は合計67度です。

- !**
- 角度によっては画像がカメラケースによって覆われることがあります。
 - ドームケースを分解した後、無理にフォーカス/ズームレンズを回転させないでください。
無理に回転すると、モーターが故障して焦点が合わなくなることがあります。

■ 調整方法

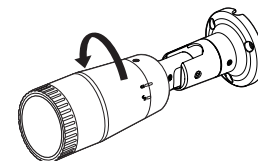
1. カメラを取り付けた後、監視方向に応じてパンニングの角度を調整します。
2. 画像が反転しないように水平角を設定します。
3. カメラが監視する被写体の方向を向くようにチルトの角度を調整します。

マイクロSDメモ리카ードの挿入/取出し

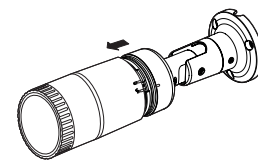
- !**
- マイクロSDメモ리카ードを挿入する前に、カメラの電源ケーブルを抜いてください。
 - 上下反対のままマイクロSDメモ리카ードを無理に挿入しないでください。
無理に差し込むと、マイクロSDメモ리카ードが破損する恐れがあります。
 - 雨あるいは高湿度の状態でもicroSDカードを挿入したり取り出したりすることは推奨されません。
 - 取り外した製品カバーは5分以内に戻す必要があります。そうしなかった場合、内部結露が起こるリスクがあります。

マイクロSDメモ리카ードの挿入 (QNO-8010R/8020R/8030R/8080R)

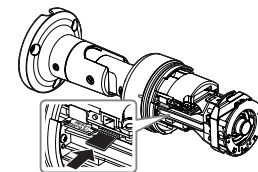
1. フロントカバーをアンロック [☞] 方向に回してください。



2. 前カバーを引き、取り外します。

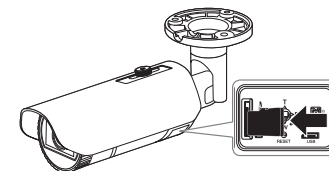


3. 図のように、MicroSDカードを矢印方向へ挿入します。



<QNO-8010R/8020R/8030R>

4. 図Cover Interfaceを開けてSDカードを矢印の方向に押し込んでください。

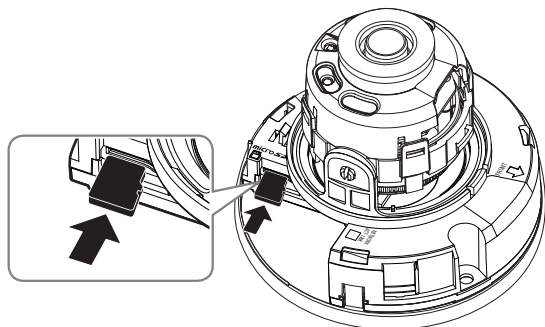


<QNO-8080R>

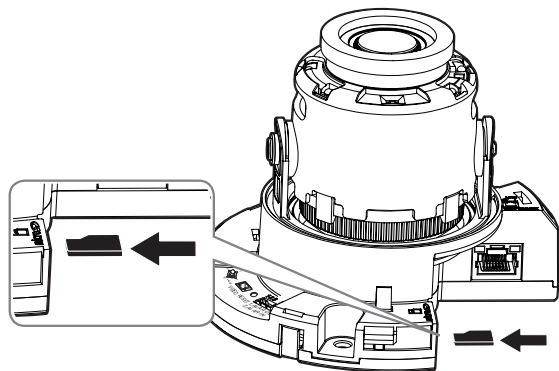
取付けおよび接続

マイクロSDメモ리카ードの挿入 (QND-8010R/8020R/8030R/8080R,
QNV-8010R/8020R/8030R/8080R)

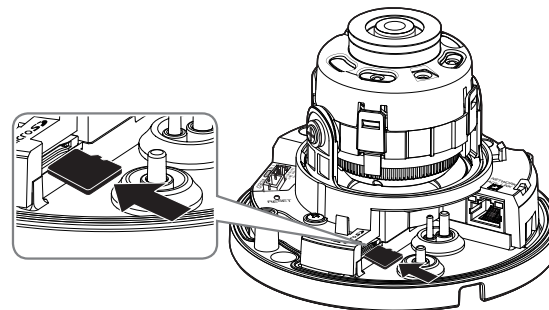
1. カメラのドームカバーを取り外します。
2. 図のように、MicroSDカードを矢印方向へ挿入します。



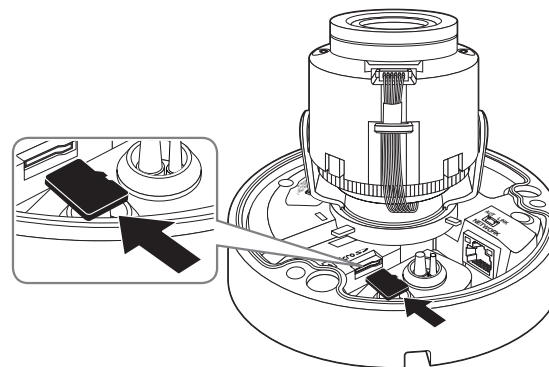
<QND-8010R/8020R/8030R>



<QND-8080R>



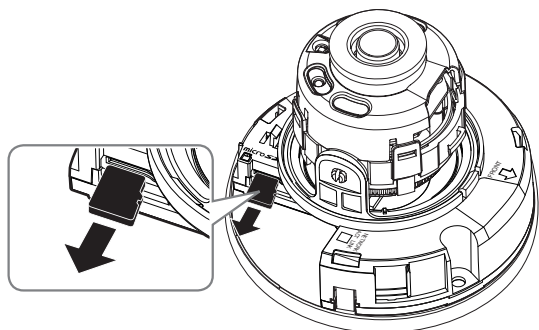
<QNV-8010R/8020R/8030R>



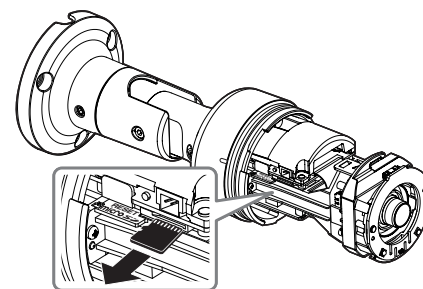
<QNV-8080R>

マイクロ SDメモ리카ードの取出し

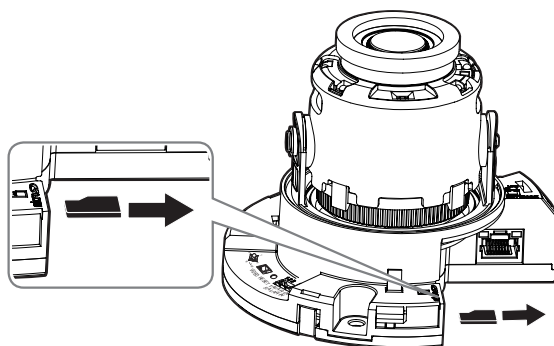
図に示されているように、メモ리카ードの露出部分を慎重に押して、スロットからメモ리카ードを取り出します。



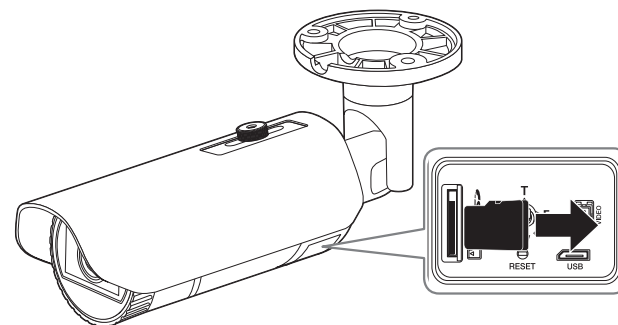
<QND-8010R/8020R/8030R>



<QNO-8010R/8020R/8030R>



<QND-8080R>

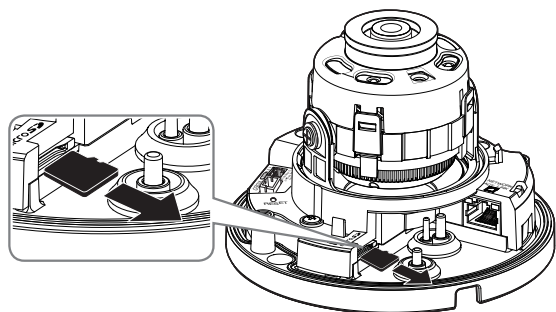


<QNO-8080R>

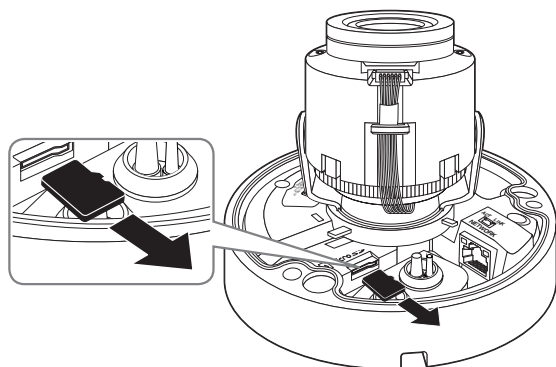
電源とネットワーク

PoEデバイスとカメラを接続します。

- PoE（パワー・オーバー・イーサネット）に接続すれば、ルーターのPoEコネクタが有効になります。
- IEEE802.3af規格をサポートするPoE(Power over Ethernet)機器を使用します。

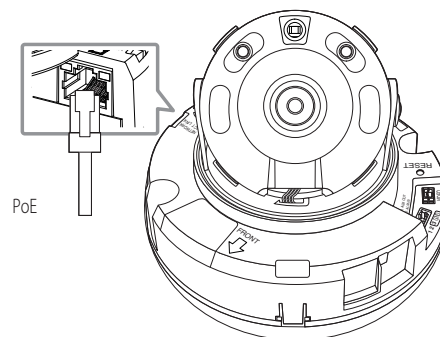


<QNV-8010R/8020R/8030R>

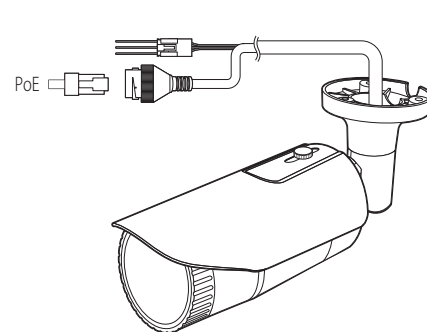


<QNV-8080R>

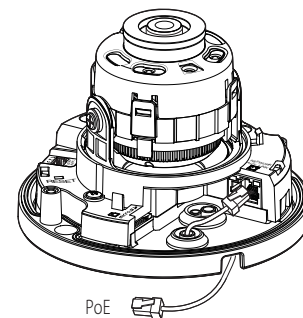
- マイクロ SDメモリーカードを強く押しすぎると、手を放したときに、カードがスロットから勢いよく飛び出す可能性があります。
- Micro SDメモリーカードを取り外す前に、<ストレージ>でデバイスを<Off>に設定し、[適用] ボタンを押してカメラをオフにします。
- カメラのスイッチを切るか、データの入っているマイクロ SDメモリーカードを製品から抜くと、データが失われるか、または損傷を受ける場合があります。



<QND-8010R/8020R/8030R>



<QNO-8010R/8020R/8030R>

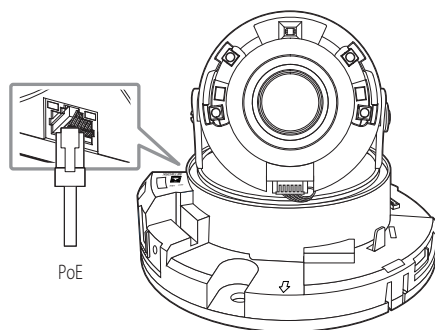


<QNV-8010R/8020R/8030R>

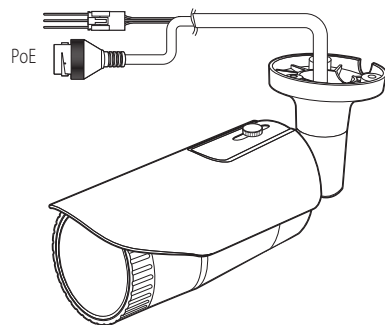
ネットワークケーブルの仕様

アイテム	コンテンツ	備考
コネクタ	RJ45	
イーサネット	10/100BASE-T	10/100 Mbps
ケーブル	カテゴリ 5e	
最大距離	100M	DC抵抗 $\leq 0.125 \Omega/\text{m}$
PoE サポート	IEEE 802.3af	

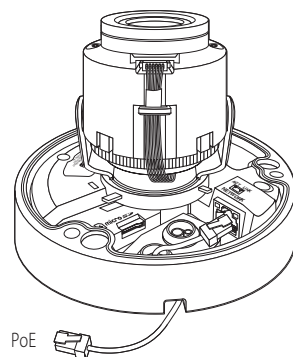
- カテゴリ5e標準以外のケーブルを使用する場合、100mの伝送距離は保証されません。



<QND-8080R>



<QNO-8080R>

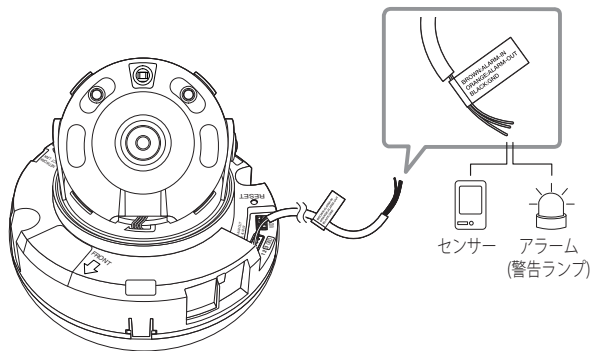


<QNV-8080R>

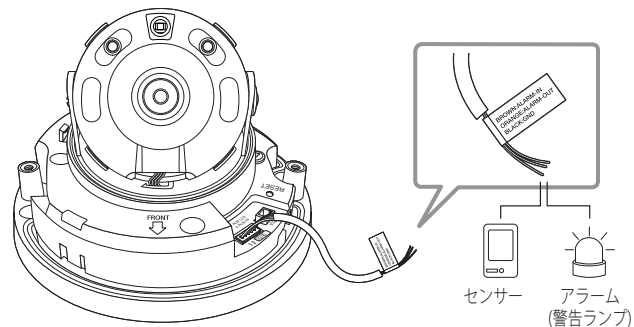
取付けおよび接続

I/Oポートボックスへの接続

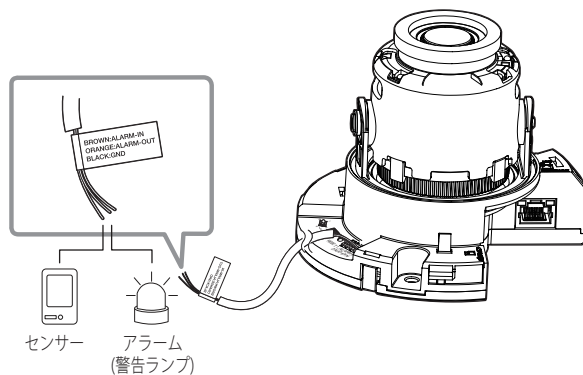
アラーム入・出ケーブルを、ポートボックスの対応する部分と接続してください。



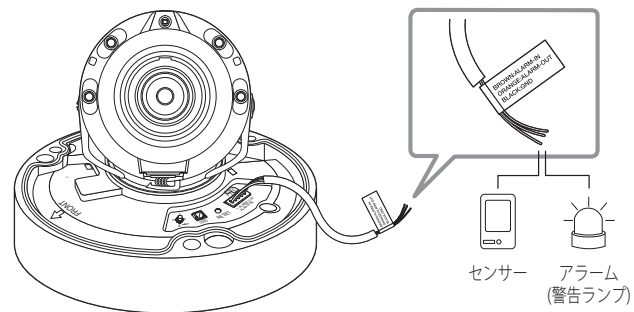
<QND-8010R/8020R/8030R>



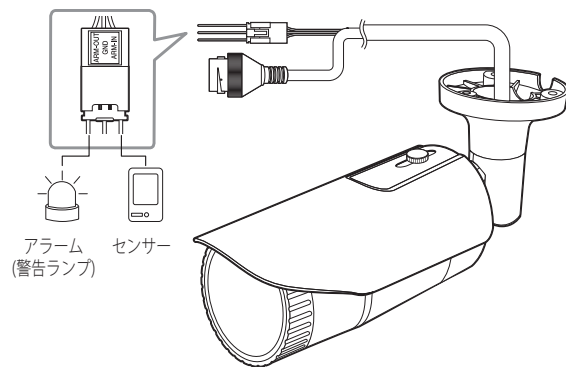
<QNV-8010R/8020R/8030R>



<QND-8080R>



<QNV-8080R>



<QNO-8010R/8020R/8030R/8080R>

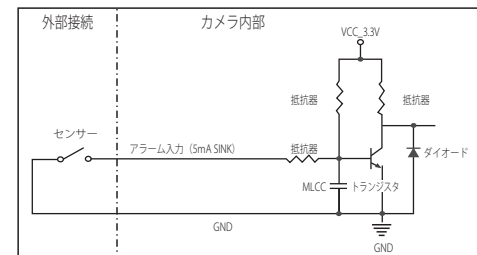
- ALARM-IN: アラーム入力センサーや外部デイ/ナイトセンサーを接続するために使用します。
- ALARM-OUT: アラーム出力信号の接続に使用します。
- GND: アラーム入出力信号用の共通ポートです。

! 電圧と電流が規格外のデバイス（例：閃光灯やサイレン）をオープンコレクタ方式で接続すると、故障の原因となる場合があります。
電圧と現在の仕様内容を上回っているデバイスを接続するときは、「アラーム出力配線図」を参照してください。

外部センサーの接続

センサーの各信号ライン（2つより）の一方を[ALARM IN]ポートに接続し、もう一方を[GND]ポートに接続します。

アラーム入力配線図

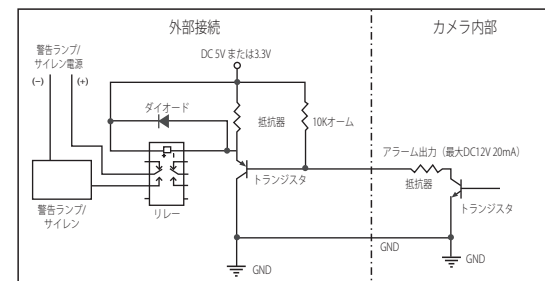


アラーム出力を接続するには

電圧と電流が規格外のデバイス（例：閃光灯やサイレン）をオープンコレクタ方式で接続すると、故障の原因となる場合があります。

電圧と電流が使用設定値を超えるデバイスを接続する場合は、以下のアラーム出力接続図を参照してください。

アラーム出力配線図



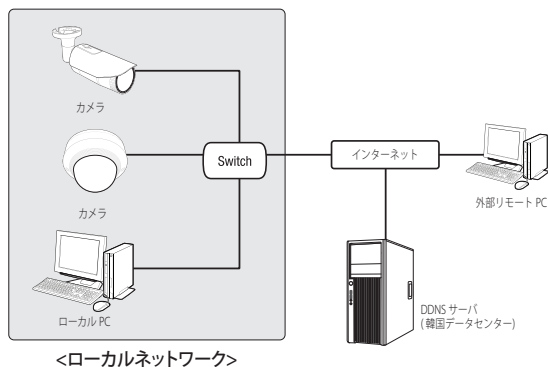
ネットワーク接続と設定

使用中のネットワーク環境に合わせてネットワークを設定することができます。

カメラを直接ローカルネットワークに接続する

LAN のローカル PC からカメラに接続する

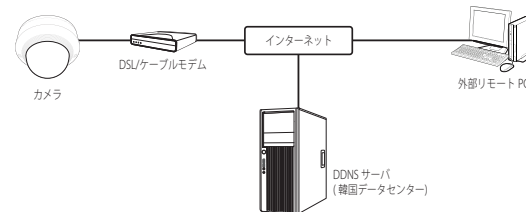
1. ローカル PC でインターネットブラウザを起動します。
2. ブラウザのアドレスバーにカメラの IP アドレスを入力します。



- LAN ネットワーク範囲外の外部インターネットのリモート PC は、ポート転送がきちんと設定されていない場合やファイアウォールが有効の場合には、設置済みカメラとインターネット接続ができない場合があります。この場合、ネットワーク管理者にお問い合わせください。
- IP インストーラでは、IP アドレス、サブネットマスク、ゲートウェイ、HTTP ポート、VNP ポート、IP 方式を設定するために、デフォルトパスワード、"4321"を御利用いただけます。ネットワークインターフェース変更後、セキュリティを向上させるため、ウェブビューアにアクセスしてパスワードを変更してください。
- 工場出荷時の設定で、IP アドレスが DHCP サーバーから自動的に割り当てられます。使用可能な DHCP サーバーがない場合、IP アドレスは 192.168.1.100 に設定されます。IP アドレスを変更するには IP インストーラを使用してください。IP インストーラの使用方法の詳細は、"静的 IP の設定"を参照してください。（25 ページ）

カメラを直接 DHCP ベースの DSL/ケーブルモデムに接続する

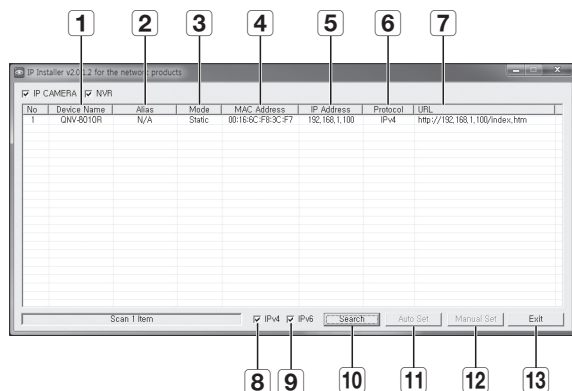
1. ユーザの PC をネットワークカメラに直接接続します。



2. IP インストーラを実行してカメラの IP アドレスを変更し、デスクトップ上で Web ブラウザを使用してインターネットと接続できるようにします。
3. インターネットブラウザを使用して Web Viewer と接続します。
4. [設定] ページに移動します。
5. [ネットワーク] - [DDNS] に移動し、DDNS の設定を行います。
6. [Basic] - [IP & ポート] へ移動し、IP 方式を [DHCP] に設定します。
7. PC から取り外したカメラを直接モデムに接続します。
8. カメラを再起動します。

- DDNS の設定方法についての情報は、ウェブビューアのオンラインヘルプを参照してください。
- IP フォーマットの設定方法についての情報は、ウェブビューアのオンラインヘルプを参照してください。

IPインストーラに使用するボタン



項目	説明
1 Device Name	接続しているカメラのモデル名です。 列をクリックしてモデル名順にリストをソートします。 ただし、検索中にクリックすると検索は停止します。
2 Alias	この機能は現在導入されていません。
3 Mode	現在のネットワーク接続状態によって、<Static>もしくは<Dynamic>と表示します。
4 MAC(Ethernet) Address	接続されているカメラのイーサネットアドレスです。 列をクリックしてイーサネットのアドレス順にリストをソートします。 ただし、検索中にクリックすると検索は停止します。
5 IP Address	IPアドレスです。 列をクリックしてIPアドレス順にリストをソートします。 ただし、検索中にクリックすると検索は停止します。
6 Protocol	カメラのネットワーク設定です。 工場初期値は"IPv4"です。 IPv6設定のカメラは、"IPv6"と表示されます。
7 URL	外部のインターネットからのアクセスに使用するDDNS URLアドレス。 ただし、DDNS登録が失敗した場合、このアドレスはカメラの<IP Address>に置き換わります。
8 IPv4	IPv4設定のカメラをスキャンします。

項目	説明
9 IPv6	IPv6設定のカメラをスキャンします。 IPv6対応の環境でのみ有効化されます。
10 Search	ネットワークに接続されているカメラをスキャンします。 ただし、IPv4、IPv6どちらも確認できない場合、このボタンはグレー表示されます。
11 Auto Set	IPインストーラによって自動的にネットワークが設定されます。
12 Manual Set	ネットワーク設定を手動で行う必要があります。
13 Exit	IP Installerプログラムを終了します。

- IPインストーラは最新バージョンを使用してください。最新バージョンはHanwha TechwinのWebサイトからダウンロードすることができます。
- サポートするOSが Windows 8.1である場合は、IP Wisenetの代わりにWisenetデバイスマネージャーを使用することを推奨します。
Wisenetデバイスマネージャープログラムは、メニューの<テクニカルガイド>-<オンラインツール>から、Hanwha Techwinのウェブサイト (<http://www.hanwha-security.com>)へアクセスしてダウンロードできます。

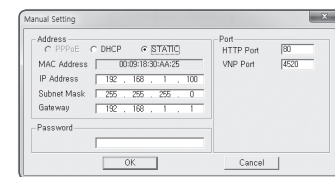
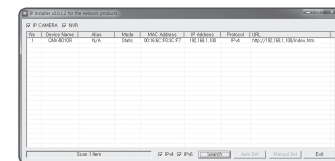
静的IPの設定

手動ネットワーク設定

<IP Installer_v2.XX.exe>を実行し、カメラの検索リストを表示します。
最初の起動時には、[Auto Set]と[Manual Set]は両方グレー表示となります。

- IPv6設定のカメラが見つかった場合、カメラがこの機能をサポートしていないため、ボタンがグレー表示されます。

1. 検索リスト内のカメラを選択します。
カメラのラベルに印字されているカメラのMACアドレスを確認します。
[Auto Set]と[Manual Set]の両方のボタンが有効となります。
2. [Manual Set]をクリックします。
Manual Settingダイアログが表示されます。
カメラの<IP Address>、<Subnet Mask>、<Gateway>、<HTTP Port> 及び <VNP Port>が予め設定された値で表示されます。
3. <Address>ペインに必要な情報が表示されます。
 - MAC (Ethernet) Address : カメラのラベルに印字されているカメラのMACアドレスが自動的に表示されるため、ユーザー設定は不要です。
 - IP関連パラメータは、DHCPにチェックが入っていない場合にのみ設定することができます。



ネットワーク接続と設定

ブロードバンドルーターを使用しない場合

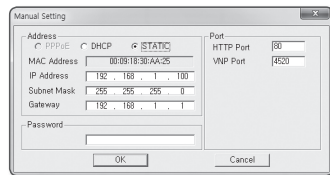
<IP Address>、<Subnet Mask>、<Gateway>の設定については、システム管理者にお問い合わせください。

4. <Port>ペインに必要な情報が表示されます。

- HTTP Port: インターネットブラウザを使用してカメラにアクセスする際に使用します。初期設定は80です。
- VNP Port: 映像信号の送信の制御に使用され、初期値は4520です。

5. パスワードを入力してください。

カメラへのアクセスに使用していた“admin”アカウントのパスワードを入力します。



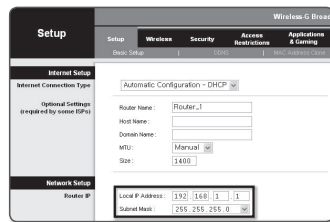
- セキュリティ上の目的で、数字、アルファベット、大文字小文字および特殊文字を使用することをお勧めします。
- パスワードの変更方法についての情報は、ウェブビューアのオンラインヘルプを参照してください。

6. [OK]をクリックします。

手動でのネットワーク設定が完了しました。

ブロードバンドルーター使用の場合

- IP Address: ブロードバンドルーターによって指定されたIP範囲でアドレスを入力します。
例) 192.168.1.2~254、192.168.0.2~254、192.168.XXX.2~254
- Subnet Mask: ブロードバンドルーターの<Subnet Mask>が、カメラの<Subnet Mask>となります。
- Gateway: ブロードバンドルーターの<Local IP Address>が、カメラの<Gateway>となります。



- 設定は、接続しているブロードバンドルーターのモデルによって異なる場合があります。詳細は、該当するルーターのユーザーマニュアルを参照してください。
- ブロードバンドルーターのポートフォワーディングの詳細については、“ポートフォワード (ポートマッピング)の設定”を参照してください。(27ページ)

ブロードバンドルーターに複数のカメラが接続されている場合

IPに関する設定と、ポートに関する設定は別々に設定します。

例)

カテゴリ	カメラ#1	カメラ#2
IP設定	IP Address Subnet Mask Gateway	192.168.1.100 255.255.255.0 192.168.1.1
ポート設定	HTTP Port VNP Port	8080 4520

- <HTTP Port>が80以外に設定されている場合、カメラにアクセスするには、インターネットブラウザのアドレスバーで<Port>番号を設定する必要があります。
例) http://IPアドレス:HTTPポート
http://192.168.1.100:8080

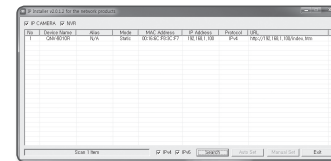
自動ネットワーク設定

<IP Installer_v2.XX.exe>を実行し、カメラの検索リストを表示します。

最初の起動時には、[Auto Set]と[Manual Set]は両方グレー表示となります。

- IPv6設定のカメラが見つかった場合、カメラがこの機能をサポートしていないため、ボタンがグレー表示されます。

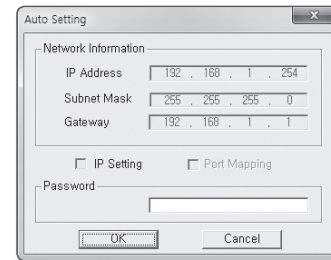
1. 検索リスト内のカメラを選択します。カメラのラベルに印字されているカメラのMACアドレスを確認します。
[Auto Set]と[Manual Set]の両方のボタンが有効となります。
2. [Auto Set]をクリックします。
Auto Settingダイアログが表示されます。
<IP Address>、<Subnet Mask>、<Gateway>が自動的に設定されます。
3. パスワードを入力してください。
カメラへのアクセスに使用していた“admin”アカウントのパスワードを入力します。



- セキュリティ上の目的で、数字、アルファベット、大文字小文字および特殊文字を使用することをお勧めします。
- パスワードの変更方法についての情報は、ウェブビューアのオンラインヘルプを参照してください。

4. [OK]をクリックします。

自動ネットワーク設定が完了しました。



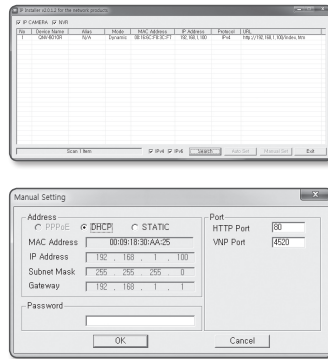
動的IP設定

動的IP環境設定

- 動的IP環境の例
 - カメラに接続しているブロードバンドルーターが、DHCPサーバーでIPアドレスを割り当てられている場合
 - DHCPプロトコルを使用して直接カメラをモデムに接続する場合
 - IPがLAN経由で内部DHCPサーバーに割り当てられている場合

動的IPの確認

1. ユーザーのローカルコンピュータでIPインストーラを実行します。
<Dynamic IP>アドレスが割り当てられているカメラがリストに表示されます。
2. 検索結果からカメラを選択します。
3. [Manual Set] ボタンをクリックし、カメラの<Dynamic IP>アドレスを確認します。
<DHCP>のチェックを外しておくと、IPを<Static>に変更できます。

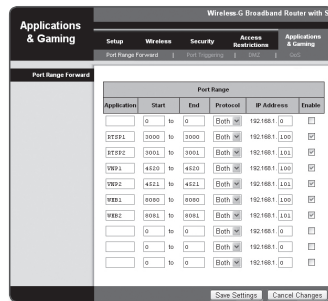


ポートフォワード(ポートマッピング)の設定

カメラを接続したままブロードバンドルーターをインストールした場合は、ブロードバンドルーター上でポート範囲フォワードを設定し、ルーター内のカメラにリモートPCからアクセスできるようにする必要があります。

手動ポートフォワード

1. ブロードバンドルーターの設定メニューから<Applications & Gaming> - <Port Range Forward>を選択します。
サードパーティのブロードバンドルーター用にポートフォワードを設定するには、ブロードバンドルーターのユーザーマニュアルを参照してください。
2. ブロードバンドルーターに接続されている各カメラ用の、<TCP>と<UDP Port>を選択します。
IPルーターに設定する各ポートの数字は、カメラWeb Viewerの<設定> - <Basic> - <IP & ポート>に指定されるポート番号に合わせて設定しなければなりません。



3. 完了後、[Save Settings]をクリックします。
設定が保存されます。

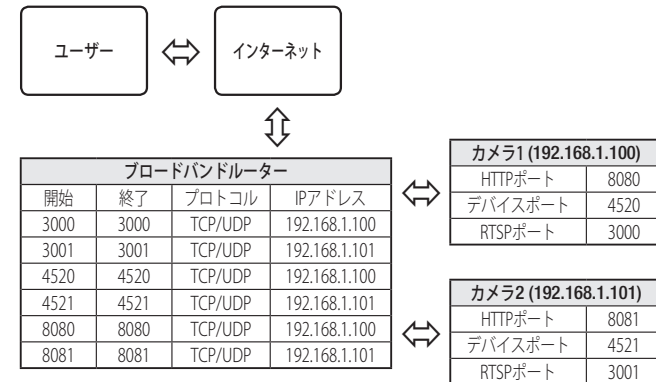


- 上記の説明の例はCISCOのブロードバンドルーターに基づいています。
- 設定は、接続しているブロードバンドルーターのモデルによって異なる場合があります。
詳細は、該当するルーターのユーザーマニュアルを参照してください。

複数のネットワークカメラに関するポートフォワード範囲設定

- ブロードバンドルーターデバイスの設定Webページで、ポートフォワーディングのルールを設定することができます。
- ユーザーは、カメラ設定画面を使って各ポートを変更できます。

カメラ1とカメラ2がルーターに接続されている場合:



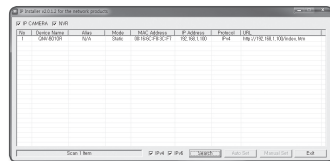
- ルータがUPnP (ユニバーサルプラグアンドプレイ) 機能をサポートしている場合、ポートフォワーディングを追加ルータの設定なしで行うことができます。
ネットワークカメラを接続した後、<Wisenet DDNS>の<クイック接続>を「設定→ネットワーク→DDNS」メニューにある<On>にセットします。

ネットワーク接続と設定

共有ローカルPCからカメラへの接続

1. IPインストーラを実行します。
接続されているカメラをスキャンし、そのリストを表示します。
2. アクセスするカメラをダブルクリックします。
インターネットブラウザが起動し、カメラに接続されます。

- インターネットブラウザのアドレスバーに検出されたカメラのIPアドレスを入力し、カメラにアクセスすることもできます。



リモートPCからインターネット経由でのカメラへの接続

ブロードバンドルーターのネットワーククラスターに属さないリモートコンピュータ上でIPインストーラを使用することはできないため、ユーザーはカメラのDDNS URLを使用してブロードバンドルーターのネットワーク内のカメラにアクセスすることができます。

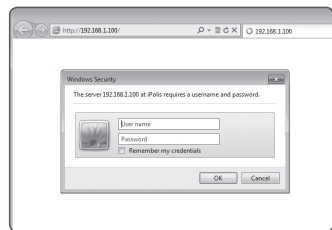
1. ブロードバンドルーターのネットワーク内のカメラへアクセスする前に、ブロードバンドルーターにポートフォワードを設定しておく必要があります。
2. リモートPCから、インターネットブラウザを起動しカメラのDDNS URLアドレスを入力するか、アドレスバーでブロードバンドルーターのIPアドレスを入力します。
例) <http://ddns.hanwha-security.com/ID>

- DDNSの登録方法についての情報は、ネットワーク設定ガイドを参照してください。

カメラへの接続

通常の方法

1. インターネットブラウザを起動します。
2. アドレスバーにカメラのIPアドレスを入力します。
例) • IPアドレス(IPv4): 192.168.1.100 → http://192.168.1.100
- ログインダイアログが表示されます。
• IPアドレス(IPv6): 2001:230:abcd:ffff:0000:0000:ffff:1111
→ http://[2001:230:abcd:ffff:0000:0000:ffff:1111] - ログインダイアログが表示されます。



HTTPポートが80以外の場合

1. インターネットブラウザを起動します。
2. アドレスバーにカメラのIPアドレスとHTTPのポート番号を入力します。
例) IPアドレス: 192.168.1.100:HTTPのポート番号(8080)
→ http://192.168.1.100:8080 - ログインダイアログが表示されます。

URLを使用する場合

1. インターネットブラウザを起動します。
2. アドレスバーにカメラのDDNS URLを入力します。
例) URLアドレス: http://ddns.hanwha-security.com/ID
- ログインダイアログが表示されます。

❗ ■ ネットワーク接続はLANのみの環境では無効になります。

UPnPを介した接続

1. UPnPプロトコルをサポートするために、クライアントまたはオペレーティングシステムを実行します。
2. 検索するカメラ名をクリックします。
Windowsオペレーティングシステムでは、ネットワークメニューから検索したカメラ名をクリックします。
- ログインウィンドウが表示されます。

Bonjourを介した接続

1. Bonjourプロトコルをサポートするためにクライアントまたはオペレーティングシステムを実行します。
2. 検索するカメラ名をクリックします。
Macのオペレーティングシステムでは、SafariのBonjourタブから検索したカメラ名をクリックします。
- ログインウィンドウが表示されます。

DDNSアドレスを確認するには

カメラを直接DHCPベースのケーブルモデムまたはDSLモデムに接続すると、ISP(ユーザーが契約する会社)に接続を試行する度にIPアドレスが変更されます。
その場合、DDNSによるIPアドレスの変更は通知されません。

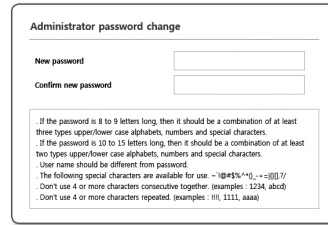
動的なIPベースのデバイスをDDNSサーバーに登録すると、そのデバイスにアクセスするときに、変更されたIPを簡単に確認することができます。

使用するデバイスを<DDNS>サーバーに登録するには、http://ddns.hanwha-security.comにアクセスして最初にデバイスを登録し、Web Viewerの<ネットワーク> - <DDNS>を<Wisenet DDNS>に設定し、DDNS登録に使用した<製品ID>を指定します。

パスワード設定

本製品を初めて使用する場合、ログインパスワードを登録する必要があります。
“パスワード変更”ウィンドウが表示されましたら、新しいパスワードを入力します。

- 新しいパスワードが8～9桁の場合、以下のうち3種類以上を使用する必要があります：大文字/小文字、数字、特殊文字。パスワードが10～15桁の場合、2種類以上を使用する必要があります。
 - 認められている特別文字：~!@#\$%^&*()_+=|00.:/
- 安全性を高めるため、同じ文字を繰り返したり、キーボード上の連続した文字を入力したりするのはお勧めしません。
- パスワードをなくした場合、[RESET]を押して製品を初期化します。そのため、メモ帳を利用したり、記憶したりして、パスワードをなくさないようにしてください。



The image shows a dialog box titled "Administrator password change". It has two input fields: "New password" and "Confirm new password". Below these fields is a list of password requirements:

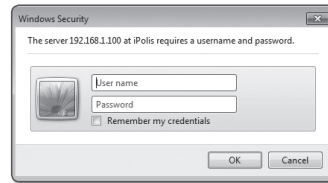
- If the password is 8 to 9 letters long, then it should be a combination of at least three types upper/lower case alphabets, numbers and special characters.
- If the password is 10 to 15 letters long, then it should be a combination of at least two types upper/lower case alphabets, numbers and special characters.
- User name should be different from password
- The following special character are available for use: ~!@#\$%^&*()_+=|00.:/
- Don't use 4 or more characters consecutive together. (examples: 1234, abcd)
- Don't use 4 or more characters repeated. (examples: IIII, 1111, aaaa)

ログイン

カメラにアクセスするたびに、ログインウィンドウが表示されます。
ユーザーIDとパスワードを入力してカメラにアクセスします。

1. <User name>入力ボックスに“admin”と入力します。
管理者ID“admin”は、確定されており変更できません。
2. <Password>入力欄に入力します。
3. [OK]をクリックします。
正常にログインすると、Live Viewerの画面が表示されます。

- カメラのWebビューアーにアクセスする場合は、画像データが暗号化されているか確認し、セキュリティに特にご注意ください。



The image shows a "Windows Security" dialog box. It says "The server 192.168.1.100 at iPolis requires a username and password." It has input fields for "User name" and "Password", and a checkbox for "Remember my credentials". There are "OK" and "Cancel" buttons at the bottom.

- 入力完了時に、“Remember my credentials”オプションをチェックしておくと、次回からはログイン情報の入力を求められることなく自動的にログインします。
- 画面サイズが100%である場合、映像画質が最高の状態になります。倍率を小さくすると、境界線上の画像がカットされます。

カメラ・ウェブビューアーの設定

1. [設定 (⚙️)]アイコンをクリックします。
2. 設定画面が現れます。
3. カメラの基本情報、ビデオ、オーディオ、ネットワーク、イベント、分析、ネットワーク全体のシステムの設定を構成することができます。
4. <ヘルプ (❓)>をクリックして、それぞれの機能の詳細説明を表示します。

仕様

項目		説明		
		QND-8010R/8020R/ 8030R/8080R	QNV-8010R/8020R/ 8030R/8080R	QNO-8010R/8020R/ 8030R/8080R
映像	撮像素子	1/2.8" 5MP CMOS		
	有効画素数	2592(H) x 1944(V)		
	最低照度	QND-8010R/8030R, QNV-8010R/8030R, QNO-8010R/8030R カラー : 0.15 Lux (F2.0, 1/30) B/W : 0 Lux (IR LEDオン) QND-8020R/8080R, QNV-8020R/8080R, QNO-8020R, 8080R カラー : 0.15 Lux (F1.6, 1/30) B/W : 0 Lux (IR LEDオン)		
	ビデオ出力	CVBS : 1.0Vp-p/75Ωコンポジット、720x480(N)、720x576(P)、取付け用		
	焦点距離(ズーム倍率)	QND-8010R, QNV-8010R, QNO-8010R : 2.8mm固定フォーカスレンズ QND-8020R, QNV-8020R, QNO-8020R : 4mm固定フォーカスレンズ QND-8030R, QNV-8030R, QNO-8030R : 6mm固定フォーカスレンズ QND-8080R, QNV-8080R, QNO-8080R : 3.2~10mm(3.1x)電動可変フォーカスレンズ		
レンズ	最大口径比	QND-8010R/8030R, QNV-8010R/8030R, QNO-8010R/8030R : F2.0 QND-8020R/QNV-8020R/QNO-8020R : F1.6 QND-8080R/QNV-8080R/QNO-8080R : F1.6(ワイド)~F2.9(テレ)		
	画角	QND-8010R/QNV-8010R/QNO-8010R : H: 104.7°/ V: 76.5°/ D: 136.0° QND-8020R/QNV-8020R/QNO-8020R : H: 79.8°/ V: 58.1°/ D: 105.9° QND-8030R/QNV-8030R/QNO-8030R : H: 49.4°/ V: 37.4°/ D: 61.0° QND-8080R/QNV-8080R/QNO-8080R : H: 100.3°(ワイド)~31.2°(テレ) / V: 72.3°(ワイド)~23.5°(テレ) / D: 133.1°(ワイド)~38.8°(テレ)		
	焦点制御	QND-8010R/8020R/8030R, QNV-8010R/8020R/8030R, QNO-8010R/8020R/8030R : 固定フォーカス QND-8080R, QNV-8080R, QNO-8080R : シンプルフォーカス		
パンニング/ チルト/回転	パン/チルト/回転範囲	0°~350° / 0°~67° / 0°~355°	0°~350° / 0°~67° / 0°~355°	-

項目		説明		
		QND-8010R/8020R/ 8030R/8080R	QNV-8010R/8020R/ 8030R/8080R	QNO-8010R/8020R/ 8030R/8080R
操作関係	夜間可視距離	QND-8010R/8020R/8030R/8080R, QNV-8010R, QNO-8010R: 20m(65.62ft) QNO-8020R/QNV-8020R : 25m(82.02ft) QNO-8030R,QNV-8030R, QNO-8080R,QNV-8080R : 30m(98.42ft)		
	カメラタイトル	最大85文字表示		
	昼/夜	オート (ICR)		
	逆光補正	BLC, WDR, SDR		
	ワイドダイナミックレンジ	120dB		
	デジタルノイズリダクション	SSNR		
	モーション検知	4つ、多角形対応		
	プライバシーマスク	6つ、四角対応		
	利得調整	低/中/高		
	ホワイトバランス	ATW/AWC/手動/屋内/屋外		
	LDC	サポート		
	電子シャッター速度	最小値/最大値/ちらつき防止 (1/5~1/12,000秒)		
	映像角度	フリップ, ミラー, 玄関 (90° / 270°)		
	インテリジェントビデオ解析	焦点ぼけ検知、方向検知、モーション検知、出/入検知、タンパリング、バーチャルライン		
	アラーム入・出力	入力1つ/出力1つ		
	アラームトリガー	インテリジェント分析、ネットワーク接続解除、アラーム入力		
	アラームイベント	• FTP、電子メールによるファイルのアップロード		
		• 電子メール、による通知 • アラームトリガー発生時、SD/SDHC/SDXCメモリやNASに録画 • 外部アラーム出力		

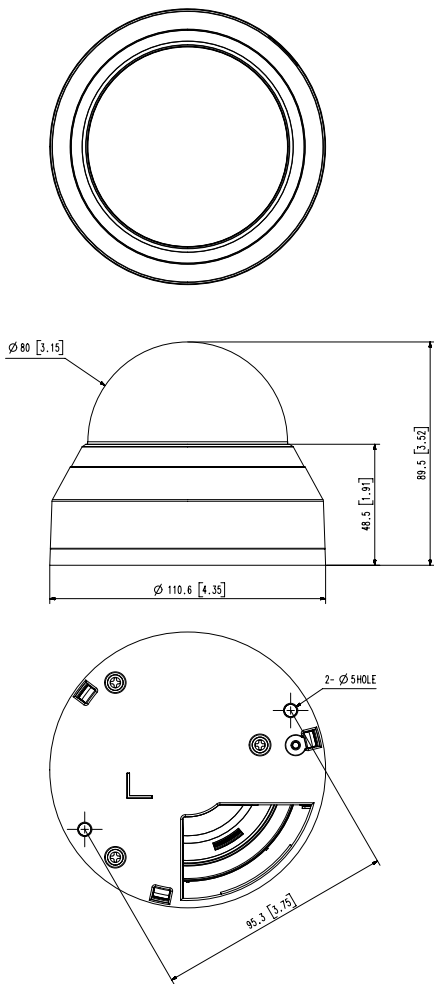
項目		説明		
		QND-8010R/8020R/ 8030R/8080R	QNV-8010R/8020R/ 8030R/8080R	QNO-8010R/8020R/ 8030R/8080R
ネットワーク	イーサネット	RJ-45 (10/100BASE-T)		
	ビデオ圧縮フォーマット	H.265/H.264 : メイン//ハイ、MJPEG		
	解像度	2592 x 1944, 1920 x 1080, 1280 x 960, 1280 x 720, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360		
	最大フレームレート	H.265/H.264 : 最大 30fps/25fps (60Hz/50Hz) MJPEG : 最大 15fps/12fps (60Hz/50Hz)		
	スマートコーデック	WiseStreamⅡ		
	ビデオ品質調整	H.264/H.265 : ターゲットビットレートレベル制御 MJPEG : 画質レベル制御		
	ビットレート制御方式	H.264/H.265 : CBR または VBR Motion JPEG : VBR		
	ストリーミング	同時伝送能力:最大3種のストリーム同時伝送 伝送タイプ:ユニキャスト/マルチキャスト 最大同時接続者:6名(ユニキャストモード)		
	プロトコル	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP		
	セキュリティ	HTTPS(SSL) ログイン認証 ダイジェストログイン認証 IPアドレスフィルタリング ユーザーアクセスログ 802.1X認証方式 (EAP-TLS, EAP-LEAP)		
	エッジストレージ	Micro SD/SDHC/SDXC 1スロット 128 GB		
	アプリケーション・プログラミング・インターフェース	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform		

項目		説明		
		QND-8010R/8020R/ 8030R/8080R	QNV-8010R/8020R/ 8030R/8080R	QNO-8010R/8020R/ 8030R/8080R
ネットワーク	Webページの言語	英語、韓国語、中国語、フランス語、イタリア語、スペイン語、ドイツ語、日本語、ロシア語、スウェーデン語、ポルトガル語、チェコ語、ポーランド語、トルコ語、オランダ語		
	Web Viewer	対応OS : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 推奨するブラウザ: Google Chrome サポートするウェブブラウザ : MS Explore11, MS Edge, Mozilla Firefox (Window 64bitでのみサポート), Apple Safari (Mac OS Xでのみサポート)		
	メモリー	512MB RAM, 256MB Flash		
環境関係	動作温度/湿度	-10℃ ~ +50℃ (14°F ~ +122°F) / RH90%以下	-30℃ ~ +55℃ (-40°F ~ +131°F) / RH90%以下 * 起動温度: -20℃以上	
	保存温度/湿度	-30℃ ~ +60℃ (-22°F ~ +140°F) / RH90%以下		
	規格認証	-	IP66, IK10	
電気関係	入力電圧	PoE(IEEE802.3af, Class3)		
	消費電力	QND-8010R, QNV-8010R : PoE: 最大 7.5 W, 標準 5.8 W QND-8020R/8030R : PoE: 最大 6.8 W, 標準 5.0 W QNV-8020R/8030R : PoE: 最大 7.2 W, 標準 5.4 W QNO-8010R/8020R/8030R : PoE: 最大 7.5 W, 標準 6.1 W QND-8080R, QNV-8080R : PoE: 最大 8.9 W, 標準 6.6 W QNO-8080R : PoE: 最大 9.5 W, 標準 7.3 W		
メカニカル	色/材質	ホワイト / プラスチック, アルミ	ホワイト / アルミ	ダークグレー / アルミ
	RALコード	RAL9003		-
	製品サイズ / 重量	QND-8010R/8020R/8030R: Ø110.6x89.5mm (Ø4.33x3.39"), 360g QND-8080R: Ø120.3x102.0mm (Ø4.72x3.89"), 430g	QNV-8010R/8020R/8030R: Ø120.3 x 91.7mm (Ø4.74x3.61"), 510g QNV-8080R: Ø137.0 x 106.1mm (Ø5.39x4.18"), 700g	QNO-8010R/8020R/8030R: Ø70.0 x 246.0mm (Ø4.33x3.39"), 680g QNO-8080R: Ø91x322.9mm (Ø3.58x127.1"), 1190g

製品ビュー (QND-8010R/8020R/8030R/8080R)

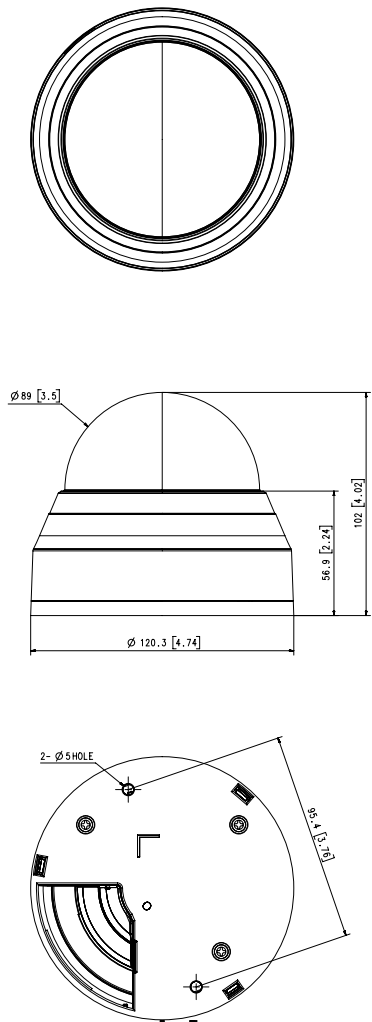
QND-8010R/8020R/8030R

単位: mm[インチ]



QND-8080R

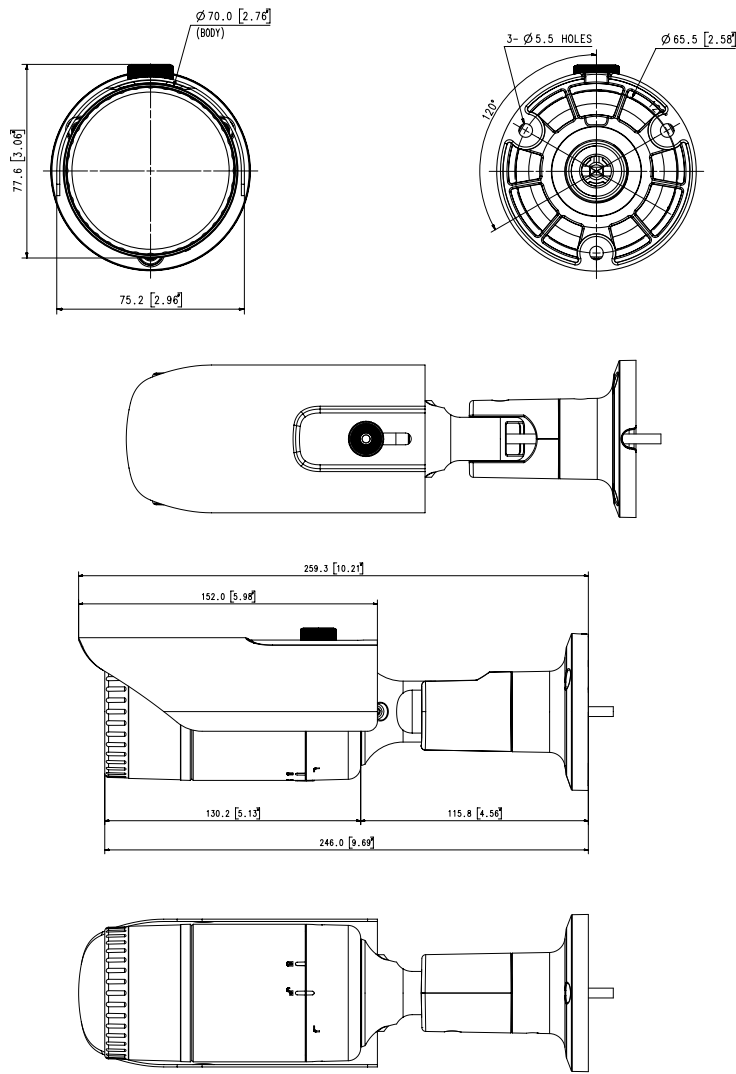
単位: mm[インチ]



製品ビュー (QNO-8010R/8020R/8030R/8080R)

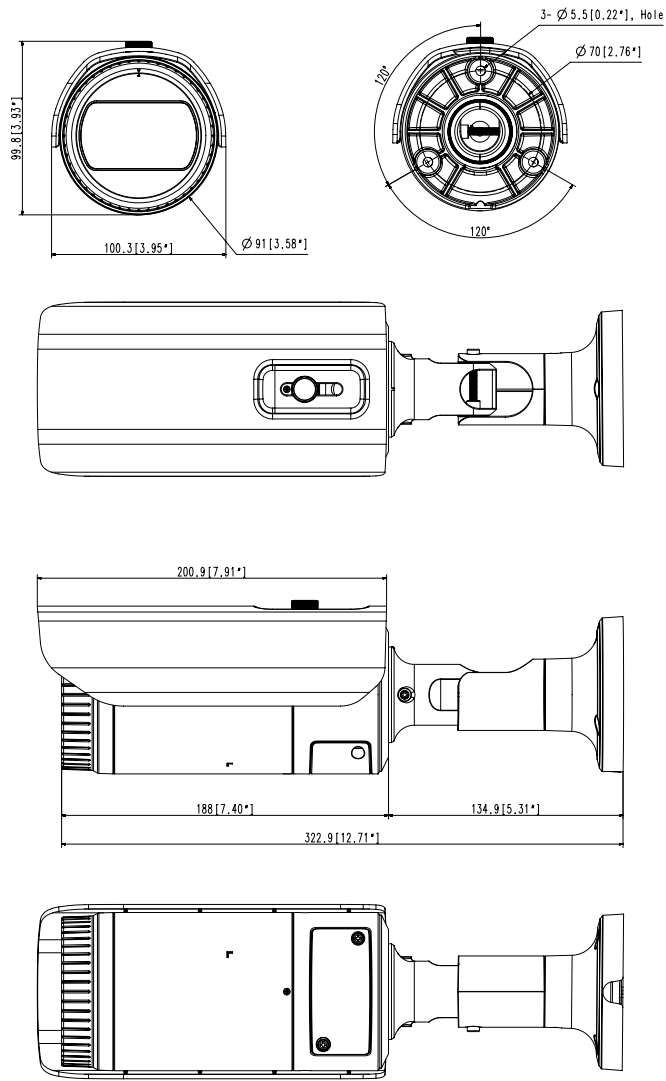
QNO-8010R/8020R/8030R

単位: mm[インチ]



QNO-8080R

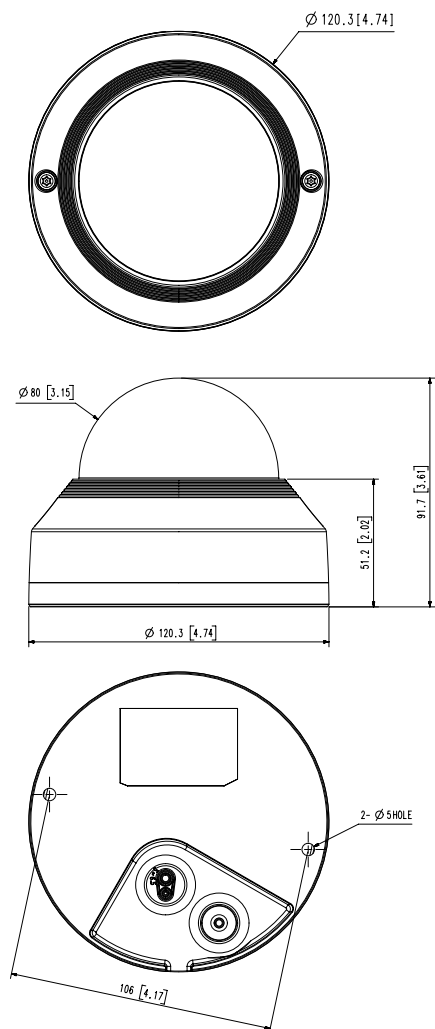
単位: mm[インチ]



製品ビュー (QNV-8010R/8020R/8030R/8080R)

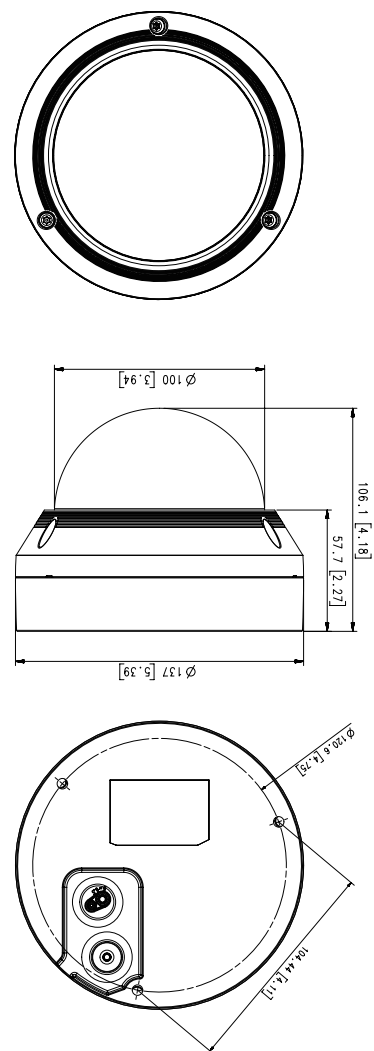
QNV-8010R/8020R/8030R

単位: mm[インチ]



QNV-8080R

単位: mm[インチ]



トラブルシューティング

問題	解決策
Windows 10ユーザーがChromeまたはFirefoxからウェブビューアにアクセスする場合、マイクロフォンの音声ボリュームは周期的に変わります。	これは、マイクロフォンのドライバをRealtekドライバに設定している場合に生じます。High Definition Audioデバイス (Windowsの標準ドライバ) またはサードパーティ製のドライバをマイクロフォン用のドライバとしてインストールします。
Safariを使用してHTTPS経由でプラグインフリーのWeb Viewerにアクセスすると、映像は表示されません。	- https初回接続時に表示されるウェブサイトの認証ポップアップで<証明書の表示>をクリックした後、<Webビューアの設定IPに接続する際、常に信頼する>の項目のチェックボックスを選択してください。 - 以下のメッセージウィンドウで「次へ (Next)」を選択した後にWeb Viewerでの表示に失敗する場合、commandキー + Qを押してSafariブラウザを終了し、再度アクセスして上述の手順に従います。
ウェブブラウザからカメラにアクセスできない。	- カメラのネットワーク設定が適切を確認します。 - ネットワークケーブルがすべてきちんと接続されているか確認します。 - DHCP を使用して接続した場合、カメラが問題なく動的 IP アドレスを取得できたか確認します。 - カメラがブロードバンドルーターに接続している場合、ポート転送がきちんと 設定されているか確認します。
閲覧中にビューアが遮断された。	- カメラまたはネットワーク設定に変更が生じた場合、接続済みビューアは遮断されます。 - ネットワーク接続をすべて確認します。
新規でWebビューアにアクセスしたり、クライアントにストリーミングを接続させたが、映像が出力されません。	使用可能なプロファイルの最大数は3つです。4つ以上のプロファイルを使用すると、接続が切断されることがあります。 例) MJPEG、H.264、H.265接続後、別のプロファイルに接続時、接続切断
ネットワークに接続しているカメラがIP インストーラプログラムを検知しない。	使用中の PC のファイアウォールを無効にし、カメラを再検索してください。
画像がオーバーラップする。	複数のカメラが個々のアドレスではなく、単一のマルチキャスト アドレスに設定されているか確認します。複数のカメラが単一アドレスを使用すると、画像がオーバーラップする原因になります。

問題	解決策
画像が表示されない。	送信方法がマルチキャストに設定されている場合、カメラが接続しているLAN にマルチキャストに対応しているルータがあるか確認します。
音声入力を設定している場合でも、音声は録音されません。	<基本> - <ビデオプロファイル> の <音声入力> チェックボックスを有効にしなければなりません。
<アナリティクス>の<モーション検知>は<イベント>に設定されていますが、分析イベントが発生したときであっても、通知用のEメールは到着しません。	設定を次の順序で確認します。 A. <日付 & 時間>設定をチェックします。 B. <モーション感知>が<使用>に設定されていることを確認します。 C. <イベント設定>メニューの<E-mail>オプションが選択されて使用可能になっているかどうか確認してください。
Micro SDメモリカードに録画できません。	メモリカードに問題がないか確認してください。
Micro SDメモリカードを挿入しても、カメラが正しく動作しません。	- メモリカードが正しい方向で挿入されているかを確認してください。他のデバイスで初期化されたメモリカードの場合は、このカメラ装置で正常に動作しない可能性があります。 - メモリカードを<設定> → <イベント> → <ストレージ>メニューで再度初期化してください。
NASに記録できません。	NASに登録した情報が正しいことを確認します。
NAS設定が失敗したと報告が出ています。	- NASのIPアドレスが有効であること。 - NASのID/パスワードが有効であること。 - NASのIDを使う基本フォルダに指定したフォルダにアクセスできること。 - NAS SMB/CIFSの項目をチェックしていないこと。 - NAS IPアドレスとカメラIPアドレスが同じフォーマットであることを確認します。 例) NASとカメラのサブネットマスク値は255.255.255.0です。 IPアドレスが192.168.20.32である場合、NAS IPアドレスは192.168.20.1～192.168.20.255の範囲にある必要があります。 - 保存または使用する基本フォルダを初期化せずに、別のユーザーとして利用しようとしていたかを確認します。 - 推奨されているNAS装置を使用したかどうか確認します。

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Component Name	License	URL
Base Kernel	GPL 2.0	
Busybox	GPL 2.0	http://www.busybox.net/downloads/snapshots
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtdd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdd-utils
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
zerocoinf	GPL 2.0	

LGPL SW

Component Name	License	URL
glibc	LGPL 2.0	
inetutils	LGPL 3.0	
neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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- Version 1.1

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For more information on the PHP Group and the PHP project, please see <http://www.php.net>. PHP includes the Zend Engine, freely available at <http://www.zend.com>.

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Component Name	License	URL
zlib-1.2.8	zlib / libpng	http://zlib.net/

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).



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