

NETZWERKKAMERA

Benutzerhandbuch

XNV-6012/XNV-6012M/XNV-6013M
XNV-6022R/XNV-6022RM

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 abgeklipmt 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. 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.
16. 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.
17. 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.
18. 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 and Anschluss (Installation and connection)" in der Bedienungsanleitung.
19. 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.

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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EMPFOHLENE PC-SPEZIFIKATIONEN

- CPU : Intel(R) Core(TM) i7 3.4 GHz oder höher
- RAM : 8G oder höher
- Unterstützte Betriebssystem : Windows, Mac OS X
- **Plug-in freier Web-Viewer**
Unterstützte Webbrowser: Google Chrome, MS Edge, Mozilla Firefox(wird nur bei Windows 64bit), Apple Safari (wird nur bei Mac OS X)
- **Plug-in-Web-Viewer**
Unterstützte Webbrowser: MS Explorer, Apple Safari (wird nur bei Mac OS X)

※ Detaillierte Informationen zur Betriebssystem- und Browserversion können Sie dem Anhang entnehmen.

EMPFOHLENE TECHNISCHE DATEN FÜR MICRO SD/SDHC/SDXC
SPEICHERKARTEN

- Empfohlene Kapazität : 16GB bis 256GB (MLC-Typ)
- Folgende Typen von Speicherkarten der folgenden Hersteller werden für diese Kamera empfohlen.
 - Hersteller: SanDisk, Transcend
 - Produktfamilie: Hohe Standfestigkeit

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.

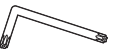
Empfohlene Produkte	Verfügbare Größen
QNAP NAS	Maximal 16 Kameras können gleichzeitig zugreifen.
Synologie NAS	Maximal 16 Kameras können gleichzeitig zugreifen.



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

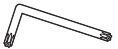
LIEFERUMFANG (XNV-6012/6012M/6022R/6022RM)

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		XNV-6012/ XNV-6012M/ XNV-6022R/ XNV-6022RM
	Kurzableitung (Optional)	1		Für alle Modelle verwendbar
	Garantiekarte (Optional)	1		
	Sternförmiger Schraubenschlüssel	1	Zum Entfernen/Befestigen der Kuppelabdeckung	
	M4-Blechschaube	2	Wird zur Montage der Kamera an der Wand oder Decke genutzt	
	Plastikdübel	2	Zum Befestigen einer in einer Bohrung eingesetzten Schraube (verstärkende, verankernde Wirkung)	
	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	
	RJ45 wasserfestes Zubehör	1	Wird genutzt, um das RJ45- Anschlusskabel wasserfest zu machen	XNV-6012/ XNV-6022R

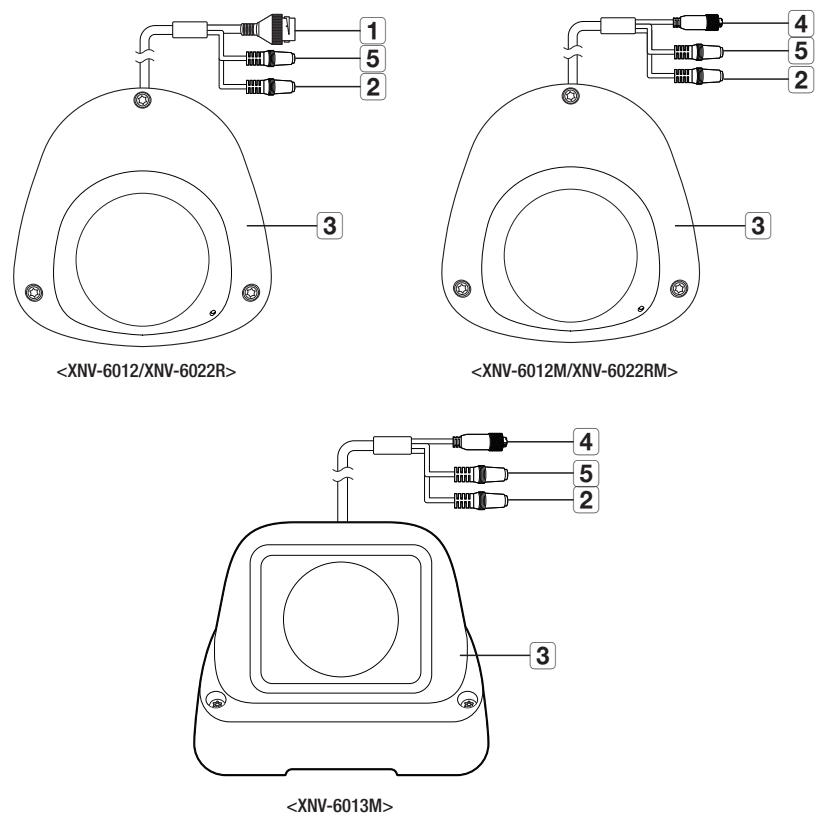
LIEFERUMFANG (XNV-6013M)

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
	Kamera	1	
	Kurzableitung (Optional)	1	
	Garantiekarte (Optional)	1	
	Sternförmiger Schraubenschlüssel	1	Zum Entfernen/Befestigen der Kuppelabdeckung
	M4-Blechschaube	4	Wird zur Montage der Kamera an der Wand oder Decke genutzt
	Maschinenschraube	4	Für die Befestigung Ihrer Kamera an der Hängebefestigung, GangBox, etc. verwendete Schrauben.
	O-Ring	4	Verwendung mittels M4-Blechschaube (wasserdicht)
	Plastikdübel	4	Zum Befestigen einer in einer Bohrung eingesetzten Schraube (verstärkende, verankernde Wirkung)
	Formbrett	1	Wird zur Installation der Kamera genutzt

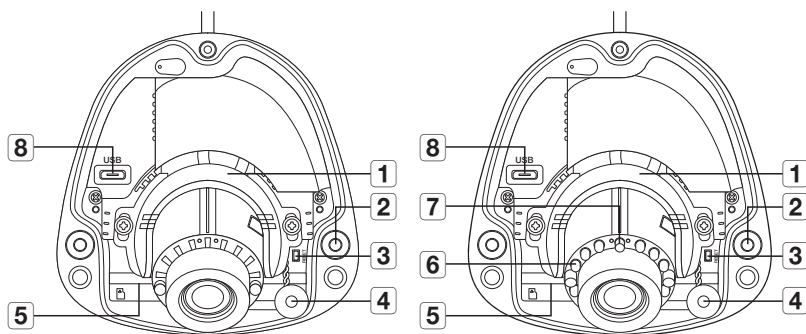
AUF EINEN BLICK

Aufbau



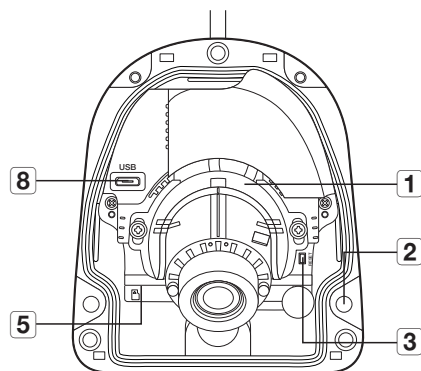
Bezeichnung	Beschreibung
1 PoE-Anschluss	Verbindet sich mit dem Netzwerk und wird über das Ethernet-Kabel mit Strom versorgt.
2 Audioeingangsbuchse	Wird zur Verbindung mit einem Mikrofon genutzt. (rosa)
3 Kuppelabdeckung	Gehäuseabdeckung zum Schutz des Objektivs und der Haupteinheit.
4 M12 Buchsensteckverbinder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

Innenansicht



<XNV-6012/XNV-6012M>

<XNV-6022R/XNV-6022RM>



<XNV-6013M>

Bezeichnung	Beschreibung
1 Objektivschutz	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 MICRO USB Port	Port für den Anschluss von Wi-Fi-Dongles. Sie können das Installationsvideo über die auf dem Smartphone installierten Anwendungen überprüfen. (zur Installation) "Verbinden mit Wi-Fi-Dongle" Siehe auf Seite 15. ■ Wi-Fi Dongle und OTG-Adapter werden separat verkauft.

INSTALLATION

Bevor Sie mit der Installation beginnen

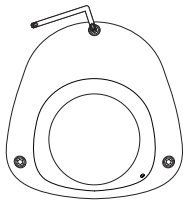
Bitte lesen Sie die folgenden Anweisungen, bevor Sie die Kamera installieren:

- Bei einer Deckenmontage muss der gewünschte Einbaort mindestens 5 Mal das Kameragewicht tragen können.
- Verklebte 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 (XNV-6012M/6022RM) und IP67 (XNV-6013M) 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.
- When installing the camera on the outside of the vehicle, be sure to install it on a flat surface. If the mounting surface is curved, it may not properly adhere to the rubber, and may not be waterproofed.

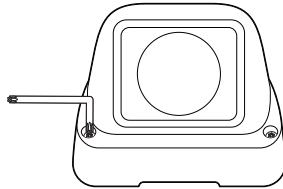
Demontage

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.



<XNV-6012/6012M/6022R/6022RM>



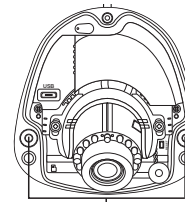
<XNV-6013M>

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 mitgelieferten Blechschrauben an den Löchern.

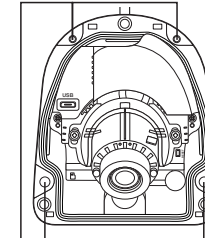


- Nutzen Sie die beiliegende Montagehalterung, wenn Sie das Produkt an der Wand montieren wollen.



Schraubenöffnung

<XNV-6012/6012M/6022R/6022RM>



Schraubenöffnung

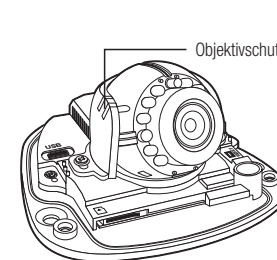
<XNV-6013M>

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

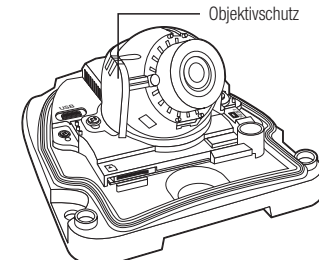


- Entfernen Sie die Abdeckung des Objektivs (Schutzhaube) nicht gewaltsam, ohne die Schrauben zu lockern, denn dies könnte zu einem defekten Produkt führen.

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

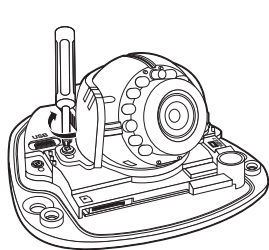


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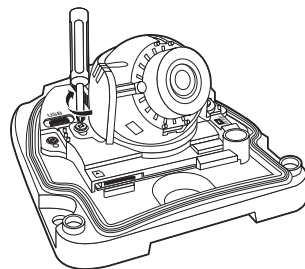


<XNV-6013M>

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



<XNV-6012/6012M/6022R/6022RM>



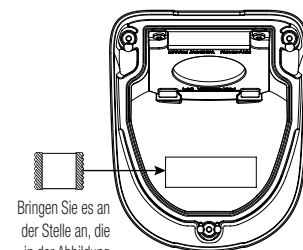
<XNV-6013M>

6. (Nur für XNV-6013M) Befestigen Sie die zusätzlichen Feuchtigkeitsabsorber (Karten-Typ).

Das Zubehör „Feuchtigkeitsabsorber“ wird in einem versiegelten Paket geliefert. Es kann zum Verhindern von Feuchtigkeit (Kondensationsbildung) eingesetzt werden, die infolge von eindringendem Wasser in das Set bei der Installation des Produkts (Trennung der Abdeckung) auftreten kann.

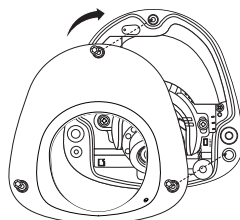
- 1) Entfernen Sie die Verpackung von dem Feuchtigkeitsabsorber, der als Zubehör mitgeliefert wird.
- 2) Nach dem Entfernen der Schutzfolie auf dem Feuchtigkeitsabsorber bringen Sie diesen an der Innenseite der oberen Abdeckung an, wie in der Abbildung dargestellt.
- 3) Montieren Sie die obere Abdeckung mit dem Feuchtigkeitsabsorber im Gehäuse.

- ! ■ Installieren Sie das Gerät nicht in einer feuchten Umgebung (Feuchtigkeit bzw. Tau könnten sich in der Kuppel bilden).
- Lassen Sie das Gerät nicht länger als 10 Minuten ohne Abdeckung.
- Wenn der Feuchtigkeitsabsorber aus der Packung entfernt wird,
- lassen Sie ihn nicht länger als fünf Minuten allein.
 - bringen Sie ihn nicht in die Nähe von Wasser.
- Der gesamte Vorgang [Trennung der Abdeckung → Befestigen des Feuchtigkeitsabsorbers → Schließen der Abdeckung] sollte in 10 Minuten abgeschlossen sein.

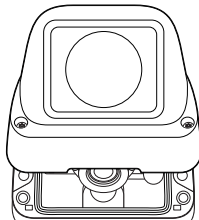


7. Decken Sie die Kuppelabdeckung ab und ziehen Sie die Schrauben mit einem sternförmigen Schraubenschlüssel im Uhrzeigersinn an, um die Abdeckung zu sichern.

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



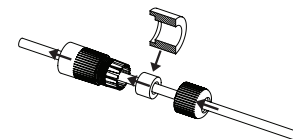
<XNV-6012/6012M/6022R/6022RM>



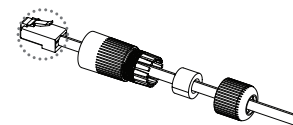
<XNV-6013M>

So verbinden Sie das wasserdichte RJ45-Kabel mit einem LAN-Kabel (XNV-6012/6022R)

1. Schieben Sie es in Pfeilrichtung durch.

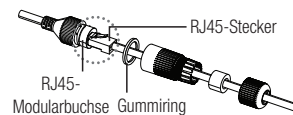


2. Verbinden Sie den LAN-Stecker mit dem Kabel.

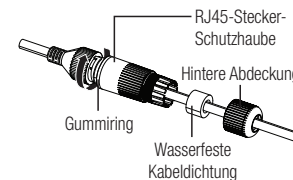


3. Verbinden Sie die RJ45-Modularbuchse mit dem RJ45-Stecker.

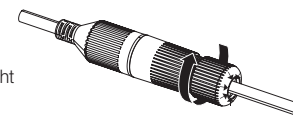
- ! ■ Halten Sie bitte jeden Teil getrennt von einander.



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.



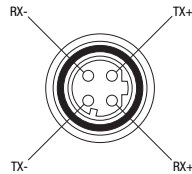
- ! ■ Sie müssen es vollständig montieren, um die hintere Abdeckung bis zum Ende des Gewindes des RJ45-Steckers zu drehen.

Anschluss eines Kabelsteckers (XNV-6012M/6013M/6022RM)

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.

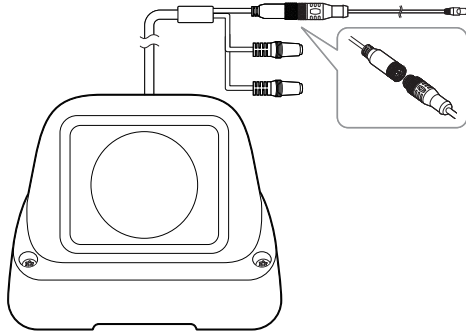
- Diese Kamera an ein abgeschirmtes Netzkabel (STP) anschließen.
- Verwenden Sie dazu 4-polige D-kodierte externe Kabel-Steckerversionen, die den M12-Vorgaben entsprechen.
- Überprüfen, ob das PoE-Gerät richtig geerdet ist.



Zur Herstellung einer Verbindung mithilfe des M12-RJ45-Konvertierungskabels (XNV-6012M/6013M/6022RM)

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 (XNV-6012/6022R)

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 (XNV-6012M/6013M/6022RM)

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.

Netzkabel-Spezifikation

Artikel	Inhalte	Anmerkung
Stecker	RJ45	
Ethernet	10/100Base-T	10/100 Mbps
Kabel	UTP Kategorie 5e	
Max. Entfernung	100M	Gleichstromwiderstand $\leq 0,188 \Omega/m$
PoE Support	IEEE 802.3af	

Einbau im Außenbereich

Wird die Installation außerhalb des Gebäudes vorgenommen, ist sie mit einem Butylisoliervband (im Handel erhältlich) wasserundurchlässig zu machen, damit das Wasser nicht vom an die Außenseite angeschlossenen Kabelspalt auslaufen kann. (XNV-6012/6022R)

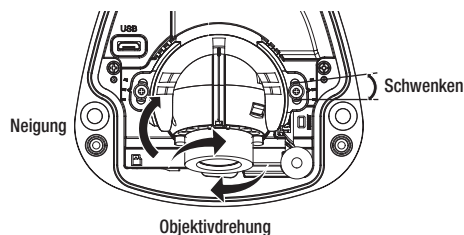
Da bei einer Installation an der Gebäudeaußenseite aus dem Spalt vom extern angeschlossenen Kabel Wasser auslaufen kann, wenn kein M12-Steckverbinder und M12-Kabel verwendet wird, muss im Hinblick auf die Wasserfestigkeit und wie nachstehend gezeigt ein Butylkautschukband benutzt werden. (XNV-6012M/6013M/6022RM)

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 (XNV-6012/6012M/6022R/6022RM)



■ 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° .

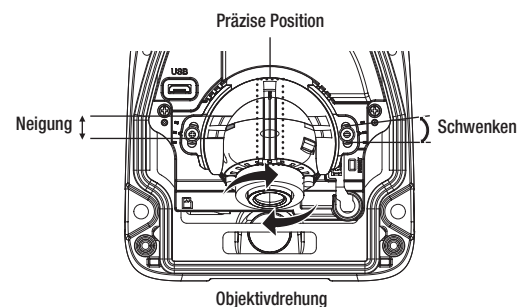


- Eine Nutzung der Kamera außerhalb der in den Spezifikationen festgelegten Winkeln könnte zu einer Reflexion durch IR oder einem unscharfen Bild führen.

■ 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.

Überwachungsrichtung der Kamera einstellen (XNV-6013M)



■ 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 maximale Neigungsbereich beträgt zwischen -10° bis $+10^{\circ}$.



- Falls ein anderer Winkel als der spezifizierte Drehwinkel verwendet wird, kann das Bild verdeckt werden. Sie müssen insbesondere darauf achten, dass der markierte Teil des Objektivs bei der Neigungseinstellung nicht außerhalb des Pfeilbereichs liegt.
- Werden Schwenken und Neigen zusammen angewendet, kann das Bild verdeckt werden.
- Falls sich die Treppenhauseinsicht nicht in der richtigen Position (0 Grad) befindet, kann das Bild verdeckt werden.

■ Anpassungsmethode

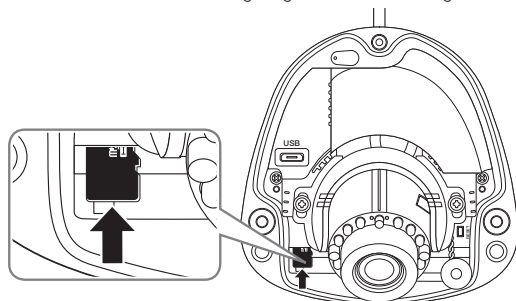
1. Stellen Sie die lange Markierung in der Mitte des Objektivs auf die exakte Position ein.
2. Passen Sie den Schwenkwinkel nach Installation der Kamera unter Erwägung der zu überwachenden Richtung an.
3. Den horizontalen Winkel so festlegen, dass das Bild nicht umgedreht ist.
4. Stellen Sie danach den Neigungswinkel so ein, dass die Kamera die Überwachungsrichtung blickt.

EINLEGEN/HERAUSNEHMEN EINER MICRO SD-SPEICHERKARTE

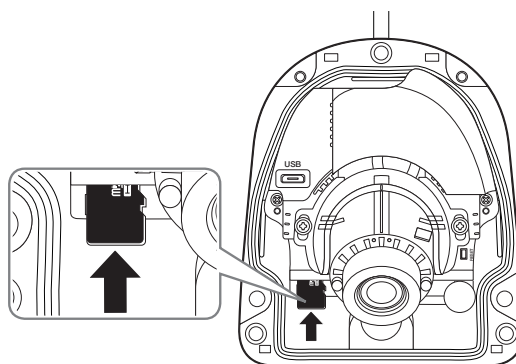
- Das Netzkabel von der Kamera abtrennen, bevor die Micro SD-Speicherkarte eingelegt wird.
- Die Micro SD-Speicherkarte nicht mit Gewalt einlegen. Prüfen, ob die Karte richtig herum eingelegt wird. Ansonsten kann die Micro SD-Speicherkarte beschädigt werden.
- Bei Regen oder hoher Luftfeuchtigkeit empfiehlt 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.



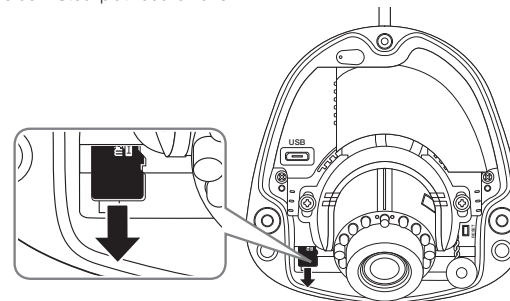
<XNV-6012/6012M/6022R/6022RM>



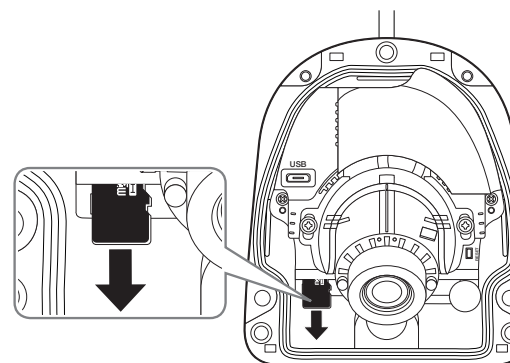
<XNV-6013M>

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.



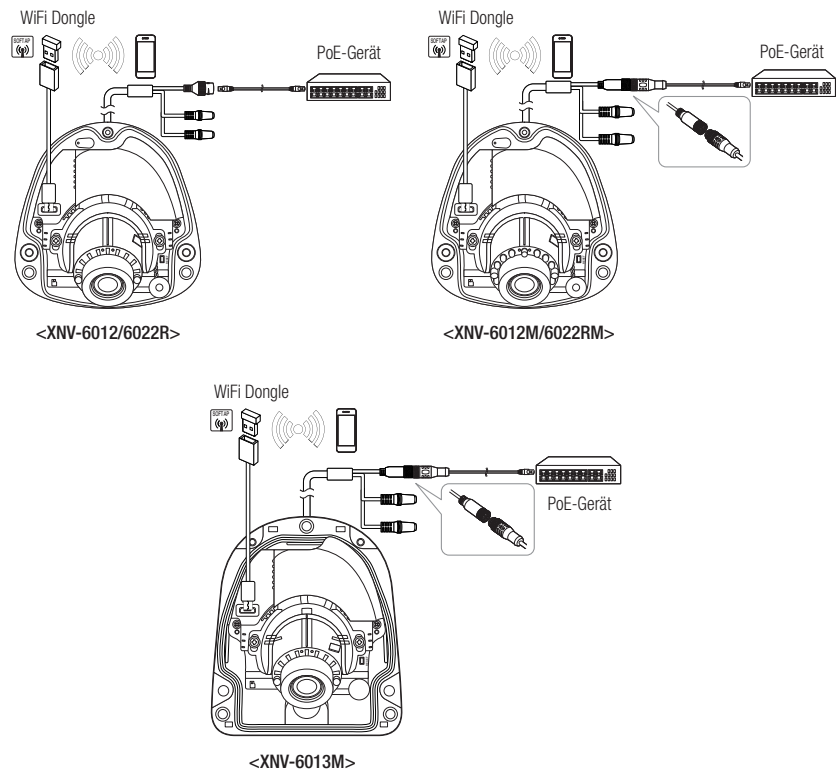
<XNV-6012/6012M/6022R/6022RM>



<XNV-6013M>

- 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.

ANSCHLUSS AN ANDERE GERÄTE



Der Micro USB-Ausgang des Produkts wurde zur einfacheren Installation bereitgestellt und dient keinen Überwachungszwecken.

WLAN-Verbindung

Kameraeinstellung

1. Schließen Sie den OTG-Adapter (5 Stifte) und den Wi-Fi Dongle an den Mikro-USB-Anschluss an.

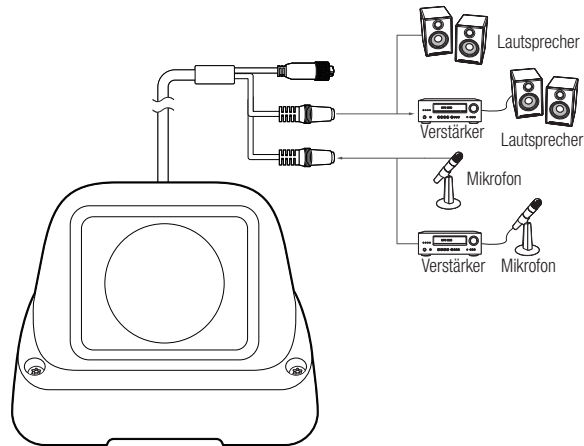
Smartphone-Einrichtung

1. Installieren Sie die Wisenet Installation Anwendung.
2. Wählen Sie die SSID-Kamera nach dem Einschalten des WiFi.
3. Führen Sie die Wisenet Installationsanwendung aus.
4. Wenn Sie sich bei der Kamera anmelden, wird das Video verbunden.
5. Der Kamerawinkel kann während Sie das Video über das Smartphone betrachten angepasst werden.

Empfohlener Dongle-Hersteller

Hersteller	Modell
NETIS	WF2123 n300
EDIMAX	EW-7811Un
IP Time	N100mini
TP-LINK	TL-WN823N V1
ASUS	USB-N13
NETGEAR	WNA3100M

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 XNV-6012/6012M/6022R/6022RM anzuwenden.)
- In Umgebungen mit vielen Umgebungsgläuschen 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), AAC (Bit Rate: 48Kbps / Sampling Frequency: 16kHz)
- Audioausgang : G.711 PCM (Bitrate: 64kbps / Abtastfrequenz: 8kHz)

• Vollduplex Audio

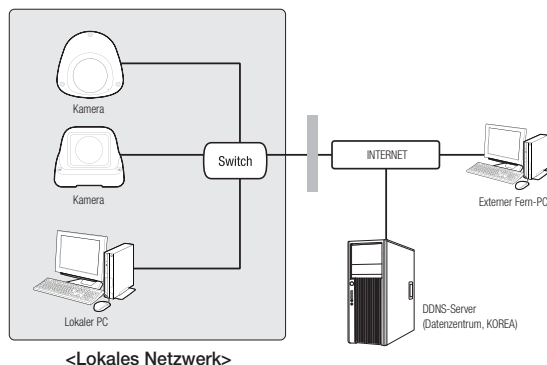
- **Audio Ein (XNV-6012/6012M/6022R/6022RM)** : Wahlweise (Mikrofon/Line-in/Integriertes Mikrofon), unterstützte Spannung: 2,5 VDC (4 mA), Eingangsimpedanz: 2 K Ohm
- **Audio Ein (XNV-6013M)** : Wahlweise (Mikrofon/Line-in), unterstützte Spannung: 2,5 VDC (4 mA), Eingangsimpedanz: 2 K Ohm
- **Audio Aus** : Line-out (3,5 mm Monostecker), maximale Leistung: 1 Vrms
- **Line out Impedanz** : 600Ω

Sie können die Netzwerkeinstellungen gemäß Ihrer Netzwerkkonfigurationen einrichten.

DIREKTES VERBINDEN DER KAMERA AN DAS LAN

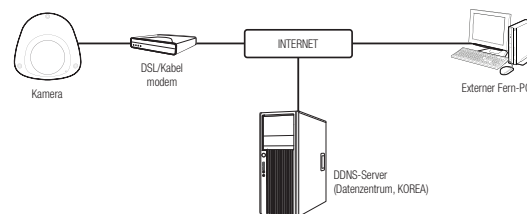
Anschluss an die Kamera von einem lokalen PC im LAN

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.
- Im Device Manager kann das Initialpasswort „4321“ für die Einstellung von IP-Adresse, Subnetzmaske, Gateway, HTTP-Port, VNP-Port und IP-Typ verwendet werden. Nach Änderung der Netzwerk-Schnittstelle greifen Sie zwecks besserer Sicherheit auf den Webviewer zu und ändern Sie das Passwort.
- 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 19)

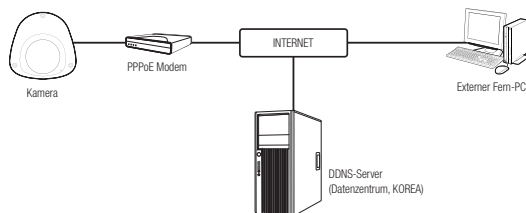
VERBINDEN DER KAMERA DIREKT MIT EINEM DHCP BASIERTEN DSL/ KABELMODEM



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.

DIE KAMERA DIREKT MIT EINEM PPPoE-MODEM VERBINDEN



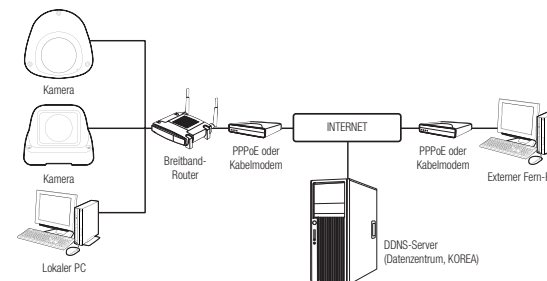
1. Den Benutzer-PC direkt mit der Netzwerkkamera verbinden.
2. Den Device Manager ausführen und die IP-Adresse der Kamera ändern, so dass Sie sich mit dem Webbrowser auf Ihrem Desktop mit dem Internet verbinden können.
3. Verwenden Sie den Webbrowser, um eine Verbindung mit dem Web Viewer herzustellen.
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]**-Setup-Seite navigieren und den IP-Typ auf **[PPPoE]** sowie die ID und das Passwort des Netzwerkdienstes eingeben.
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.

VERBINDEN DER KAMERA AN EINEN BREITBAND-ROUTER ÜBER DAS PPPoE/KABELMODEM

Das ist für eine kleine Netzwerkumgebung wie zum Beispiel Eigenheime, SOHO und gewöhnliche Geschäfte.



Konfigurieren der Netzwerkeinstellungen des an einen Breitband-Router

Befolgen Sie die nachfolgenden Anweisungen zur Konfiguration der Netzwerkeinstellungen des an einen Breitband-Router angeschlossenen lokalen PCs.

- Wählen Sie : **<Network>** → **<Properties>** → **<Local Area Connection>** → **<General>** → **<Properties>** → **<Internet Protocol (TCP/IP)>** → **<Properties>** → **<Obtain an IP address automatically>** oder **<Use the following IP address>**.
- Befolgen Sie die nachfolgenden Anweisungen bei der Auswahl von **<Use the following IP address>**:
 - bsp1) Wenn die Adresse (LAN IP)des Breitband-Routers 192.168.1.1 ist
IP-Adresse : 192.168.1.100
Subnetz Maske : 255.255.255.0
Standard Gateway : 192.168.1.1
 - bsp2) Wenn die Adresse (LAN IP)des Breitband-Routers 192.168.0.1 ist
IP-Adresse : 192.168.0.100
Subnetz Maske : 255.255.255.0
Standard Gateway : 192.168.0.1
 - bsp3) Wenn die Adresse (LAN IP)des Breitband-Routers 192.168.xxx.1 ist
IP-Adresse : 192.168.xxx.100
Subnetz Maske : 255.255.255.0
Standard Gateway : 192.168.xxx.1



- Sehen Sie bezüglich der Adresse des Breitband-Routers in der Dokumentation des Gerätes nach.
- Für weitere Informationen über die Portweiterleitung des Breitband Routers, bitte unter **"Portbereichweiterleitung Konfigurieren (Port Mapping)"** nachschlagen. (Seite 21)

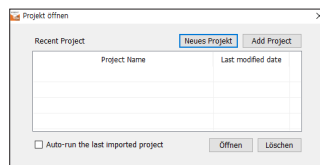
VERWENDEN DES DEVICE MANAGER



- Das Programm Device Manager kann heruntergeladen werden im Menü **<Support>** – **<Tool>** auf der Hanwha Vision Webseite (<https://www.HanwhaVision.com>).
- Weitere Anweisungen zum Device Manager finden sich im Menü **<Hilfe>** auf der Hauptseite.

EINRICHTEN VON PROJEKTEN

Sie können für jedes Projekt Kameras speichern und importieren. Legen Sie zur Erstellung eines neuen Projekts den Projektnamen und ein Passwort fest. Das Passwort muss eingegeben werden, um das erstellte Projekt ausführen zu können.



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

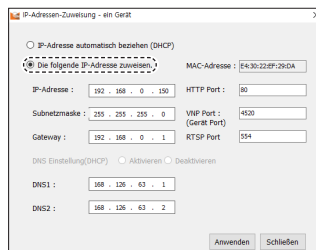
Wenn Sie die Netzwerkeinstellung der Kamera ändern möchten, muss das Symbol **<Login OK>** unter **<Status>** angezeigt werden. Zum Anmelden auf der Hauptseite auf **<Credential>** klicken.

Konfigurieren der statischen IP

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

Einstellen einer Kamera

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



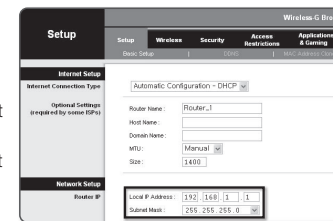
Wenn Sie keinen Breitband-Router verwenden

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 21)

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.

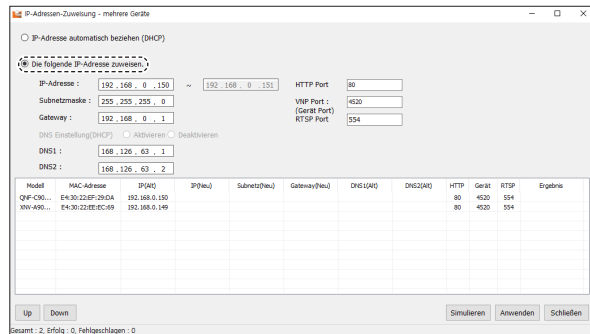
bsp)

	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.

Einstellen mehrerer Kameras



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> klicken.
3. <Die folgende IP-Adresse zuweisen.> auswählen.
4. Geben Sie die zuzuweisende Anfangsadresse des IP-Adressbereichs ein.
5. Klicken Sie die Schaltfläche [Simulieren] an, um die jedem Gerät zuzuweisende IP-Adresse zu prüfen.
 - Sie können jede Adresse durch Doppelklick auf den betreffenden IP-Adresseintrag bearbeiten.
6. Klicken Sie auf die Schaltfläche [Anwenden], um mit der IP-Zuweisung zu beginnen.
7. Prüfen Sie die Spalte <Ergebnis>, um festzustellen, ob die IP-Zuweisung erfolgreich war.

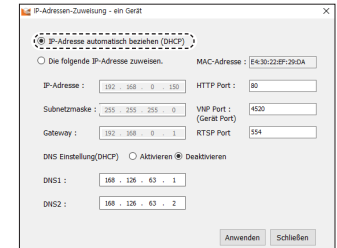
Konfigurieren der dynamischen IP

IP-Adresse vom DHCP-Server beziehen.

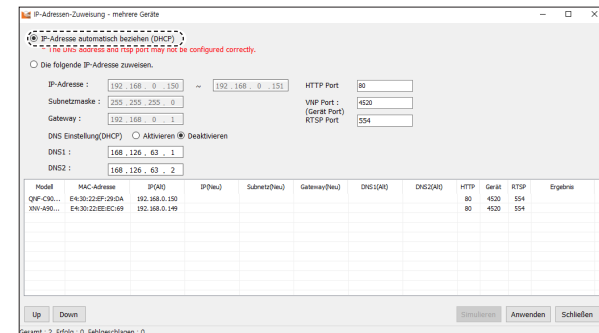
- Beispiel einer dynamischen IP-Umgebung
 - Wenn einem Breitband-Router, mit dem Kameras verbunden sind, eine IP-Adresse von einem DHCP-Server zugewiesen wird
 - Wenn die Kamera direkt mit einem xDSL- oder Kabelmodem mithilfe eines DHCP-Protokolls verbunden wird
 - Wenn die IP-Adressen von dem internen DHCP-Server über eine LAN-Verbindung zugewiesen werden

Einstellen einer Kamera

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> klicken.
3. <IP-Adresse automatisch beziehen (DHCP)> auswählen.
4. Auf die Schaltfläche [Anwenden] klicken.
5. Wenn die Erfolgsmeldung erscheint, auf [OK] klicken.



Einstellen mehrerer Kameras

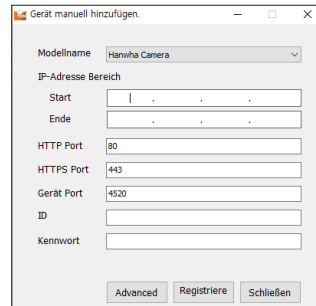


1. In der Liste auf die Kamera klicken, von der die IP-Einstellungen geändert werden sollen.
2. Auf der Hauptseite des Device Manager auf <IP Assign> klicken.
3. <IP-Adresse automatisch beziehen (DHCP)> auswählen.
4. Klicken Sie auf die Schaltfläche [Anwenden], um mit der IP-Zuweisung zu beginnen.
5. Prüfen Sie die Spalte <Ergebnis>, um festzustellen, ob die IP-Zuweisung erfolgreich war.

MANUELLES REGISTRIERUNG DER KAMERA

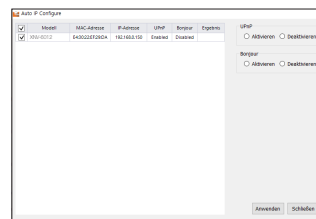
Wenn die Kamera mit der Suchfunktion nicht gefunden werden kann, kann die Kamera aus der Ferne registriert werden, indem die IP-Information manuell eingegeben werden, wenn die Kamera mit dem externen Netzwerk verbunden ist.

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, HTTPS 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.



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>** klicken.
4. Um das Protokoll **<UPnP>** oder **<Bonjour>** zu verwenden, wählen Sie **<Aktivieren>** aus und klicken Sie auf die Schaltfläche **[Anwenden]**.

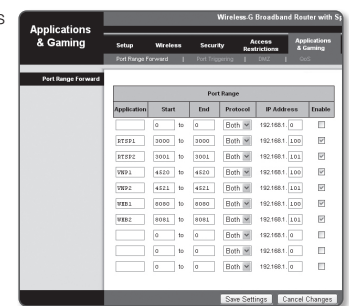


PORTBEREICHWEITERLEITUNG KONFIGURIEREN (PORT MAPPING)

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.

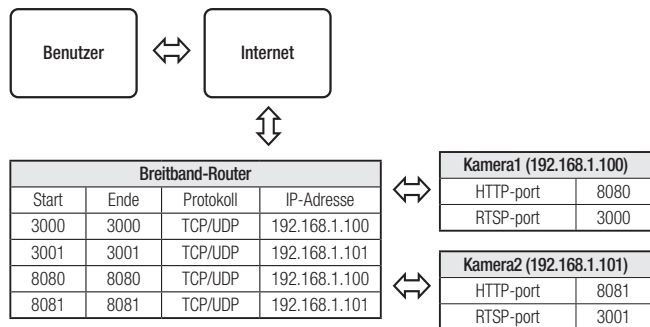


- Die Einstellung des Port-Forwarding wird am Beispiel der Einstellung eines CISCO IP-Routers gezeigt.
- Die Netzwerkeinstellungen können sich je nach Breitband-Routermodell unterscheiden. Für mehr Informationen, lesen Sie im Benutzerhandbuch des Routers nach.

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 <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. Wählen Sie das gewünschte Projekt aus und klicken Sie dann auf die Schaltfläche **[Öffnen]**.
3. Nach Eingabe des Passworts wird die Liste der Kameras in dem Projekt angezeigt.
4. 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.

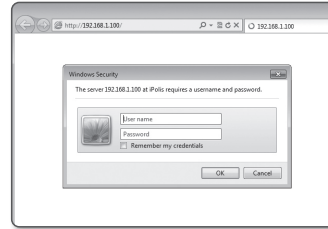
1. Bevor Sie auf eine Kamera im Breitband-Routernetzwerk zugreifen können, sollten Sie die Portbereichweiterleitung für den Breitband-Router eingestellt haben.
2. Starten Sie den Internetbrowser auf dem entfernten Computer und geben Sie die DDNS-URL der Kamera oder die IP-Adresse des Breitband-Routers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

- Um DDNS zu verwenden, melden Sie sich auf der DDNS-Homepage an (<http://ddns.hanwha-security.com>) und registrieren Sie das Produkt unter **[Mein DDNS]>[Produkt 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.



- Zur Verwendung des Protokolls UPnP oder Bonjour siehe „Automatische Konfiguration der IP“.

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 (Internet Serviceanbieter) -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 anschließen im Net Viewer unter <Netzwerk> - <DDNS> auf <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.

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. 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 Anmeldedaten einzugeben.
- Die beste Bildqualität wird erreicht, wenn die Bildschirmgröße auf 100% eingestellt ist. Reduzierung des Bildseitenverhältnisses kann das Bild an den Rändern abschneiden.

PLUG-IN-SPEZIFIKATIONEN FÜR JEDEN BROWSER

Der vorhandene Plug-in-Web-Viewer und ein neuer kostenloser Plug-in-Web-Viewer sind gemeinsam eingebaut. Dies ermöglicht Ihnen, den Web-Viewer in neueren Browser-Umgebungen zu verwenden, die keine Plug-Ins wie Chrome, EDGE und FireFox unterstützen (nur Windows 64-Bit). Für Browser, die die Installation von Plug-Ins wie IE und Safari ermöglichen, wird die Installation des Plug-Ins empfohlen.

Je nach Browserumfeld können folgende Unterschiede auftreten.

- Chrome-, FireFox(Wird nur bei Windows 64bit), EDGE-Browser** : Obwohl diese beiden Browser keine Plug-Ins unterstützen, können Sie einen Web-Viewer nutzen, da ein kostenloser Plug-in-Web-Viewer integriert ist.
- Da der Plug-in-freie Webviewer eine geringere Leistung als der Plug-in-Webviewer hat, besteht ein Limit bei der Überwachung von Profilen mit hoher Qualität und der Wiedergabe gespeicherter Videos. Um Profile mit hoher Qualität zu überwachen und gespeicherte Videos wiederzugeben, verwenden Sie bitte einen Plug-in-Webviewer oder einen SmartViewer.
 - Plug-in-freie Web-Viewer-Erstellungsbedingungen: Das ausgewählte Profil überschreitet MJPEG Full HD 10fps H264 (Chrome: Vollbildschirm unterstützt / Edge, Firefox, Safari : Full HD 30 fps oder höher) H.265 FullHD 10fps 2Mbps oder höher
 - Plug-in-freie Wiedergabebedingungen: MJPEG / H.264 Vollbildauflösung, H.265 HD oder niedriger
- Die Plug-In-Funktion wurde für den Chrome-Browser optimiert.
- Unterstützt Adaptive Streaming
 - Dies ist die Funktion, die das Profil automatisch senkt, wenn es eine Verzögerung von mehr als 5 Sekunden gibt. Es wurde gemacht, um Probleme wie erhöhte Latenz und keine Reaktion aus dem Browser bei der Wiedergabe des Videos auf einem System mit niedrigeren Hardware-Spezifikationen zu verhindern. Das Videoprofil wird in folgender Reihenfolge reduziert: 1920X1080(20fps) -> 1280X720(20fps) -> 640X480(20fps).
- Browser IE, Safari** : Sie können einen Web-Viewer auch nutzen, wenn Sie den vorhandenen Plug-in-Web-Viewer nicht installieren.



- Zur nahtlosen Überwachung/zum nahtlosen Abspielen des Videos müssen Sie ein Plug-in installieren.

INSTALLATION DES WebViewer PLUG-INS

Um auf den Plug-in-Webviewer zuzugreifen und ein Live-Video (H.264/H.265) oder ein aufgenommenes Video abspielen zu können, erscheint eine Installationsnachricht. Dann müssen Sie das Webviewer-Plug-in installieren, um die Funktion korrekt nutzen zu können.

1. Wird zum ersten Mal auf die Seite Überwachen zugegriffen, wird die Seite Installation angezeigt. **[Plugin]** anklicken, um mit der Installation zu beginnen.



- Wenn der Status des Herunterladens der Plugin-Datei zur Installation im Internetbrowser bei 99% abgebrochen wird, dann versuchen Sie es erneut nachdem "SmartScreen Filter freigeben" in "Werkzeug → SmartScreen Filter" gewählt wurde.

2. **[Run]** im Meldungsfenster anklicken.

3. **[Yes]** anklicken, wenn das Hinweisfenster angibt, dass alle Browserfenster geschlossen werden.



- Schritt 4 und 5 werden übersprungen, falls das Web Viewer-Plugin installiert ist.

4. Wenn die alte Version des Web Viewer-Plugins installiert ist, wird auf einem Hinweisfenster angezeigt, dass die alte Version gelöscht werden wird.

[Yes] anklicken, wenn das Hinweisfenster angezeigt wird.

5. **[OK]** anklicken.

Die alte Version des Web Viewer-Plugins ist gelöscht.

6. **[Install]** anklicken, um mit der Installation des Web Viewer-Plugins zu beginnen.

7. **[Finish]** anklicken.

Die Web Viewer-Plugin-Installation ist abgeschlossen.

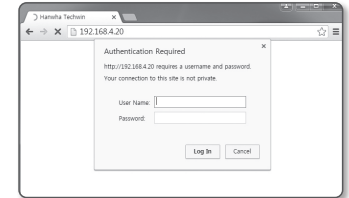


- Wenn Sie nach der Installation des Webviewer-Plug-Ins bei Ihrem Internet-Explorer zu dem Installationsbildschirm gehen, prüfen Sie, ob `webviewer_activexplugin_lib.control` in dem Menü "Werkzeug → Zusätzliches Funktionsmanagement" "Activated" ist.
Falls nicht, und wenn es ein bleibendes Problem gibt, dann wählen Sie "Werkzeug → Internet-Optionen → Allgemein" und löschen Sie alle Such-Aufzeichnungen.
Wenn das Problem weiterhin besteht, bitte die IP-Adresse oder die Domäne Ihrer Kamera unter "Tools → Internetoptionen → Sicherheit → Sichere Sites" registrieren.

EINEN KOSTENLOSEN PLUG-IN-WEBVIEWER VERWENDEN

Obwohl es nicht möglich ist, Plug-ins separat zu installieren, wenn Sie auf die Kamera über Google Chrome, Mozilla Firefox oder MS Edge-Webbrowser zugreifen, können Sie das Kamera-Video ansehen und steuern, ohne Plug-ins installieren zu müssen.

1. Geben Sie Ihren Benutzernamen und Ihr Passwort zur Anmeldung ein.
2. Sobald Sie angemeldet sind, erscheint ein Bildschirm mit der Kamera-Liveansicht.



Um die Kamera einzustellen

1. Klicken Sie auf das **[Einrichten (⚙️)]**-Symbol.
2. Das Fenster für die Einstellungen erscheint.
3. Es ist möglich, die Einstellungen grundlegender Informationen der Kamera, PTZ, Video und Audio, Netzwerk, Ereignis, Analyse, System sowie offene Plattform über das Netzwerk zu verwalten.
4. Klicken Sie auf **<Hilfe (🔗)>** um detaillierte Beschreibungen jeder Funktion betrachten zu können.

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, ob alle Netzwerkkabel 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. - Wenn die Kamera über ein PPPoE-Netzwerk verbunden ist, kann der Viewer bei schlechten Netzwerkbedingungen getrennt werden.
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.
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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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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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Julian Seward, jseward@bzip.org

bzip2/libbzip2 version 1.0.5 of 10 December 2007

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iperf performance test

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Jean-loup Gailly Mark Adler

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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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Korrekte Entsorgung der Batterien dieses Produkts

(In den Ländern der Europäischen Union und anderen europäischen Ländern mit einem separaten Altbatterie-Rücknahmesystem)

Die Kennzeichnung auf der Batterie bzw. auf der dazugehörigen Dokumentation oder Verpackung gibt an, dass die Batterie zu diesem Produkt nach seiner Lebensdauer nicht zusammen mit dem normalen Haushaltsmüll entsorgt werden darf. Wenn die Batterie mit den chemischen Symbolen Hg, Cd oder Pb gekennzeichnet ist, liegt der Quecksilber-, Cadmium- oder Blei-Gehalt der Batterie über den in der EG-Richtlinie 2006/66 festgelegten Referenzwerten. Wenn Batterien nicht ordnungsgemäß entsorgt werden, können sie der menschlichen Gesundheit bzw. der Umwelt schaden.

Bitte helfen Sie, die natürlichen Ressourcen zu schützen und die nachhaltige Wiederverwertung von stofflichen Ressourcen zu fördern, indem Sie die Batterien von anderen Abfällen getrennt über Ihr örtliches kostenloses Altbatterie-Rücknahmesystem entsorgen.

