

WISeNeT

NETZWERKKAMERA

Benutzerhandbuch

QNV-6023R/QNV-6024RM



Netzwerkamera

Benutzerhandbuch

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Handelsmarke

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❖ Design und technische Daten können ohne vorherige Ankündigung geändert werden.

❖ Die initiale Administrator-ID ist "Administrator" und das Passwort sollte eingestellt werden, wenn Sie sich das erste Mal anmelden.
Bitte ändern Sie das Passwort alle drei Monate um die persönlichen Daten zu schützen und Schaden infolge Datendiebstahl zu vermeiden.
Beachten Sie bitte, der Benutzer ist für die Sicherheit und alle weiteren Probleme, die sich aus einem Missmanagement des Passworts ergeben verantwortlich.

WICHTIGE SICHERHEITSHINWEISE

1. Lesen Sie diese Anweisungen.
2. Bewahren Sie sie auf.
3. Beachten Sie alle Warnungen.
4. Befolgen Sie alle Anweisungen.
5. Verwenden Sie dieses Gerät nicht in der Nähe von Wasser.
6. Die verunreinigte Stelle auf der Produktoberfläche mit einem weichen, trockenen oder feuchten Tuch reinigen. (Keine Reinigungs- oder kosmetischen Mittel verwenden, die Alkohol, Lösungsmittel oder Ölbestandteile enthalten, da diese das Produkt deformieren oder schädigen können.)
7. Blockieren Sie keine Belüftungsöffnungen. Installieren Sie es gemäß den Herstelleranweisungen.
8. Installieren Sie das Gerät nicht in der Nähe von Wärmequellen wie beispielsweise von Radiatoren, Heizkörpern oder anderen Geräten (einschließlich Verstärkern), die Wärme erzeugen.
9. Bitte achten Sie darauf, die Schutzvorrichtung des gepolten bzw. geerdeten Steckers nicht zu beschädigen. Ein gepolter Stecker verfügt über zwei Stifte, von denen einer breiter als der andere ist. Ein geerdeter Stecker hat zwei Stifte und einen Erdungsstift. Der breite Stift oder der dritte Stift ist für Ihre Sicherheit vorgesehen. Wenn der vorgesehene Stecker nicht in Ihre Steckdose passt, wenden Sie sich an einen Elektriker, um die veraltete Steckdose austauschen zu lassen.
10. Schützen Sie das Netzkabel so, dass nicht darauf getreten wird, und dass es insbesondere an den Steckern oder passenden Steckdosen bzw. der Stelle, an der das Kabel das Gerät verlässt, nicht abgeklemt wird.
11. Verwenden Sie nur die vom Hersteller angegebenen Zusatzgeräte/Zubehörteile.
12. Verwenden Sie für das Gerät nur Gestelle, Ständer, Stative, Konsolen und Tische, die vom Hersteller empfohlen oder in Verbindung mit dem Gerät verkauft werden. Bei Verwendung eines Transportwagens bewegen Sie das Gerät nur mit äußerster Vorsicht, um Verletzungen durch Umkippen zu vermeiden.
13. Trennen Sie das Gerät bei Gewitter oder längerer Abwesenheit vom Stromnetz.
14. Überlassen Sie alle Wartungsarbeiten qualifiziertem Kundendienstpersonal. Wartungsarbeiten sind erforderlich, wenn das Gerät in irgendeiner Weise beschädigt wurde, wie zum Beispiel ein beschädigtes Netzkabel oder Stecker, verschüttete Flüssigkeiten oder Gegenstände, die in das Gerät gefallen sind, das Gerät Regen oder Feuchtigkeit ausgesetzt wurde, nicht normal funktioniert oder fallen gelassen wurde.
15. Dieses Produkt soll mit einer zugelassenen Stromversorgung verwendet zu werden, die mit „Klasse 2“ oder „LPS“ gekennzeichnet ist und mit PoE (48 V), 0,14 A bemessen ist.
16. Dieses Produkt soll mit Isolationsstrom verwendet werden.
17. Wenn Sie bei der Installation des Gerätes zu viel Kraft verwenden, kann es zu Beschädigungen und Fehlfunktionen der Kamera kommen. Wenn Sie das Produkt mit Gewalt und nicht konformen Werkzeugen installieren, kann das Produkt beschädigt werden.
18. Stellen Sie das Produkt nicht an Orten auf, an denen chemische Stoffe oder Ölnebel vorhanden sind oder entstehen können. Da Speiseöle wie Sojaöl das Produkt beschädigen oder verwerfen können, darf das Produkt nicht in der Küche oder in der Nähe des Küchentisches installiert werden. Dies kann zu Schäden am Produkt führen.
19. Achten Sie beim Einbau des Produkts darauf, dass die Oberfläche des Produkts nicht mit chemischer Substanz gefärbt wird. Einige chemische Lösungsmittel wie Reiniger oder Klebstoffe können schwere Schäden an der Oberfläche des Produkts verursachen.
20. Wenn Sie das Produkt in einer nicht empfohlene Weise installieren oder demontieren, können die Produktionsfunktionen / Leistung nicht garantiert werden. Installieren Sie das Produkt unter "Installation und Anschluss (Installation and connection)" in der Bedienungsanleitung.
21. Installation oder Verwendung des Produkts ins Wasser kann zu ernsthaften Schäden am Produkt führen.



WARNUNG

SETZEN SIE DIESES GERÄT NICHT REGEN ODER FEUCHTIGKEIT AUS, UM DIE GEFAHR EINES BRANDS ODER ELEKTROSCHOCKS ZU REDUZIEREN. STECKEN SIE KEINE METALLGEGENSTÄNDE DURCH DIE BELÜFTUNGSSCHLITZE ODER ANDERE ÖFFNUNGEN DER AUSRÜSTUNG.

Schützen Sie das Gerät vor Flüssigkeitsspritzern und Tropfen. Stellen Sie keine mit Flüssigkeiten gefüllten Behälter auf dem Gerät ab (z. B. Vasen).

Zur Vermeidung von Verletzungen muss das Gerät gemäß der Montageanleitung sicher an der Wand oder Decken befestigt werden.

VORSICHT

	VORSICHT GEFAHR EINES ELEKTROSCHOCKS NICHT ÖFFNEN	
VORSICHT : NICHT DIE RÜCKSEITIGE ABDECKUNG ÖFFNEN, ABDECKUNG (ODER RÜCKSEITE) NICHT ABNEHMEN. KEINE VOM BENUTZER ZU WARTENDE TEILE INNEN. WENDEN SIE SICH AN QUALIFIZIERTES KUNDENDIENSTPERSONAL.		

ERKLÄRUNG DER GRAPHISCHEN SYMBOLE



Das Blitzsymbol im gleichseitigen Dreieck warnt den Benutzer davor, dass im Inneren des Produkts nicht isolierte, „gefährliche Spannungen“ anliegen. Dies kann zu einem elektrischen Schlag führen und stellt eine ernsthafte Verletzungsgefahr dar.



Das Ausrufezeichen im gleichseitigen Dreieck soll Benutzer darauf hinweisen, dass die zum Lieferumfang des Produkts gehörende Dokumentation wichtige Bedienungs- und Instandhaltungsanweisungen (Reparaturanweisungen) enthält.

Klasse I nbauart

Ein Gerät der KLASSE I sollte nur an einen NETZ-Anschluss mit Schutzerdung angeschlossen werden.

Akku

Akkus (Akkusatz oder eingelegerter Akku) dürfen keiner extremen Hitze, z. B. Sonneneinstrahlung, Feuer oder Ähnlichem, ausgesetzt werden.

Die Batterie kann nicht ersetzt werden.

Trennung des Geräts

Trennen Sie den Hauptstecker vom Gerät, wenn dieser beschädigt ist. Und wenden Sie sich bitte für die Reparatur an einen Fachmann in Ihrer Nähe.

Außerhalb der USA könnte ein HAR-Code verwendet werden. Eine Fachwerkstatt wird mit Zubehör einer Fachwerkstatt beauftragt.

ACHTUNG

Wird die Batterie nicht mit der richtigen Batterie ausgetauscht, besteht Explosionsgefahr. Entsorgen Sie gebrauchte Batterien vorschriftsgemäß.

Diese Hinweise zur Wartung und Reparatur gelten nur für qualifiziertes Kundendienstpersonal. Um die Gefahr von Stromschlägen zu verringern, führen Sie nur die Reparaturen aus, die in der Bedienungsanleitung enthalten sind. Überlassen Sie alle weiterführenden Reparaturarbeiten qualifiziertem Personal.

Bitte verwenden Sie die Eingangsleistung für nur eine Kamera und schließen Sie keine zusätzlichen Geräte an.

Der ITE darf nur mit PoE-Netzwerken und ohne Routing zur äußeren Anlage verbunden werden.

Lesen Sie die folgenden empfohlenen Sicherheitsmaßnahmen sorgfältig durch.

- Stellen Sie das Gerät nicht auf eine unebene Fläche.
- Setzen Sie das Gerät keiner direkten Sonneneinstrahlung aus, stellen Sie es nicht in der Nähe von Heizgeräten oder in sehr kalten Bereichen auf.
- Das Gerät nicht in der Nähe von leitendem Material aufstellen.
- Versuchen Sie auf keinen Fall, selbst Reparaturarbeiten auszuführen.
- Stellen Sie kein Glas Wasser auf das Produkt.
- Stellen Sie das Gerät nicht in der Nähe einer magnetischen Quelle auf.
- Blockieren Sie nicht die Belüftungsöffnungen.
- Legen Sie keine schweren Gegenstände auf das Produkt.
- Bitte nutzen Sie beim Installieren/Entfernen der Kamera Schutzhandschuhe. Die hohe Temperatur der Produktoberfläche könnte zu Verbrennungen führen.

Das Benutzerhandbuch ist ein Anleitungsbuch zur Art der Verwendung von Produkten.

Die Verwendungshinweise im Handbuch bedeuten folgendes.

- Referenz : Im Falle einer weiterleitenden Information als Hilfe bei der Produktverwendung
 - Hinweis : Wenn die Möglichkeit besteht, dass Güter oder Menschen durch das Nichtbefolgen der Anleitung zu Schaden kommen
- ※ Bitte lesen Sie das vorliegende Benutzerhandbuch zur eigenen Sicherheit vor der Verwendung von Gütern sorgfältig durch, und heben Sie es an einem sicheren Ort auf.

In bestimmten Installationsumgebungen kann es zu Störungen der Funkkommunikation kommen. Wenn eine Störung von elektromagnetischen Wellen zwischen dem Produkt und einem Funkkommunikationsgerät auftritt, wird empfohlen, einen gewissen Abstand zwischen den beiden einzuhalten oder die Richtung der Empfangsantenne zu ändern.

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PRODUKT-FUNKTIONEN

- **Überwachungskamera für PKW**
Ermöglicht die Überwachung eines fahrenden Zuges oder Fahrzeugs, wobei keinerlei Erschütterungen der Kamera auftreten.
- **Staubdicht/wasserdicht (IP66)**
Das staub- und wasserdichte Design schützt das Produkt vor Regen und Staub, wann immer es im Freien installiert wird.
- **Unterstützt 2M Pixel Auflösung Videos**
- **Multi-Übertragung**
Dieser Netzwerk Encoder kann Videos in verschiedenen Auflösungen und Qualitäten über verschiedenen CODECs gleichzeitig anzeigen.
- **Überwachung über Webbrowser**
Der Webbrowser kann verwendet werden, um die Bildanzeige in einer lokalen Netzwerkumgebung wiederzugeben.
- **Alarm**
Sobald ein Ereignis eintritt, wird das zugehörige Bild an die von einem Benutzer registrierte E-Mail-Adresse im FTP-Server gesendet oder auf einer Micro-SD-Karte oder im NAS gespeichert.
- **Manipulation Erkennung**
Erkennt Versuche, die Video Überwachung zu manipulieren.
- **Funktion der Unschärfe-Ermittlung**
Ermittelt das Unschärfe-Phänomen der Kameralinse.
- **Bewegungserkennung**
Erkennt Bewegungen auf den von der Kamera eingehenden Videobildern.
- **Smart Codec**
Codecs schaltet für einen Teil des Kamera-Sichtfelds automatisch ein, um die Qualität eines solchen Bereichs, der von dem Benutzer bestimmt wird, zu verbessern.
- **Audio-Geräuschunterdrückungsfunktion**
Reduziert ein kontinuierliches Rauschen (weißes Rauschen).
- Verwenden Sie für eine Verbesserung der Leistung ein externes Mikrofon.
- **ONVIF Compliance**
Dieses Produkt unterstützt das ONVIF Profil S/G/T.
Weitere Informationen finden Sie unter www.onvif.org.



EMPFOHLENE PC-SPEZIFIKATIONEN

- CPU : Intel(R) Core(TM) i7 3.4 GHz oder höher
 - RAM : 8G oder höher
 - Unterstützte Betriebssystem : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14
 - Empfohlener Browser: Google Chrome
 - Unterstützte Browser: MS Explorer11, MS Edge, Mozilla Firefox (nur Windows 64bit), Apple Safari (nur Mac OSX)
 - VGA : PCIe 256MB GDDR3 Videografikkarte oder höher
- ※ Sie können detaillierte Informationen zu verifizierten Betriebssystemen und Browsern im Anhang finden.

EMPFOHLENE TECHNISCHE DATEN FÜR MICRO SD/SDHC/SDXC SPEICHERKARTEN

- Empfohlene Kapazität : 16GB bis 128GB (MLC-Typ)
- Empfohlene Hersteller: SanDisk, Transcend
- Produkttyp: Hochleistung
- Die Kompatibilität variiert je nach Kartenhersteller und -typ.

EMPFOHLENE NAS-SPEZIFIKATIONEN

- Empfohlene Kapazität : 200GB oder mehr wird empfohlen.
- Gleichzeitiger Zugriff : Eine NAS-Einheit kann maximal sechzehn Kamerazugriffe aufnehmen.
- Bei dieser Kamera raten wir zu NAS mit den folgenden Spezifikationen.

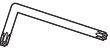
Empfohlene Produkte	Verfügbare Größen
QNAP NAS	Maximal 16 Kameras können gleichzeitig zugreifen.
Synology NAS	Maximal 16 Kameras können gleichzeitig zugreifen.



- Falls Sie NAS-Geräte für sonstige Zwecke, als die Videospeicherung verwenden, wird möglicherweise die Anzahl von zugänglichen Kameras reduziert.

LIEFERUMFANG

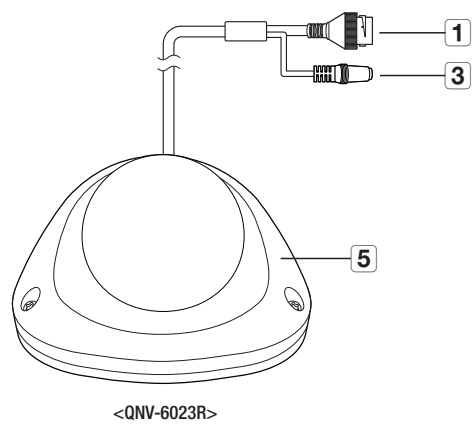
Überprüfen Sie bitte, ob in der Produktverpackung die Kamera und alle Zubehörteile enthalten sind.
(Da in jedem Vertriebsland die Zubehörteile nicht die gleichen sind.)

Produktdesign	Bezeichnung	Menge	Beschreibung	Modellbezeichnung
	Kamera	1		QNV-6023R/ QNV-6024RM
	Kurzanleitung (Optional)	1		
	Sternförmiger Schraubenschlüssel	1	Zum Entfernen/Befestigen der Kuppelabdeckung	
	Testmonitor-Kabel	1	Wird zum Testen des Kameraanschlusses an ein tragbares Displaygerät verwendet	
	Formbrett	1	Wird zur Installation der Kamera genutzt	
	Montagehalterung	1	Wird zur Installation der Kamera an der Wand oder einer Anschlussdose (einfach) genutzt	
	M4-Schraube für den Montagewinkel	2	Wird zur Fixierung der Kamera an der Montagehalterung genutzt	

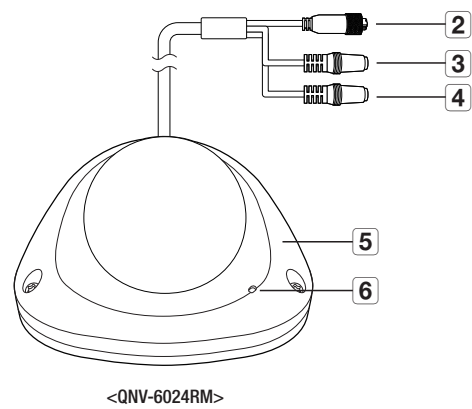
Produktdesign	Bezeichnung	Menge	Beschreibung	Modellbezeichnung
	RJ45 wasserfestes Zubehör	1	Wird genutzt, um das RJ45- Anschlusskabel wasserfest zu machen	QNV-6023R

AUF EINEN BLICK

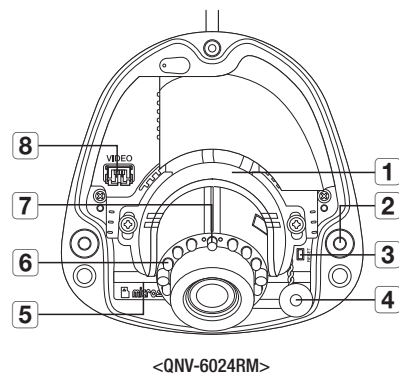
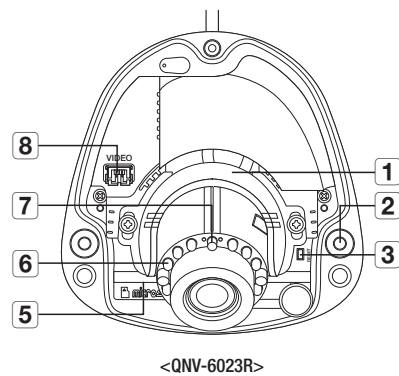
Aufbau



Bezeichnung	Beschreibung
1 PoE-Anschluss	Verbindet sich mit dem Netzwerk und wird über das Ethernet-Kabel mit Strom versorgt.
2 M12 Buchsensteckverbinder	An M12 den Kabelsteckverbinder anschließen, dadurch ist die Stromversorgung und die Netzwerkverbindung vorhanden.
3 Audioeingangsbuchse	Wird zur Verbindung mit einem Mikrofon genutzt. (rosa)
4 Audioausgangsbuchse	Wird zur Verbindung mit Lautsprechern genutzt. (grün)
5 Kuppelabdeckung	Gehäuseabdeckung zum Schutz des Objektivs und der Haupteinheit.
6 Mikrofoneingang	Mit integriertem Mikrofon.



Innenansicht



Bezeichnung	Beschreibung
1 Objektschutz	Zum fixieren oder schützen des Objektivs.
2 Schraubenöffnung	Bohrung zur Absicherung der Kamera bei Deckenmontage.
3 Reset-Taste	Zum Zurücksetzen der Kameraeinstellungen auf die Standardeinstellungen. Drücken und 5 Sekunden gedrückt halten, um das System neu zu starten. ■ Wenn Sie die Kamera zurücksetzen, werden die Netzwerkeinstellungen so eingestellt, dass DHCP aktiviert sein kann. Wenn im Netzwerk kein DHCP-Server vorhanden ist, muss das Programm Device Manager ausgeführt werden, um die grundlegenden Netzwerkeinstellungen, wie IP-Adresse, Subnetzmaske, Gateway, etc. zu ändern, bevor es möglich ist, sich mit dem Netzwerk zu verbinden.
4 Mikrofoneingang	Mit integriertem Mikrofon.
5 Micro SD Speicherkartenfach	Fach für die Micro SD-Speicherkarte.
6 IR LED	Diese infrarot LEDs werden über den Beleuchtungssensor gesteuert.
7 Beleuchtungssensor	Erkennt das einfallende Licht, und steuert die Infrarot-LED.
8 Test Monitor Ausgang	Anschluss zum Testen der Videoausgabe. Verwenden Sie das Test Monitor Kabel, um ein tragbares Anzeigegerät anzuschließen und das Videobild zu testen.

INSTALLATION

Bevor Sie mit der Installation beginnen

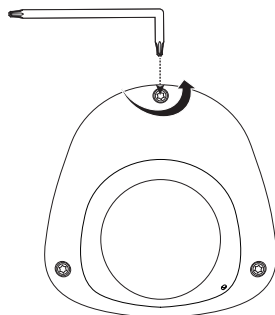
Bitte lesen Sie die folgenden Anweisungen, bevor Sie die Kamera installieren:

- Bei einer Deckenmontage muss der gewünschte Einbaupunkt mindestens 5 Mal das Kameragewicht tragen können.
- Verklemmte Kabel oder ein abgelöster Kabelschutz können zu Schäden an dem Produkt und Brandgefahr führen.
- Halten Sie aus Sicherheitsgründen andere Personen von dem Ort der Kamerainstallation fern. Achten Sie darauf, dass sich in der Nähe der Kamerainstallation keine Gegenstände des Personals befinden.
- Diese Kamera ist ein wasserdichtes Produkt, welches die Standards gemäß IP66 einhält. Sollten Sie jedoch weder M12-Standardanschluss noch das Kabel verwenden, ist das Buchsenteil nicht wasserdicht. Es wird empfohlen, bei der Installation dieses Produkts ein externes M12-Standardkabel zu verwenden.

Demontage

Entfernen Sie die Kuppelabdeckung nachdem Sie die Schrauben gelöst haben, indem Sie sie mit dem mitgelieferten sternförmigen Schraubenschlüssel gegen den Uhrzeigersinn drehen.

- Bitte notieren, dass es nicht notwendig ist, die Schraube völlig zu entfernen.

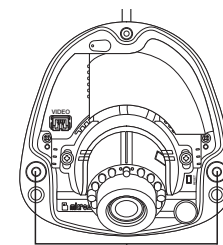


Wie man installiert

1. Ziehen Sie die zu überwachende Richtung in Erwägung, befestigen Sie die Schablone und bohren Sie Löcher, indem Sie nach der Schablone verfahren.

2. Befestigen Sie die Kamera mittels der Blechschrauben an den Löchern.

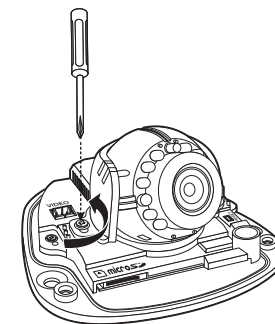
- Nutzen Sie die beiliegende Montagehalterung, wenn Sie das Produkt an der Wand montieren wollen.



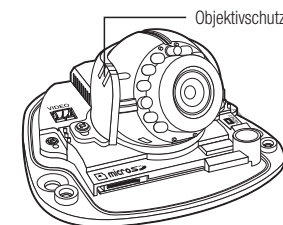
Schraubenöffnung

3. Drehen Sie die Schrauben an beiden Seiten der Abdeckung des Kameraobjektivs gegen den Uhrzeigersinn, um sie zu lockern.

- Entfernen Sie die Abdeckung des Objektivs (Schutzhaube) nicht gewaltsam, ohne die Schrauben zu lockern, denn dies könnte zu einem defekten Produkt führen.

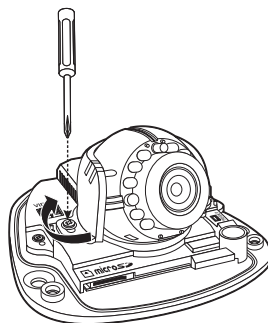


4. Stellen Sie das Objektiv in eine gewünschte Richtung ein, indem Sie den Abschnitt „Überwachungsrichtung der Kamera einstellen“ nachsehen. (Seite 13)



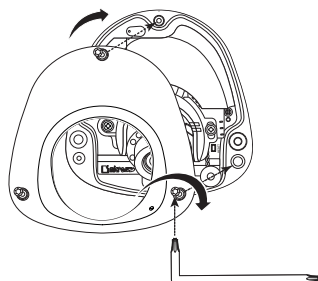
Objektivschutz

5. Nach Anpassen des Blickwinkels drehen Sie die Schrauben im Uhrzeigersinn, um den Objektivwinkel zu fixieren.



6. Decken Sie die Kuppelabdeckung ab und ziehen Sie die Schrauben mit einem sternförmigen Schraubenschlüssel im Uhrzeigersinn an, um die Abdeckung zu sichern.

! ■ Wenn die Abdeckung nicht fest fixiert wird, können Sie beim Wasserdicht machen auf Schwierigkeiten stossen.



So verbinden Sie das wasserdichte RJ45-Kabel mit einem LAN-Kabel (QNV-6023R)

1. Schieben Sie es in Pfeilrichtung durch.

2. Verbinden Sie den LAN-Stecker mit dem Kabel.

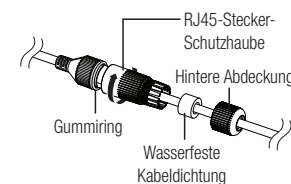
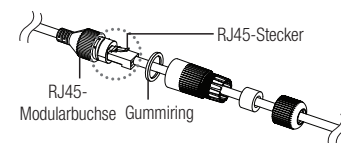
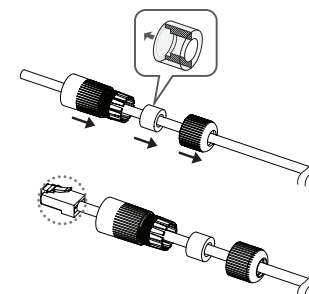
3. Verbinden Sie die RJ45-Modularbuchse mit dem RJ45-Stecker.

! ■ Halten Sie bitte jeden Teil getrennt von einander.

4. Montieren durch Drehen der RJ45-Modularbuchse und der Schutzklappe im Uhrzeigersinn (dem Pfeil folgen).

5. Montieren durch Drehen der RJ45-Schutzhaube und der hinteren Abdeckung im Uhrzeigersinn (dem Pfeil folgen). e hintere Abdeckung montiert, wird die wasserfeste Dichtung des Kabels fest an dem Kabel angebracht, damit das Kabel wasserdicht ist.

! ■ Sie müssen es vollständig montieren, um die hintere Abdeckung bis zum Ende des Gewindes des RJ45-Steckers zu drehen.

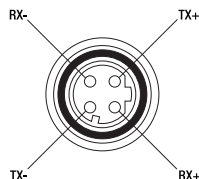


Anschluss eines Kabelsteckers (QNV-6024RM)

Schließen Sie den M12-Steckverbinder in der Bohrung des M12-Buchsensteckverbinders der Kamera an.

- Diese Kamera nutzt D-kodierte Buchsenversionen.
- PoE (Power over Ethernet) wird unterstützt.
- Es wird empfohlen, einen abgeschirmten Netzwerkverbinder zu verwenden.

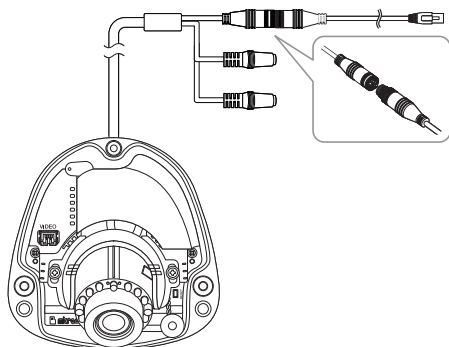
- Diese Kamera an ein abgeschirmtes Netzwerkabel (STP) anschließen.
- Verwenden Sie dazu 4-polige D-kodierte externe Kabel-Steckerversionen, die den M12-Vorgaben entsprechen.
- Überprüfen, ob das PoE-Gerät richtig geerdet ist.



Zur Herstellung einer Verbindung mithilfe des M12-RJ45-Konvertierungskabels (QNV-6024RM)

Den M12-Verbindungsstecker für das Konvertierungskabel mit dem Schlitz der M12-Steckbuchse Ihrer Kamera verbinden.

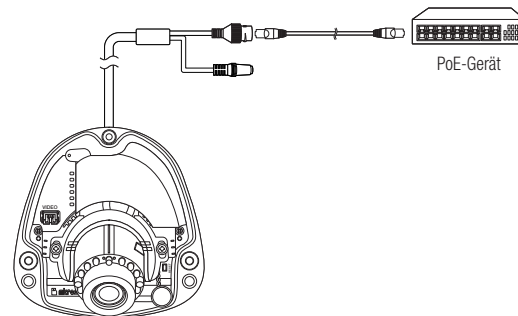
- Das M12-RJ45-Kabel wird gesondert verkauft.



Zur Energieversorgung und zur Vernetzung (QNV-6023R)

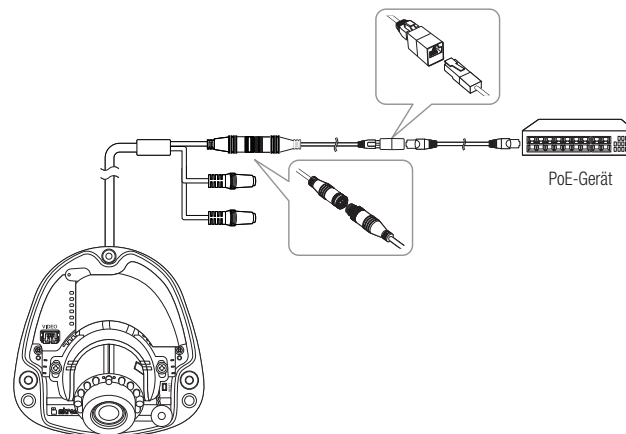
Verbinden Sie eine Kamera mit der PoE-Ausrüstung.

- Stellen Sie eine Verbindung mit einem PoE-Anschluss für einen PoE (Power over Ethernet) aktivierten Router her.
- Nutzen Sie ein mit IEEE802.3af-Protokollen konformes PoE (Power over Ethernet).



Antrieb und Netzwerkbetrieb (QNV-6024RM)

Verbinden Sie eine Kamera mit einer PoE-Ausrüstung oder verbinden Sie den M12-RJ45-Anschluss für das Konvertierungskabel Ihrer Kamera mit einer PoE-Ausrüstung.



- Die Verbindungsart wird entsprechend den Einbaubedingungen eines Benutzers variieren.
- An einen PoE (Power over Ethernet) aktivierten PoE-Steckverbinder anschließen.
- Der PoE (Power over Ethernet) muss mit dem IEEE802.3af-Protokoll harmonisieren. Es kann nur ein PoE-Gerät Typ A, bei dem die Stromversorgung über das Datenstiftpaar 1, 2, 3, 6 erfolgt, verwendet werden.
- Selbst bei Nutzung des M12-RJ45-Konvertierungskabels ist nur der Einsatz einer PoE-Ausrüstung Modus A möglich, die eine Stromversorgung der Datenpaar-Pins 1, 2, 3, 6 sorgt.

Netzwerk-kabel-Spezifikation

Artikel	Inhalte	Anmerkung
Stecker	RJ45	
Ethernet	10/100Base-T	10/100 Mbps
Kabel	Kategorie 5e	
Max. Entfernung	100M	Gleichstromwiderstand $\leq 0,125 \Omega/m$
PoE Support	IEEE 802.3af	

- ! Wenn Sie kein Kabel der 5e-Kategorie verwenden, ist eine Übertragungsdistanz von 100 m nicht garantiert.

Einbau im Außenbereich

Wird die Installation außerhalb des Gebäudes vorgenommen, ist sie mit einem Butylisoliertband (im Handel erhältlich) wasserundurchlässig zu machen, damit das Wasser nicht vom an die Außenseite angeschlossenen Kabelspalt auslaufen kann. (QNV-6023R)

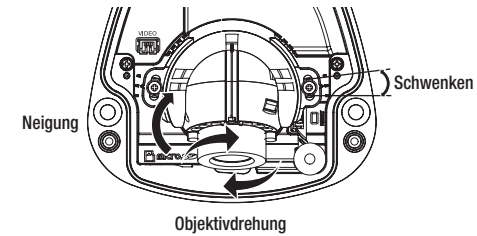
Da bei einer Installation an der Gebäudeaußenseite aus dem Spalt vom extern angeschlossenen Kabel Wasser auslaufen kann, wenn kein M12-Steckverbinder und M12-Kabel verwendet wird, muss im Hinblick auf die Wasserfestigkeit und wie nachstehend gezeigt ein Butylkautschukband benutzt werden. (QNV-6024RM)

1. Verbinden Sie das PoE-Kabel.
2. Wrap the black cable jacket (Area A) and the cable connection area with waterproof (butyl rubber) tape so that more than half of the butyl rubber tape is overlapped.



- ! Sollte die Kabelummantelung nicht richtig wasserundurchlässig sein, kann das zu einer unmittelbaren Undichtigkeit führen. Stellen Sie sicher, dass das Kabel dicht mit einem Klebeband geschützt ist.
- Waterproof butyl tape is made of butyl rubber that can be stretched to twice its normal length.

Überwachungsrichtung der Kamera einstellen



Anpassen der Überwachungsrichtung

Sie können die Richtung der Kamera nur einstellen, wenn die Kamera an der Decke befestigt ist. Wobei das Drehen der Kamera nach links oder rechts Schwenken, die Einstellung der Neigung Neigen und das Drehen des Objektivs um seine Achse Drehen genannt wird.

- Der maximale PAN-Bereich (drehen) liegt zwischen -5° und $+5^\circ$.
- Der ROTATE-Winkel (rotieren) ist entweder -90° oder $+90^\circ$.
- Der TILT-Gesamtbereich (schwenken) beträgt 67° .

- ! Eine Nutzung der Kamera außerhalb der in den Spezifikationen festgelegten Winkeln könnte zu einer Reflexion durch IR oder einem unscharfen Bild führen.

Anpassungsmethode

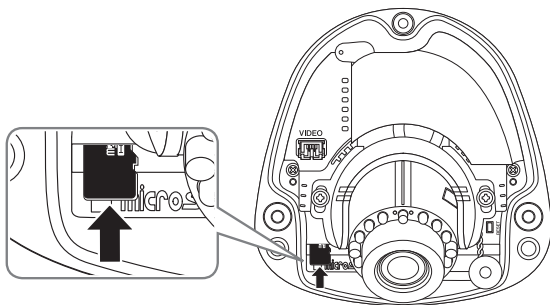
1. Passen Sie den Schwenkwinkel nach Installation der Kamera unter Erwägung der zu überwachenden Richtung an.
2. Den horizontalen Winkel so festlegen, dass das Bild nicht umgedreht ist.
3. Stellen Sie danach den Neigungswinkel so ein, dass die Kamera die Überwachungsrichtung blickt.

EINLEGEN/HERAUSNEHMEN EINER MICRO SD-SPEICHERKARTE

- ! ■ Das Netzkabel von der Kamera abtrennen, bevor die Micro SD-Speicherkarte eingelegt wird.
- Die Micro SD-Speicherkarte nicht mit Gewalt einlegen. Prüfen, ob die Karte richtig herum eingelegt wird. Ansonsten kann die Micro SD-Speicherkarte beschädigt werden.
- Bei Regen oder hoher Luftfeuchtigkeit empfiehlt es sich nicht, die Micro-SD-Karte einzulegen oder zu entfernen.
- Der Ausbau des Produktdeckels sollte innerhalb von 5 Minuten abgeschlossen sein, sonst besteht die Gefahr der Innenkondensation von Tau.

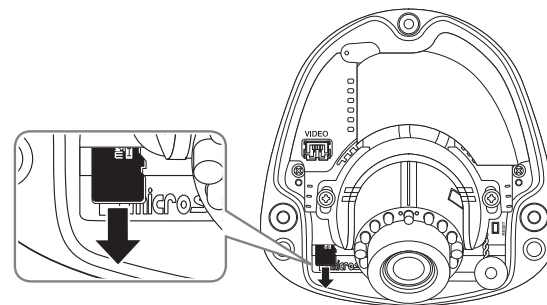
Einlegen einer Micro SD-Speicherkarte

Die Micro SD-Speicherkarte wie auf der Abbildung dargestellt in Pfeilrichtung drücken.



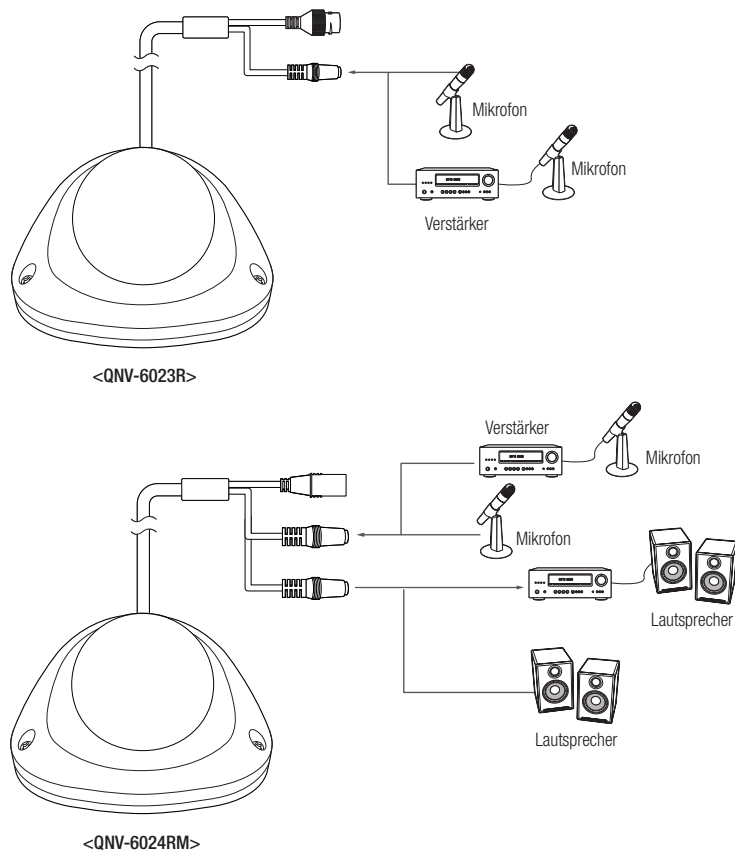
Herausnehmen einer Micro SD-Speicherkarte

Drücken Sie leicht am ungeschützten Ende der Speicherkarte, wie im Schaubild zu sehen, um die Speicherkarte aus dem Steckplatz auszuwerfen.



- ! ■ Seien Sie vorsichtig, da die Micro SD-Speicherkarte beim Auswerfen herausspringen kann, nachdem Sie auf diese fest drücken und anschließend loslassen.
- Before removing the Micro SD memory card, in <Speicherkapazität>, set the device to <Off> and press the [Übernehmen] button and turn the camera off.
- Wenn Sie die Kamera ausschalten oder die Micro SD-Speicherkarte mit Produktdaten entfernen, gehen Daten möglicherweise verloren oder werden beschädigt.

Audio E/A Blockdiagramm



1. Verbinden Sie den AUDIO IN Anschluss der Kamera mit dem Mikrofon oder dem LINE OUT Anschluss des Verstärkers, an den das Mikrofon angeschlossen ist.



■ Aufgrund des integrierten Mikrofons können Sie das eingebaute Mikrofon statt eines externen Mikrofons nutzen. (Nur für QNV-6024RM anzuwenden.)

■ In Umgebungen mit vielen Umgebungsgeräuschen empfehlen wir die Verwendung eines externen Mikrofons.

2. Verbinden Sie den AUDIO OUT Anschluss der Kamera mit dem Lautsprecher oder dem LINE IN Anschluss des Verstärkers, an den das Mikrofon angeschlossen ist.

3. Überprüfen Sie die Spezifikationen für den Audioeingang.

• Audio Codec

- Audioeingang : G.711 PCM (Bitrate: 64kbps / Abtastfrequenz: 8kHz), G.726 ADPCM (Bitrate: 16Kbps, 24Kbps, 32Kbps, 40Kbps / Abtastfrequenz: 8kHz)

- Audioausgang : G.711 PCM (Bitrate: 64kbps / Abtastfrequenz: 8kHz)

• Vollduplex Audio

• **Audio Ein (QNV-6023R)** : Line-in, unterstützte Spannung: 2,5 VDC (4 mA), Eingangsimpedanz: 2 K Ohm

• **Audio Ein (QNV-6024RM)** : Wahlweise (Mikrofon/Line-in/Integriertes Mikrofon), unterstützte Spannung: 2,5 VDC (4 mA), Eingangsimpedanz: 2 K Ohm

• **Audio Aus** : Line-out, maximale Leistung: 1 Vrms

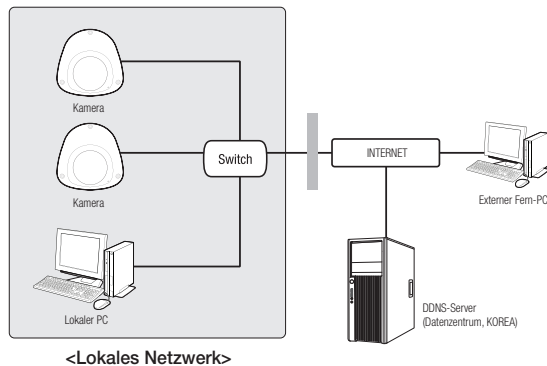
• **Line out Impedanz** : 600Ω

Sie können die Netzwerkeinstellungen gemäß Ihrer Netzwerkkonfigurationen einrichten.

DIREKTES VERBINDEN DER KAMERA AN DAS LAN

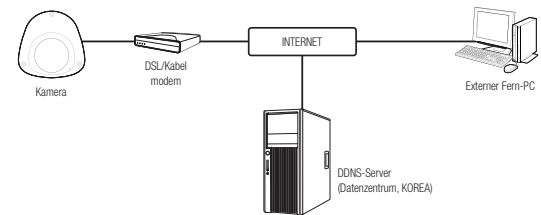
Anschluss an die Kamera von einem lokalen PC im LAN

1. Starten Sie einen Internetbrowser am lokalen PC.
2. Geben Sie die IP-Adresse der Kamera in die adressenleiste des browsers ein.



- Ein Fern-PC in einem externen Internetausgang des LAN Netzwerks kann eventuell die im Intranet installierte Kamera nicht ansteuern, wenn die Portweiterleitung nicht korrekt festgelegt oder eine Firewall eingestellt ist. Wenden Sie sich in dem Fall zur Lösung des Problems an Ihren Netzwerkadministrator.
- Standardmäßig, wird die IP-Adresse vom DHCP-Server automatisch zugeteilt. Wenn keinen DHCP-Server verfügbar ist, wird die IP-Adresse auf 192.168.1.100 gesetzt. Zum Ändern der IP-Adresse den Device Manager verwenden. Für weitere Einzelheiten zur Verwendung des Device Manager, siehe „Verwenden des Device Manager“. (Seite 17)

VERBINDEN DER KAMERA DIREKT MIT EINEM DHCP BASIERTEN DSL/ KABELMODEM



1. Den Benutzer-PC direkt mit der Netzwerkkamera verbinden.
2. Den Device Manager ausführen und die IP-Adresse der Kamera ändern, so dass Sie sich mit dem Webbrowser auf Ihrem Desktop mit dem Internet verbinden können.
3. Verwenden Sie den Webbrowser, um eine Verbindung mit dem Web Viewer herzustellen.
4. Gehen Sie weiter zur **[Setup]** Seite.
5. Gehen Sie weiter zum **[Netzwerk] – [DDNS]** und konfigurieren Sie die DDNS-Einstellungen.
6. Zu **[Basic] – [IP & Port]** navigieren und den IP-Typ auf **[DHCP]** einstellen.
7. Verbinden Sie die Kamera, die von Ihrem PC entfernt wurde, direkt mit dem Modem.
8. Starten Sie die Kamera erneut.

- Informationen für das Einrichten von DDNS finden Sie in der Online-Hilfe des WebViewer.
- Informationen für das Einrichten des IP-Formats finden Sie in der Online-Hilfe des WebViewer.

VERWENDEN DES DEVICE MANAGER



- Das Programm Device Manager kann heruntergeladen werden im Menü **<Technical Guides>** – **<Online Tool>** auf der Hanwha Techwin Webseite (<http://www.hanwha-security.com>).
- Weitere Anweisungen zum Device Manager finden sich im Menü **<Hilfe>** auf der Hauptseite.

AUTOMATISCHE SUCHE DER KAMERA

Wenn eine Kamera mit dem selben Netzwerk des PCs, auf dem der Device Manager installiert ist, verbunden ist, kann die Netzwerkkamera mit der Suchfunktion gefunden werden.

- Auf der Hauptseite des Device Manager auf **<Suchen>** klicken.
- Die Kamera in der Liste auswählen.
 - Die MAC-Adresse auf dem Aufkleber an der Kamera prüfen.

KONFIGURIEREN DER IP-ADRESSE

Wenn Sie die Netzwerkeinstellung der Kamera ändern möchten, muss das Symbol **<Login OK>** unter **<Status>** angezeigt werden. Zum Anmelden auf der Hauptseite auf **<Authentifizierung>** klicken.

Konfigurieren der statischen IP

IP-Adresse und Port-Informationen manuell eingeben und konfigurieren.

- In der Liste auf die Kamera klicken, von der die IP-Einstellungen geändert werden sollen.
- Auf der Hauptseite des Device Manager auf **<IP Assign (IP zuweisen)>** klicken.
- <Die folgende IP-Adresse zuweisen.>** auswählen.
 - Die IP-Informationen der Kamera werden wie zuvor eingestellt angezeigt.
- IP & Port in die entsprechenden Felder eingeben.

Wenn Sie keinen Breitband-Router verwenden

Den Administrator des Netzwerks nach den Werten für **<IP-Adresse>**, **<Subnetzmaske>** und **<Gateway>** fragen.

- HTTP Port : Zum Zugriff auf die Kamera über den Internetbrowser. Standardmäßig ist der Wert 80 eingestellt.
- RTSP Port: Ein Port, der das Echtzeit-Streaming steuert. Der Initialwert ist 554.

Bei Verwendung eines Breitband-Routers

- IP Address : Geben Sie eine Adresse ein, die sich im IP-Bereich des Breitband-Routers befindet.
bsp) 192.168.1.2~254, 192.168.0.2~254, 192.168.XXX.2~254
- Subnet Mask : Die **<Subnet Mask>** des Breitband-Routers ist ebenfalls die **<Subnet Mask>** der Kamera.
- Gateway : Die **<Local IP Address>** des Breitband-Routers ist das **<Gateway>** der Kamera.



- Die Netzwerkeinstellungen können sich je nach verbundenem Breitband-Router modell unterscheiden. Für mehr Informationen, lesen Sie im Benutzerhandbuch des Routers nach.
- Für weitere Informationen über die Portweiterleitung des Breitband Routers, bitte unter **"Portbereichweiterleitung Konfigurieren (Port Mapping)"** nachschlagen. (Seite 19)

Wenn mehrere Kameras mit dem Breitband-Router verbunden sind

Konfigurieren Sie die IP- und Port-Einstellungen für jede Kamera einzeln und in Übereinstimmung mit den anderen.

bsp)

Kategorie		Kamera #1	Kamera #2
IP-Einstellungen	IP Address	192.168.1.100	192.168.1.101
	Subnet Mask	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
Port-Einstellungen	HTTP Port	8080	8081
	RTSP Port	554	555



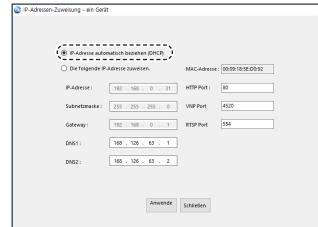
- Wenn der Wert des **<HTTP port>** nicht 80 ist, müssen Sie die **<Port>**-Nummer in die Internetadresszeile eingeben, bevor Sie auf die Kamera zugreifen können.
bsp) <http://IP-Adresse: HTTP-Port>
<http://192.168.1.100:8080>

- Auf die Schaltfläche **[Anwenden]** klicken.
- Wenn die Erfolgsmeldung erscheint, auf **[OK]** klicken.

Konfigurieren der dynamischen IP

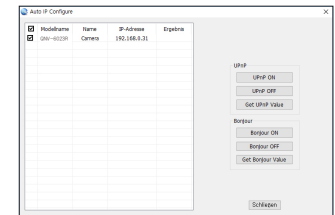
IP-Adresse vom DHCP-Server beziehen.

- Beispiel einer dynamischen IP-Umgebung
 - Wenn einem Breitband-Router, mit dem Kameras verbunden sind, eine IP-Adresse von einem DHCP-Server zugewiesen wird
 - Wenn die Kamera direkt mit einem xDSL- oder Kabelmodem mithilfe eines DHCP-Protokolls verbunden wird
 - Wenn die IP-Adressen von dem internen DHCP-Server über eine LAN-Verbindung zugewiesen werden
1. In der Liste auf die Kamera klicken, von der die IP-Einstellungen geändert werden sollen.
 2. Auf der Hauptseite des Device Manager auf **<IP Assign (IP zuweisen)>** klicken.
 3. **<IP-Adresse automatisch beziehen (DHCP)>** auswählen.
 4. Auf die Schaltfläche **[Anwenden]** klicken.
 5. Wenn die Erfolgsmeldung erscheint, auf **[OK]** klicken.



AUTOMATISCHE KONFIGURATION DER IP

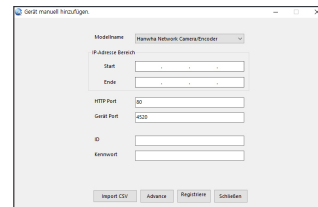
1. In der Liste auf die Kamera klicken, von der die IP automatisch konfiguriert werden soll.
2. Auf der Hauptseite des Device Manager auf **< + >** klicken.
 - Das Menü Equipment Setting erscheint.
3. Im Menü auf **<Auto IP Configure (Automatische IP-Konfiguration)>** klicken.
4. Auf die Schaltfläche **[Schließen]** klicken.



MANUELLES REGISTRIERUNG DER KAMERA

Wenn die Kamera mit der Suchfunktion nicht gefunden werden kann, kann die Kamera aus der Ferne registriert werden, indem die IP-Information manuell eingegeben werden, wenn die Kamera mit dem externen Netzwerk verbunden ist.

1. Auf **<Geräte hinzufügen>** – **<Gerät manuell hinzufügen>** auf der Hauptseite des Device Manager klicken.
2. Den Bereich der IP-Adresse, den Sie suchen, eingeben.
3. Den **<Modellname>** der Kamera, die Sie registrieren wollen, auswählen und HTTP Port, ID und Passwort eingeben.
4. Auf die Schaltfläche **[Registrieren]** klicken.
5. Prüfen, ob die Kamera registriert ist.
 - Die MAC-Adresse auf dem Aufkleber an der Kamera prüfen.

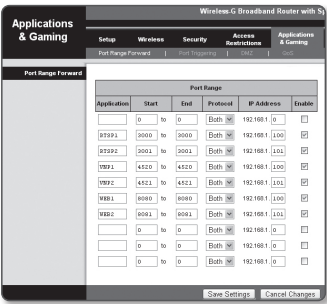


PORTBEREICHWEITERLEITUNG KONFIGURIEREN (PORT MAPPING)

Wenn Sie einen Breitband-Router mit verbundener Kamera installiert haben, müssen Sie die Weiterleitung des Portbereichs für den Breitband-Router einstellen, damit auch ein entfernter Computer auf die verbundene Kamera zugreifen kann.

Manuelle Portbereichweiterleitung

- 1. Wählen Sie aus dem Einstellungsmenü des Breitband-Routers **<Applications & Gaming>** - **<Port Range Forward>**. Für die Einstellung der Portbereichweiterleitung eines Breitband-Routers von einem anderen Anbieter lesen Sie die Bedienungsanleitung dieses Breitband-Routers.
- 2. Wählen Sie **<TCP>** und **<UDP Port>** für jede Kamera, die mit dem Breitband-Router verbunden ist. Jede Portnummer, die beim IP-Router eingestellt wird, sollte entsprechend der bei den **<Setup>** - **<Basic>** - **<IP & Port>** im Kamera-Web-Viewer festgelegten Portnummer übereinstimmen.
- 3. Wenn Sie fertig sind, klicken Sie auf **[Save Settings]**. Ihre Einstellungen werden gespeichert.

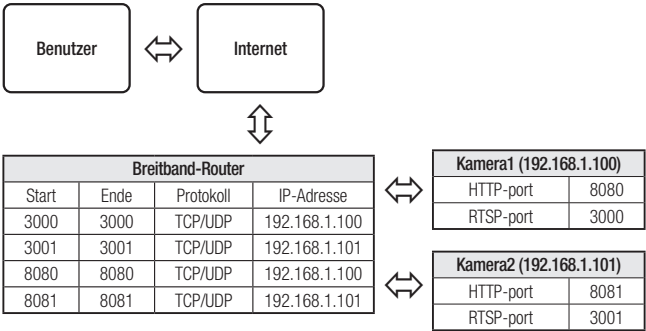


- Die Einstellung des Port-Forwarding wird am Beispiel der Einstellung eines CISCO IP-Routers gezeigt.
- Die Netzwerkeinstellungen können sich je nach Breitband-Routermodell unterscheiden. Für mehr Informationen, lesen Sie im Benutzerhandbuch des Routers nach.

Einstellen des Portweiterleitungsbereichs für mehrere Netzwerkkameras

- Sie können auf dem Breitband-Router-Gerät durch seine Webseitekonfiguration Portweiterleitung-Richtlinien setzen.
- Ein Benutzer kann jeden Port durch Verwendung des Kamera-Einstellungsbildschirms ändern.

Wenn Kamera 1 und Kamera 2 an einen Router angeschlossen sind :



- Die Port-Weiterleitung lässt sich ohne zusätzliche Router-Einstellung vornehmen, wenn der Router die UPnP (Universal Plug and Play) Funktion unterstützt. Nach dem Anschließen der Netzwerkkamera das Kontrollkästchen aus dem Menü **<Schnelle Verbindung>** in **<Wissenet-DDNS>** unter **"Einstellungen -> Netzwerk -> DDNS"** anticken.

VON EINEM GEMEINSAMEN LOKALEN PC EINE VERBINDUNG ZU DER KAMERA HERSTELLEN

1. Device Manager ausführen.
Es wird nach verbundenen Kameras gesucht und eine entsprechende Liste angezeigt.
2. Doppelklicken Sie auf eine Kamera, um auf sie zuzugreifen.
Der Internetbrowser wird gestartet und stellt eine Verbindung zu der Kamera her.



- Sie können ebenfalls auf die Kamera zugreifen, indem Sie die IP-Adresse der gefundenen Kamera in der Adresszeile des Internetbrowsers eingeben.

VON EINEM ENTFERNTEN PC EINE VERBINDUNG ZU DER KAMERA ÜBER DAS INTERNET HERSTELLEN

Auf einem entfernten Computer, der sich nicht im Netzwerk-Cluster des Breitband-Routers befindet, können Anwender auf Kameras im Netzwerk des Breitband-Routers durch die Verwendung der DDNS-URL der Kamera zugreifen.

1. Bevor Sie auf eine Kamera im Breitband-Routernetzwerk zugreifen können, sollten Sie die Portbereichweiterleitung für den Breitband-Router eingestellt haben.
2. Starten Sie den Internetbrowser auf dem entfernten Computer und geben Sie die DDNS-URL der Kamera oder die IP-Adresse des Breitband-Routers in die Adresszeile ein.
bsp) <http://ddns.hanwha-security.com/ID>

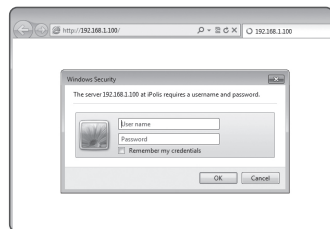


- Zur Verwendung von Wisenet DDNS auf der Wisenet DDNS Homepage anmelden (<http://ddns.hanwha-security.com>) und das Produkt unter **[Mein DDNS]>[Produkt registrieren]** registrieren.

VERBINDUNG MIT DER KAMERA

Sie würden, normalerweise

1. Starten Sie den Internetbrowser.
2. Die IP-Adresse der Kamera in die Adresszeile eingeben.
 bsp) • IP Adresse (IPv4) : 192.168.1.100 →
 http://192.168.1.100
 - Der Anmeldedialog sollte erscheinen.
 • IP Adresse (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111
 → http://[2001:230:abcd:ffff:0000:0000:ffff:1111] - Der
 Anmeldedialog sollte erscheinen.



Falls die Nummer des HTTP-Ports nicht 80 ist

1. Starten Sie den Internetbrowser.
2. Geben Sie in die Adressleiste des Browsers die IP-Adresse und die HTTP-Portnummer ein.
 bsp) IP Adresse: 192.168.1.100:HTTP-Portnummer(8080)
 → http://192.168.1.100:8080 - Der Anmeldedialog sollte erscheinen.

URL Benutzen

1. Starten Sie den Internetbrowser.
2. Geben Sie in die Adressleiste des Browsers die DDNS-URL-Adresse der Kamera ein.
 bsp) URL-Adresse: http://ddns.hanwha-security.com/ID
 - Der Anmeldedialog sollte erscheinen.



■ Die Netzwerkverbindung ist in der nur LAN-Umgebung deaktiviert.

Verbindung über UPnP

1. Das Kunden- oder Betriebssystem zur Unterstützung des UPnP-Protokolls ausführen.
2. Für die Suche den Kameranamen anklicken.
 Den Kameranamen, der aus dem Netzwerkmenü gesucht wurde, im Windows Betriebssystem anklicken.
 - Das Fenster Anmelden wird angezeigt.

Verbindung über Bonjour

1. Das Kunden- oder Betriebssystem zur Unterstützung des Bonjour- Protokolls ausführen.
2. Für die Suche den Kameranamen anklicken.
 Beim Mac-Betriebssystem den Kameranamen anklicken, der von der Bonjour Registerkarte von Safari gesucht wurde.
 - Das Fenster Anmelden wird angezeigt.

So überprüfen Sie die DDNS-Adresse

Wenn die Kamera direkt mit dem DHCP-Kabelmodem, DSL-Modem oder PPPoE-Modem verbunden ist, wird die IP-Adresse Ihres Netzwerks jedes Mal geändert, wenn Sie versuchen eine Verbindung mit dem ISP (Internetserviceanbieter) -Server aufzunehmen.

In diesem Fall werden Sie nicht über die durch DDNS geänderte IP-Adresse informiert.

Sobald Sie ein auf dynamischer IP basierendes Gerät beim DDNS-Server registrieren, können Sie die geänderte IP-Adresse einfach überprüfen, wenn Sie versuchen auf das Gerät zuzugreifen.

Um das Gerät auf dem <DDNS> Server zu registrieren, besuchen Sie bitte <http://ddns.hanwha-security.com>, registrieren Sie zuerst Ihr Gerät stellen Sie anschließend im Net Viewer unter <Netzwerk> - <DDNS> auf <Wisenet DDNS> und geben Sie ebenfalls die <Produkt-ID> ein, die Sie bei der DDNS-Registrierung verwendet haben.

PASSWORTEINSTELLUNG

Beim ersten Zugriff auf das Produkt, müssen Sie das Anmelde-Passwort registrieren.



- Für ein neues Passwort mit 8 bis 9 Ziffern müssen Sie mindestens drei der Folgenden verwenden: Groß-/Kleinbuchstaben, Zahlen und Sonderzeichen. Für ein Passwort mit 10 bis 15 Ziffern müssen Sie mindestens zwei dieser Zeichentypen verwenden.
 - Zulässige Sonderzeichen sind: ~!@#\$%^&*()-+=|{}[];?/
- Zur erhöhten Sicherheit wird empfohlen, nicht die gleichen Zeichen oder aufeinanderfolgende Eingaben der Tastatur zu wiederholen.
- Falls Sie Ihr Passwort vergessen haben, können Sie die Schaltfläche **[RESET]** drücken und das Produkt initialisieren. Verwenden Sie ein Memo-Pad oder merken Sie sich Ihr Passwort.

Administrator password change

New password

Confirm new password

. 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 characters are available for use: ~!@#\$%^&*()-+=|{}[];?/
 . Don't use 4 or more characters consecutive together. (examples: 1234, abcd)
 . Don't use 4 or more characters repeated. (examples: 1111, 1111, aaaa)

ANMELDEN

Immer, wenn Sie auf die Kamera zugreifen, wird das Anmeldefenster angezeigt. Geben Sie den Benutzernamen und das Passwort ein, um auf die Kamera zuzugreifen.

- Geben Sie „**admin**“ in das <User name> Eingabefeld ein. Die Administrator ID, „**admin**“, kann nicht verändert werden.
- Geben Sie das Passwort in dem Eingabefeld <Password> ein.
- Klicken Sie auf **[OK]**.
Wenn Sie sich erfolgreich angemeldet haben, werden Sie den Live Viewer Bildschirm sehen.



- Achten Sie beim Zugriff auf den Kamera-Webviewer besonders auf die Sicherheit, indem Sie nachprüfen ob die Bilddaten verschlüsselt sind.



- Wenn Sie die Option „**Remember my credentials**“ wählen, nachdem Ihre Eingabe beendet ist, werden Sie automatisch angemeldet ohne zukünftig aufgefordert zu werden, Ihre Anmeldeinformationen einzugeben.
- Die beste Bildqualität wird erreicht, wenn die Bildschirmgröße auf 100% eingestellt ist. Reduzierung des Bildseitenverhältnis kann das Bild an den Rändern abschneiden.

Windows Security

The server 192.168.1.100 at IPolis requires a username and password.

User name

Password

☐ Remember my credentials

OK Cancel

EINRICHTUNG VON CAMERA WEB VIEWER

- Klicken Sie auf das **[Einrichten (⚙️)]**-Symbol.
- Das Fenster für die Einstellungen erscheint.
- Sie können Einstellungen für die grundlegenden Informationen der Kamera, das Video, das Audio, das Netzwerk, das Ereignis, die Analyse sowie für das Kamerasystem über das Netzwerk konfigurieren.
- Klicken Sie auf **<Hilfe (🔗)>** um detaillierte Beschreibungen jeder Funktion betrachten zu können.

SPEZIFIKATIONEN

Elemente		Beschreibung	
		QNV-6023R	QNV-6024RM
Video	Bildaufnahmegerät	1/2.8" 2M CMOS	
	Effektive Pixel	1920(H)x1080(V)	
	Mindestbeleuchtung	Farbe : 0,1 lux(F2.0, 1/30 Sek.) S/W : 0,04 lux (IR-LED ein)	
	Videoausgang	CVBS : 1,0 Vp-p / 75Ω Composite, 720x480(N), 720x576(P), für die Installation	
Objektiv	Brennweite (Zoomrate)	3,6 mm, fester Fokus	
	Max. Blendenverhältnis	F2.0	
	Sichtwinkelfeld	H : 94,8°, V : 49,3°, D : 114,3°	
	Mindestentfernung zum Objekt	0,5 m	
Schwenken / Neigen / Drehen	Schwenk-/Neigungs-/Drehbereich	±5°/0-67°/±90°	
Funktionsweise	IR Sichtbare Länge	15m (49,21Fuß)	
	Kameratitel	Bis zu 85 Zeichen werden angezeigt	
	Tag und Nacht	Auto (ICR)	
	Gegenlichtkompensation	BLC, WDR, SDR	
	BREIT-Dynamischer Bereich	120dB	
	Digitale Rauschunterdrückung	SSNR	
	Bewegungserkennung	4 ea, polygonale Zonen	
	Privatsphärenausblendung	6 ea, rechteckige Zonen	
	Verstärkungssteuerung	Gering / Mittel / Hoch	
	Weißabgleich	ATW / AWC / Manuell / Innenbereich / Außenbereich	
	LDC	Support	
	Elektronischer Blendenverschluss	Minimum / Maximum / Anti-Flimmern (1/5 ~ 1/12 000 Sek.)	
	Videodrehung	Umdrehen, Spiegeln, Hausfluransicht (90°/270°)	
	Analyse	Unschärfe-Ermittlung, Richtungserkennung, Bewegungserkennung, Betreten/Verlassen, Herumstehen, Virtuelle Linie	
	Alarm Auslöser	Analyse, Netzwerk trennen	

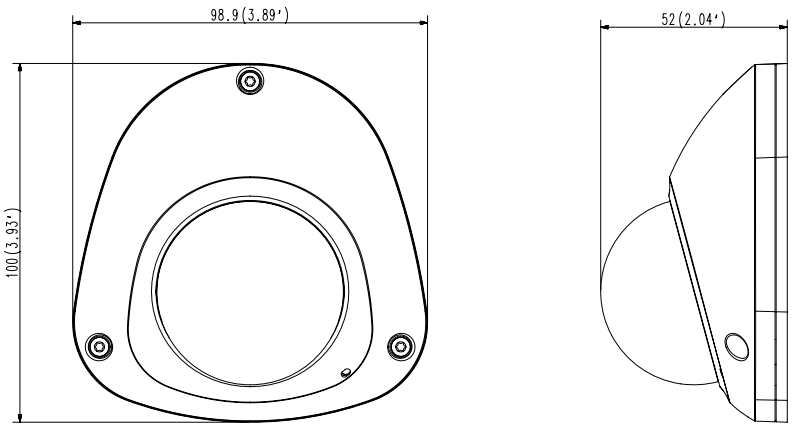
Elemente		Beschreibung	
		QNV-6023R	QNV-6024RM
Funktionsweise	Alarmereignisse	Datei Hochladen über FTP, E-Mail Benachrichtigung über E-Mail SD-/SDHC-/SDXC- oder NAS-Aufnahme durch Ereignis auslösen	
	Audio In	Line in	Auswählbar (Mic in/Line in/Integriertes Mikrofon)
	Audio aus	-	Line-out, Maximale Leistung: 1Vrms
Netzwerk	Ethernet	RJ-45(10/100BASE-T)	M12 (10/100BASE-T)
	Video-Kompression	H.265/H.264: Main/Baseline/High, MJPEG	
	Auflösung	1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360	
	Max. Framerate	H.265/H.264 : Max 60fps/50fps (60Hz/50Hz) MJPEG : Max 30fps/25fps (60Hz/50Hz)	
	Smart Codec	WiseStream II	
	Video Qualität Anpassung	H.264/H.265 : Zielbitrate Pegelsteuerung MJPEG : Qualitätslevelsteuerung	
	Bitraten-Steuerung	H.264/H.265 : CBR oder VBR Motion JPEG : VBR	
	Streaming	Unicast (6 Nutzer) / Multicast Multi-Streaming (bis zu 3 Profile)	
	Audio-Kompression	G.711 µ-law / G.726 auswählbar G.726 (ADPCM) 8kHz, G.711 8kHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps	
	Protokoll	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	
	Sicherheit	HTTPS (SSL) Authentifizierungsprotokoll Anmelde-Übersicht Authentifizierung IP-Adressfilter Benutzerzugriff Protokoll 802.1X Authentifizierungsmethode (EAP-TLS, EAP-LEAP)	
	Randspeicher	Micro SD/SDHC/SDXC 1slot 128GB	

Elemente		Beschreibung	
		QNV-6023R	QNV-6024RM
Netzwerk	Anwendungsprogrammierschnittstelle	ONVIF Profile S/G/T SUNAPI(HTTP API) Offene Wisenet-Plattform	
	Sprache der Webseite	Englisch, Koreanisch, Chinesisch, Französisch, Italienisch, Spanisch, Deutsch, Japanisch, Russisch, Schwedisch, Portugiesisch, Tschechisch, Polnisch, Türkisch, Niederländisch	
	Web Viewer	Unterstützte Betriebssystem : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Empfohlener Browser: Google Chrome Unterstützte Webbrowser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit unterstützt), Apple Safari(Mac OS X unterstützt)	
	Speicher	512 MB RAM, 256 MB Flash	
Betriebsbedingungen	Betriebstemperatur / Feuchtigkeit	-30°C ~ +55°C (-22°F ~ +13 1°F) / Weniger als 90% rel.Luftfeuchtigkeit	
	Lagerungstemperatur / Feuchtigkeit	-50°C ~ +60°C (-58°F ~ +140°F) / Weniger als 90% rel.Luftfeuchtigkeit	
	Zertifizierung	IP66, IK10, NEMA4X EN55011:2009+A1:2010, EN50581:2012,EN50121-3-2:2015, EN61000-4-2:2009, EN61000-4-3:2006+A2:2010, EN61000-4-4:2012, EN61000-4-5:2014 EN61000-4-6:2009, EN50155:2007 EN45545-2, NFPA130, BSS7239, E-mark	
Elektrisch	Eingangsspannung	PoE(IEEE802.3af, Klasse 3)	
	Energieverbrauch	PoE: Max 6,7 W, typisch 5 W	
Mechanisch	Farbe / Materiell	Elfenbein / Aluminium	
	Produktabmessungen/ Gewicht	98,9 x 52,0 x 100,0 mm (3,89 x 2,05 x 3,94"), 295 g (0.65 lb)	

PRODUKTANSICHT

QNV-6023R/QNV-6024RM

Einheit: mm (inch)



FEHLERSUCHE

PROBLEM	LÖSUNG
Wenn ein Benutzer von Windows 10 über Chrome oder Firefox auf den Webviewer zugreift, ändert sich von Zeit zu Zeit die Lautstärke des Mikrofons.	Dies geschieht, wenn der Mikrofontreiber auf Realtek-Treiber festgelegt wurde. Installieren Sie das High Definition Audio-Gerät (Standardtreiber von Windows) oder den Drittreiber als Mikrofontreiber.
Wenn Sie unter Safari per HTML auf den Plug-in-freien Webviewer zugreifen, wird kein Video angezeigt.	- Bei dem ersten Zugriff auf HTTPS klicken Sie im Pop-up-Fenster zu Authentifizierung auf "Authentifizierungszertifikat anzeigen" und wählen Sie das Feld "Beim Verbinden zur IP des designierten Webviewers immer vertrauen" aus. - Wenn im Webviewer weiterhin kein Video angezeigt wird, nachdem Sie im Nachrichtenfenster unten "Weiter" ausgewählt haben, klicken Sie auf die Befehlstaste + Q, um den Safari-Browser zu verlassen. Rufen Sie ihn dann erneut auf und folgen Sie den oben angegebenen Schritten.
Ich kann von einem Webbrowser nicht auf die Kamera zugreifen.	- Überprüfen Sie, ob die Netzwerkeinstellungen der Kamera entsprechend sind. - Kontrollieren Sie, oballe Netzkabel korrekt angeschlossen wurden. - Prüfen Sie bei einer Verbindung über DHCP, ob die Kamera dynamische IP-Adressen problemlos erhalten kann. - Prüfen Sie, wenn die Kamera mit einem Breitband-Router verbunden ist, ob die Portweiterleitung korrekt konfiguriert ist.
Der Viewer wurde während der Überwachung getrennt.	- Verbundene Viewer werden nach etwaigen Änderungen an der Kamera oder den Netzwerkkonfigurationen getrennt. - Prüfen Sie alle Netzwerkverbindungen.
Die mit dem Netzwerk verbundene Kamera wird im Programm Device Manager nicht erkannt.	Schalten Sie die Firewall-Einstellungen an Ihrem PC aus und suchen Sie dann die Kamera erneut.
Die Bilder überlappen.	Prüfen Sie, ob zwei oder mehr Kameras auf einer einzigen Multicast-Adresse anstelle verschiedener Adressen festgelegt sind. Wenn eine einzige Adresse für mehrere Kameras verwendet wird, können die Bilder überlappen.
Es wird kein Bild eingeblendet.	Wenn die Übertragungsmethode auf Multicast festgelegt ist, müssen Sie überprüfen, ob ein Router vorhanden ist der Multicast im LAN, an das die Kamera verbunden ist, unterstützt.

PROBLEM	LÖSUNG
Stimme wird nicht aufgezeichnet, obwohl die Audio-Eingabeeinstellungen konfiguriert wurden.	Wählen Sie das <Audio-Eingang>-Kontrollkästchen aus <Basic> - <Videoprofil> aus.
<Bewegungserkennung> des <Analyse> ist auf <Aktivieren> eingestellt, doch haben mich keine E-Mails mit Benachrichtigungen erreicht, selbst wenn ein Analyse-Ereignis eingetreten ist.	- Überprüfen Sie die Einstellungen in der folgenden Reihenfolge: A. Prüfen Sie die Einstellungen unter <Datum & Uhrzeit>. B. Die <Bewegungserkennung> muss auf <Aktivieren> gestellt sein. C. Prüfen Sie, ob die Option <E-mail> im <Ereigniseinrichtung> Menü markiert ist.
Auf die Micro SD Speicherkarte kann nicht aufgenommen werden.	Auf die SD-Speicherkarte kann nicht aufgenommen werden.
Die Micro SD Speicherkarte ist eingelegt, aber die Kamera funktioniert nicht richtig.	- Überprüfen Sie, ob die Speicherkarte richtig herum eingelegt wurde. Für diese Kamera kann nicht garantiert werden, dass eine Speicherkarte, die mit einem anderen Gerät formatiert wurde, reibungslos funktioniert. - Formatieren Sie die Speicherkarte über das Menü <Setup> → <Ereignis> → <Speicherkapazität>.
Kann nicht in NAS aufnehmen.	Bestätigen Sie, dass die in NAS registrierten Informationen richtig sind.
Meldet, dass die NAS-Einstellung fehlgeschlagen ist.	- Bestätigen Sie, dass die IP-Adresse des NAS gültig ist. - Bestätigen Sie, dass die ID/dass Passwort des NAS gültig ist. - Bestätigen Sie, dass Sie auf den als Basisordner bezeichneten Ordner mit der NAS-ID zugreifen können. - Bestätigen Sie, dass die NAS SMB/CIFS-Punkte nicht angekreuzt sind. - Bestätigen Sie, dass die NAS IP-Adresse und die Kamera-IP-Adresse dasselbe Format haben. - Ex) Der Erstwert des NAS & der Kamerasubnetzmaske ist 255.255.255.0. - Ist die IP-Adresse 192.168.20.32, sollte sich die NAS IP-Adresse im Bereich von 192.168.20.1~192.168.20.255. befinden - Prüfen Sie, ob Sie als ein anderer Benutzer ohne Formatierung des gespeicherten oder benutzten Basisordners zugreifen wollten. - Bestätigen Sie, dass Sie empfohlene NAS-Ausrüstung benutzen.

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GPL SW

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	
zeroconf	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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established by T-Engine Forum
on January 23, 2004
revised on June 17, 2004
revised on December 21, 2006
revised on March 24, 2009

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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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