

WISeNeT

NETZWERKKAMERA

Benutzerhandbuch

QND-6011

QND-6021



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 abgeklemmt 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 werden, die mit „Klasse 2“ oder „LPS“ gekennzeichnet ist und mit PoE (48 V), 0,1 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.
22. Auch wenn eine schnelle Temperaturänderung Frost in der Kuppel erzeugen könnte, gibt es kein Problem mit dem Video.



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 eingelegter 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

- **Staub/Wasserdicht (IP42)**
Achten Sie darauf, dass das Produkt vor Haushaltsflüssigkeitstropfen und Staub von Haushaltsgeräten geschützt ist.
- **Videos mit einer Auflösung von 2 Megapixel**
- **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 FTPServer 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.
- **Automatische Erkennung eines unterbrochenes Netzwerk**
Erkennt ein unterbrochenes Netzwerk, bevor ein Ereignis ausgelöst wird.
- **Statistik des Personenzahlens**
Sie können die Anzahl der Personen, die sich in den angegebenen Bereich begeben, durch Videoanalyse überprüfen.
- **ONVIF Compliance**
Dieses Produkt unterstützt das ONVIF Profil S&G.
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.

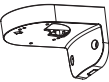
LIEFERUMFANG

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
	Kamera	1	
	Kurzanleitung (Optional)	1	
	Garantiekarte (Optional)	1	
	Schablone	1	Installationsanleitung des Produkts
	L-förmiger Schraubenschlüssel	1	Wird verwendet, um die Dome- Abdeckung zu entfernen und zu ersetzen

Optionales Zubehör für die Installation

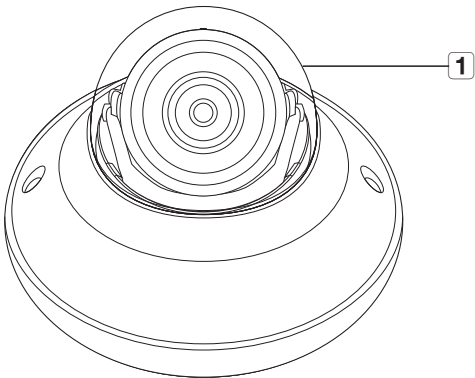
Damit sich die Installation einfacher gestaltet, können Sie das entsprechende optionale Zubehör kaufen.



Modellname	Wandbefestigung
QND-6011/6021	SBP-120WMW

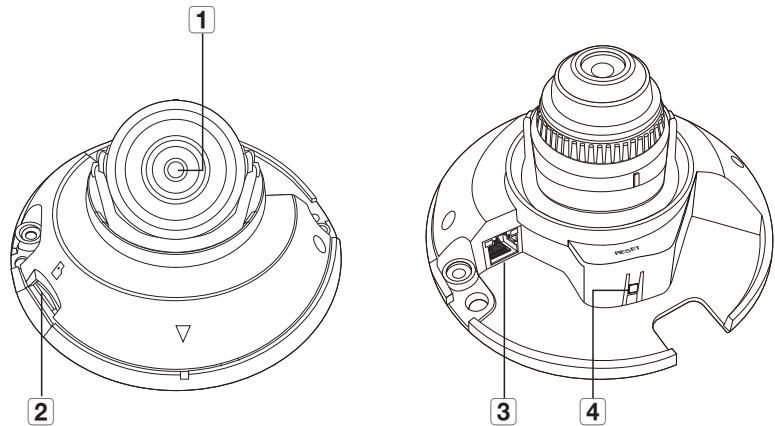
AUF EINEN BLICK

Aufbau



Bezeichnung	Beschreibung
1 Abdeckklappe	Gehäuseabdeckung zum Schutz des Objektivs und der Haupteinheit.

Komponenten



Bezeichnung	Beschreibung
1 Objektiv	Kameraobjektiv.
2 Micro SD-Speicherkartenfach	Fach für die Micro SD-Speicherkarte.
3 PoE-Anschluss	Verbindet sich mit dem Netzwerk und wird über das Ethernet-Kabel mit Strom versorgt.
4 Reset-Taste	Diese Taste setzt alle Kameraeinstellungen auf die Werkseinstellungen zurück. Drücken und 5 Sekunden gedrückt halten, um das System neu zu starten. i Wenn Sie die Kamera zurücksetzen, werden die Netzwerkeinstellungen so eingestellt, dass DHCP aktiviert sein kann. Wenn kein DHCP-Server im Netzwerk verfügbar ist, muss das IP-Installer-Programm gestartet werden und Netzwerkeinstellungen wie IP-Adresse, Subnetzmaske, Gateway usw. konfiguriert werden, damit das System mit dem Internet erbunden werden kann.

INSTALLATION

Bevor Sie mit der Installation beginnen

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

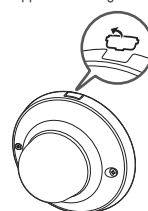
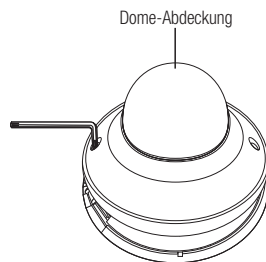
- Sie muss an einer Stelle (Decke oder Wand) installiert werden, die fünf (5) Mal das Gewicht der Kamera zusammen mit der Halterung tragen kann.
- Verklemmte Kabel oder ein abgelöster Kabelschutz können zu Schäden an dem Produkt und Brandgefahr führen.
- Halten Sie aus Sicherheitsgründen andere Personen von dem Ort der Kamerainstallation fern. Achten Sie darauf, dass sich in der Nähe der Kamerainstallation keine Gegenstände des Personals befinden.

Demontage

Entfernen Sie die Kuppelabdeckung, nachdem Sie die Schrauben mithilfe des mitgelieferten Inbusschlüssels im Gegenuhrzeigersinn gelöst haben.

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

- ! ■ Berühren Sie nicht den durchsichtigen Teil der Kuppelabdeckung, sobald die Schutzfolie entfernt wurde.

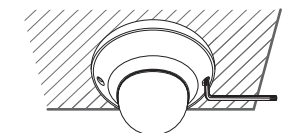
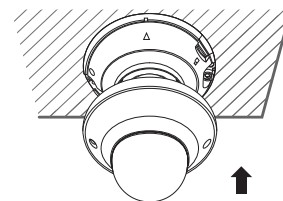
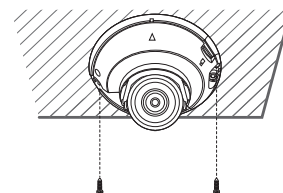
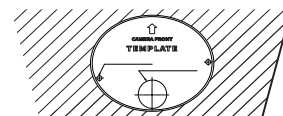


Installation

1. Ziehen Sie die zu überwachende Richtung in Erwägung, befestigen Sie die Schablone und bohren Sie Löcher, indem Sie nach der Schablone verfahren.
 - Die < ↑ > Markierung, die auf der Kamera aufgedruckt ist, so festlegen, dass sie der Kamerarichtung zur Überwachung gegenüberliegt.
2. Bringen Sie die Kamera mithilfe von 2 Blechschrauben in den beiden Löchern, die mit einer Schablone gebohrt wurden, an.
3. Das kamerainterne Terminal mit dem entsprechenden Kabel verbinden.
4. Stellen Sie das Objektiv in eine gewünschte Richtung ein, indem Sie den Abschnitt „Überwachungsrichtung der Kamera einstellen“ nachsehen. (Seite 10)

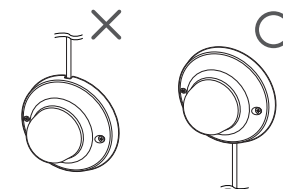
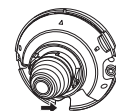
- ! ■ Wir empfehlen, die Kameralinse nicht zu berühren, da diese während der Herstellung korrekt fokussiert wurde. Falls Sie sie berühren, kann der Fokus der Linse verändert oder diese verunreinigt werden.

5. Decken Sie die Kuppelabdeckung ab und ziehen Sie die Schrauben mithilfe eines Inbusschlüssels im Uhrzeigersinn fest, um die Abdeckung zu sichern.
 - Falls notwendig, entfernen Sie die Kabelöffnungsabdeckung an der Seite der Kuppelabdeckung.

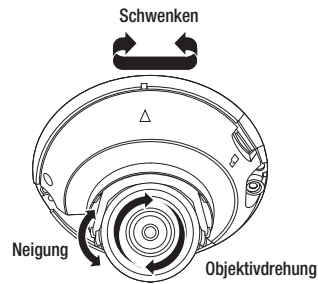


■ Wall mounting (IP42)

Wenn Sie die Kamera an einer Wand befestigen, führen Sie das LAN-Kabel wie abgebildet so von der Unterseite, dass ein ordentlicher Schutz vor Flüssigkeiten und Staub gewährleistet wird.



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 effektive Pan-Bereich ist insgesamt 350° Grad.
- Der effektive Rotationsbereich ist insgesamt 355° Grad.
- Der effektive Neigebereich ist insgesamt 69° Grad.



- Das Bild kann, je nach Winkel, von der Kameratasche abgedeckt werden.

■ Anpassungsmethode

1. Nach der Installation der Kamera stellen Sie den Schwenkwinkel so ein, dass die Überwachungsrichtung berücksichtigt wird.
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.

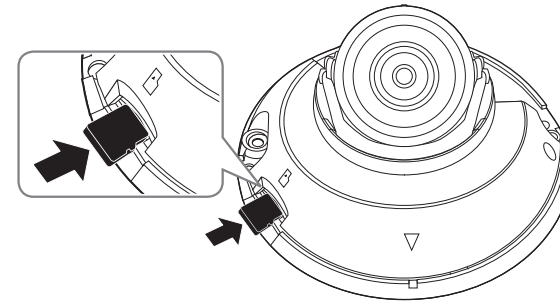
EINLEGEN/HERAUSNEHMEN EINER MICRO SD-SPEICHERKARTE



- 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.

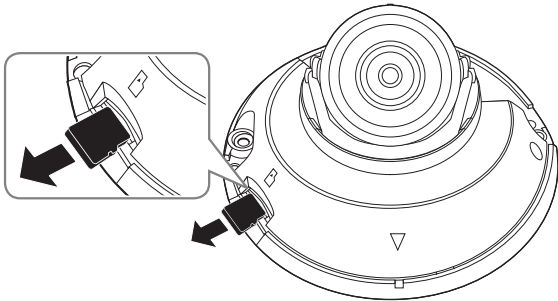
Einlegen einer Micro SD-Speicherkarte

1. Den Domedeckel von der Kamera entfernen.
2. Eine Micro-SD-Karte in Pfeilrichtung einlegen, siehe Abbildung.



Herausnehmen einer Micro SD-Speicherkarte

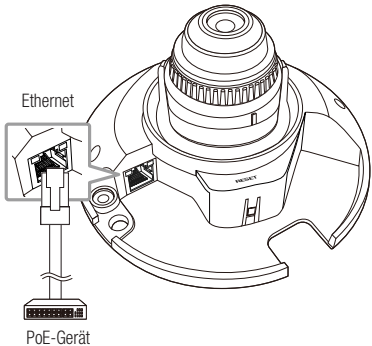
Drücken Sie leicht am ungeschützten Ende der Speicherkarte, wie im Schaubild zu sehen, um die Speicherkarte aus dem Steckplatz auszuwerfen.



- Wenn die Micro SD-Speicherkarte zu stark hineingedrückt wird, kann die Karte beim Loslassen unkontrolliert aus dem Steckplatz herausschießen.
- Bevor Sie Ihre microSD Speicherkarte entfernen, schalten Sie die Kamera aus oder gehen Sie zu **<Speicherkapazität>**, schalten Sie das Gerät aus und drücken Sie das **[Übernehmen]**.
- Wenn Sie die Kamera ausschalten oder die Micro SD-Speicherkarte mit Produktdaten entfernen, gehen Daten möglicherweise verloren oder werden beschädigt.

ZUR ENERGIEVERSORGUNG UND ZUR VERNETZUNG

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).

Netzwerkkabel-Spezifikation

Artikel	Inhalte	Anmerkung
Stecker	RJ45	
Ethernet	10/100BASE-T	10/100 Mbps
Kabel	Kategorie 5e	
Max. Entfernung	100M	Gleichstromwiderstand ≤ 0,125 Ω/m
PoE Support	IEEE 802.3af	

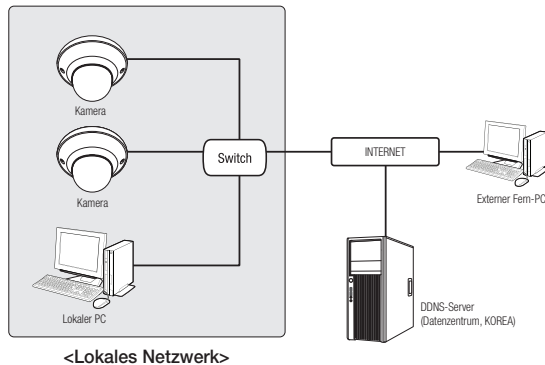
- Wenn Sie ein anderes als ein Kabel nach Kategorie-5e-Standards verwenden, ist eine Übertragungsstrecke von 100 m nicht gewährleistet.

Sie können die Netzwerkeinstellungen gemäß Ihrer Netzwerkkonfigurationen einrichten.

DIREKTES VERBINDEN DER KAMERA AN DAS LAN

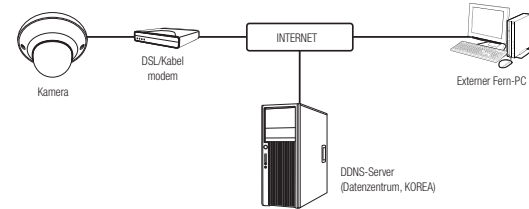
Anschluss an die Kamera von einem lokalen PC im LAN

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.
- Bei dem IP-Installer können Sie das Anfangspasswort "4321" zum Einstellen der IP-Adresse, Subnet Mask, Gateway, HTTP Port, VNP Port, IP-Typ verwenden. 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. Verwenden Sie die IP-Adresse, um den IP-Installer zu ändern. Weitere Informationen zur Verwendung des IP-Installers finden Sie unter „Einstellung der statischen IP“; (Seite 13)

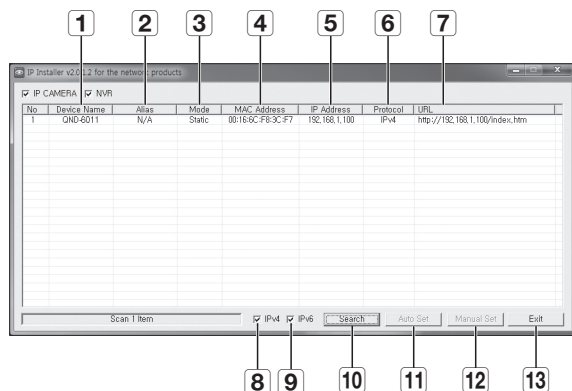
VERBINDEN DER KAMERA DIREKT MIT EINEM DHCP BASIERTEN DSL/ KABELMODEM



1. Den Benutzer-PC direkt mit der Netzwerkkamera verbinden.
2. Führen Sie den IP-Installer aus und ändern Sie die IP-Adresse der Kamera, damit Sie den Webbrowser Ihres Desktops 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.

SCHALTFLÄCHEN DES IP-INSTALLATIONSPROGRAMMS



Bezeichnung	Beschreibung
1 Device Name	Modellname der verbundenen Kamera. Klicken Sie auf die Spalte, um die Liste nach Modellnamen zu sortieren. Wenn Sie jedoch während einer Suche darauf klicken, wird die Suche gestoppt.
2 Alias	Diese Funktion steht zurzeit nicht zur Verfügung.
3 Mode	Für den aktuellen Verbindungsstatus des Netzwerkes wird entweder <Static> oder <Dynamic> angezeigt.
4 MAC(Ethernet) Address	Ethernetadresse der verbundenen Kamera. Klicken Sie auf die Spalte, um die Liste nach Ethernetadressen zu sortieren. Wenn Sie jedoch während einer Suche darauf klicken, wird die Suche gestoppt.
5 IP Address	IP-Adresse. Klicken Sie auf die Spalte, um die Liste nach IP-Adressen zu sortieren. Wenn Sie jedoch während einer Suche darauf klicken, wird die Suche gestoppt.
6 Protocol	Netzwerkeinstellungen der Kamera. Standardmäßig ist „IPv4“ eingestellt. Kameras mit der Einstellung „IPv6“ werden mit „IPv6“ angezeigt.
7 URL	DDNS URL-Adresse für den externen Zugriff vom Internet aus. Diese wird jedoch von der <IP Address> der Kamera ersetzt, wenn die DDNS-Registrierung fehlschlug.
8 IPv4	Sucht nach Kameras mit der Einstellung IPv4.

Bezeichnung	Beschreibung
9 IPv6	Sucht nach Kameras mit der Einstellung IPv6. Ist nur in einer IPv6 kompatiblen Umgebung aktiviert.
10 Search	Sucht nach Kameras, die zurzeit mit dem Netzwerk verbunden sind. Wenn weder IPv4 noch IPv6 aktiviert sind, wird diese Schaltfläche grau dargestellt.
11 Auto Set	Der IP-Installer konfiguriert die Netzwerkeinstellungen automatisch.
12 Manual Set	Sie müssen die Netzwerkeinstellungen manuell vornehmen.
13 Exit	Damit wird das IP-Installationsprogramm beendet.

- Die letzte Version des IP-Installers verwenden. Die neueste Softwareversion kann von der Hanwha Techwin Electronics-Website heruntergeladen werden.
- Wenn das unterstützte Betriebssystem Windows 8.1 ist, wird es empfohlen, den Wisenet Device Manager anstelle des IP Wisenet zu verwenden.
Das Wisenet Device Manager Programm kann auf der Website von Hanwha Techwin (<http://www.hanwha-security.com>) unter dem Menüpunkt <Technisches Handbuch> - <Online-Werkzeug> heruntergeladen werden.

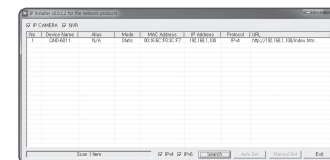
EINSTELLUNG DER STATISCHEN IP

Manuelle Netzwerkeinstellung

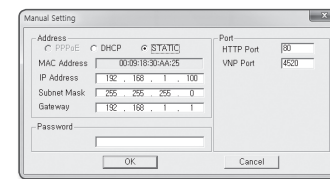
Führen Sie die Datei <IP Installer_v2.XX.exe> aus, um die Kamerasuchliste anzuzeigen.
Anfangs werden sowohl [Auto Set] als auch [Manual Set] grau dargestellt.

- Für gefundene Kameras mit der Einstellung IPv6 werden diese Schaltflächen grau dargestellt, da die Kameras diese Funktion nicht unterstützen.

- Wählen Sie eine Kamera aus der Suchliste.
Lesen Sie die MAC-Adresse der Kamera vom Etikett der Kamera ab.
Die Schaltflächen [Auto Set] und [Manual Set] sind nun aktiviert.
- Klicken Sie auf [Manual Set].
Das Dialogfenster für die Manual Setting erscheint.
<IP Address>, <Subnet Mask>, <Gateway>, <HTTP Port> und <VNP Port> der Kamera werden bei den voreingestellten Werten angezeigt.



- Geben Sie die nötigen Informationen in dem Fenster <Address> an.
 - MAC (Ethernet) Address : Die auf dem Etikett der Kamera abgedruckte MAC-Adresse wird automatisch angezeigt und erfordert keine Einstellung durch den Benutzer.



- Auf das IP bezogene Parameter lassen sich nur einstellen, wenn DHCP nicht aktiviert ist.

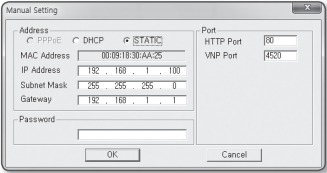
Wenn Sie keinen Breitband-Router verwenden

Kontaktieren Sie ihren Netzwerkadministrator für die Einstellung der <IP Address>, <Subnet Mask> und für das <Gateway>.

4. Geben Sie die nötigen Informationen in dem Fenster <Port> an.

- HTTP Port : Zum Zugriff auf die Kamera über den Internetbrowser. Standardmäßig ist der Wert 80 eingestellt.
- VNP Port : Wird verwendet, um die Videosignalübertragung zu steuern. Der Standardwert lautet 4520.

5. Geben Sie das Kennwort ein.
Geben Sie das Passwort des „admin“ Kontos für den Zugriff auf die Kamera ein.

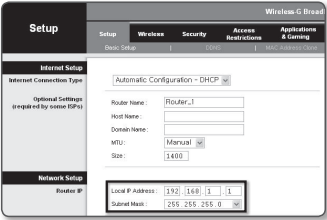


- Es wird empfohlen, dass Sie für Ihr Passwort aus Sicherheitsgründen eine Kombination aus Zahlen, alphabetischen Groß- und Kleinbuchstaben und Sonderzeichen verwenden.
- Informationen für das Ändern des Passworts finden Sie in der Online-Hilfe des WebViewer.

6. Klicken Sie auf [OK].
Die manuelle Netzwerkeinstellung ist beendet.

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 15)

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
	VNP Port	4520	4521

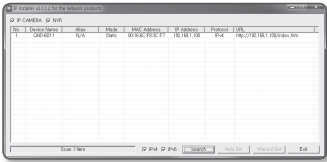
- Wenn der Wert des <HTTP port> nicht 80 ist, müssen Sie die <Port>-Nummer in die Internetadresszeile eingeben, bevor Sie auf die Kamera zugreifen können.
bsp) http://IP-Adresse: HTTP-Port
http://192.168.1.100:8080

Automatische Netzwerkeinstellung

Führen Sie die Datei <IP Installer_v2.XX.exe> aus, um die Kamerasuchliste anzuzeigen.
Anfangs werden sowohl [Auto Set] als auch [Manual Set] grau dargestellt.

- Für gefundene Kameras mit der Einstellung IPv6 werden diese Schaltflächen grau dargestellt, da die Kameras diese Funktion nicht unterstützen.

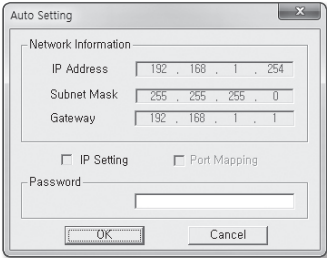
1. Wählen Sie eine Kamera aus der Suchliste.
Lesen Sie die MAC-Adresse der Kamera vom Etikett der Kamera ab.
Die Schaltflächen [Auto Set] und [Manual Set] sind nun aktiviert.
2. Klicken Sie auf [Auto Set].
Das Dialogfenster für die Auto Setting erscheint.
Die <IP Address>, <Subnet Mask> und das <Gateway> werden automatisch eingerichtet.



3. Geben Sie das Kennwort ein.
Geben Sie das Passwort des "admin" Kontos für den Zugriff auf die Kamera ein.

- Es wird empfohlen, dass Sie für Ihr Passwort aus Sicherheitsgründen eine Kombination aus Zahlen, alphabetischen Groß- und Kleinbuchstaben und Sonderzeichen verwenden.
- Informationen für das Ändern des Passworts finden Sie in der Online-Hilfe des WebViewer.

4. Klicken Sie auf [OK].
Die automatische Netzwerkeinstellung ist beendet.



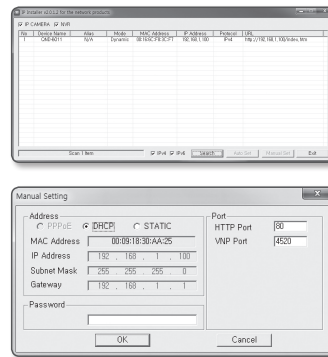
EINSTELLUNG DER DYNAMISCHEN IP

Einstellung der dynamischen IP-Umgebung

- 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

Die dynamische IP überprüfen

1. Führen Sie den IP-Installer auf dem lokalen Computer des Benutzers aus.
Kameras mit **<Dynamic IP>** werden in der Liste angezeigt.
2. Wählen Sie eine Kamera aus den Suchergebnissen aus.
3. Klicken Sie auf die Schaltfläche **[Manual Set]** und prüfen Sie die **<Dynamic IP>** der Kamera.
Wenn die Markierung von **<DHCP>**, gelöscht wird, kann IP auf **<Static>** eingestellt werden.

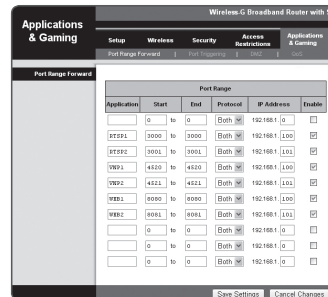


PORTBEREICHWEITERLEITUNG KONFIGURIEREN (PORT MAPPING)

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 Einstellungs Menü 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.

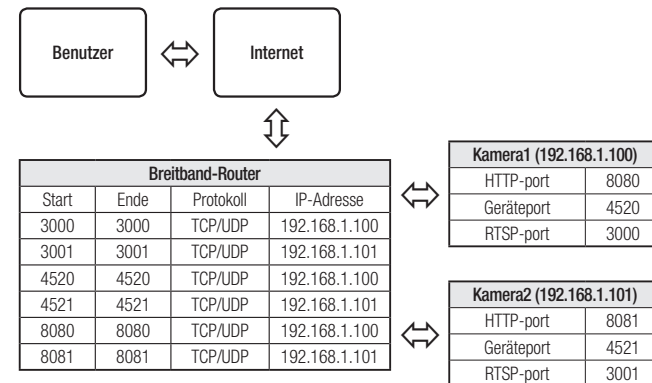


- Die oben Beispielanweisungen basieren auf dem CISCO's Breitband-Router.
- Die Netzwerkeinstellungen können sich je nach Breitband-Routermodell unterscheiden.
Für mehr Informationen, lesen Sie im Benutzerhandbuch des Routers nach.

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.

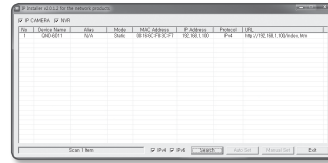
Wenn Kamera 1 und Kamera 2 an einen Router angeschlossen sind :



- Die Port-Weiterleitung lässt sich ohne zusätzliche Router-Einstellung vornehmen, wenn der Router die UPnP (Universal Plug and Play) Funktion unterstützt.
Nach Anschließen der Netzwerkkamera, **<Quick connect>** von **<Wisenet DynDNS>** zu **<Ein>** im **"Setup → Netzwerk → DDNS"** Menü festlegen.

VON EINEM GEMEINSAMEN LOKALEN PC EINE VERBINDUNG ZU DER KAMERA HERSTELLEN

1. Führen den IP-Installer aus.
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

Da die Verwendung des IP-Installers auf einem Remotecomputer der nicht im Netzwerk-Cluster des Breitband-Routersverbunden ist, nicht zugelassen wird, können Benutzer auf die Kameras innerhalb des Breitband-Router-Netzwerks über die DDNS URL der Kamera zugreifen.

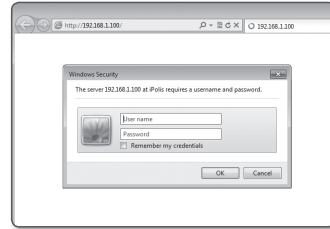
1. Bevor Sie auf eine Kamera im Breitband-Router-Netzwerk zugreifen können, sollten Sie die Portbereichweiterleitung für den Breitband-Router eingestellt haben.
2. Starten Sie den Internetbrowser auf dem entfernten Computer und geben Sie die DDNS-URL der Kamera oder die IP-Adresse des Breitband-Routers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

- Informationen, wie die DDNS zu registrieren ist, können Sie der Einrichtungsanleitung für Netzwerke entnehmen.

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 oder DSL-Modem, 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. Beim Erscheinen des Fensters **"Passwort ändern"**, ein neues Passwort eingeben.



- 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.

1. Geben Sie „**admin**“ in das **<User name>** Eingabefeld ein. Die Administrator ID, „**admin**“, kann nicht verändert werden.
2. Geben Sie das Passwort in dem Eingabefeld **<Password>** ein.
3. 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 Bildseitenverhältnis kann das Bild an den Rändern abschneiden.

EINRICHTUNG VON CAMERA WEB VIEWER

1. Klicken Sie auf das **[Einrichten (⚙️)]**-Symbol.
2. Das Fenster für die Einstellungen erscheint.
3. 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.
4. Klicken Sie auf **<Hilfe (🔗)>** um detaillierte Beschreibungen jeder Funktion betrachten zu können.

SPEZIFIKATIONEN

Elemente		Beschreibung	
		QND-6011	QND-6021
Video	Bildaufnahmegerät	1/2.8" 2MP CMOS	
	Effektive Pixel	1920(H) x 1080(V)	
	Mindestbeleuchtung	Farbe : 0,1 Lux (F2.0, 1/30 Sek.)	Farbe : 0,1 Lux (F1.6, 1/30 Sek.)
Objektiv	Brennweite (Zoomrate)	2,8 mm, fester Fokus	4 mm, fester Fokus
	Max. Blendenverhältnis	F2.0	F1.6
	Sichtwinkelfeld	H: 113,74° / V: 61,5° / D: 134,45°	H: 87,6° / V: 46,4° / D: 104,5°
	Fokus-Steuerung	Fixiert	
Schwenken / Neigen / Drehen	Schwenk-/Kipp-/Drehbereich	0°~350° / 0°~69° / 0°~355°	
Funktionsweise	Kameratitel	Bis zu 85 Zeichen werden angezeigt	
	Tag und Nacht	Auto (Elektrisch)	
	Gegenlichtkompensation	BLC, WDR, SDR	
	BREIT-Dynamischer Bereich	120dB	
	Digitale Rauschunterdrückung	SSNR	
	Bewegungserkennung	4 ea, polygonale Zonen	
	Privatsphärenausblendung	6 ea, rechteckige Zonen	
	Verstärkungssteuerung	Support	
	Weißabgleich	ATW / AWC / Manuell / Innenbereich / Außenbereich	
	LDC	Support	
	Elektronischer Blendenverschluss	Minimum / Maximum / Anti-Flimmern (1/5~1/12,000 Sek.)	
	Videodrehung	Umdrehen, Spiegeln, Hausflur (90° / 270°)	
	Analyse	Defokussieren-Erkennung, Bewegungserkennung, Manipulation	
	Business-Intelligence	Menschenzählen	
	Alarm Auslöser	Analyse, Netzwerk trennen	
	Alarmereignisse	• Datei Hochladen über FTP, E-Mail • Benachrichtigung über E-Mail • SD-/SDHC-/SDXC- oder NAS-Aufnahme durch Ereignis auslösen	

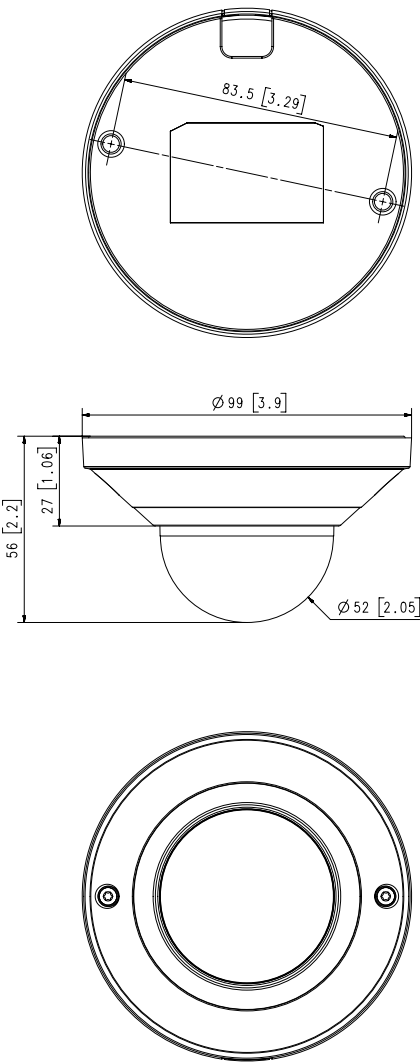
Elemente	Beschreibung	
	QND-6011	QND-6021
Ethernet	RJ-45 (10/100BASE-T)	
Videokomprimierungsformat	H.265/H.264 : Main/High, MJPEG	
Auflösung	1920 x 1080, 1280 x 960, 1280 x 720, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360	
Max. Framerate	H.265/H.264 : Max 30fps/25fps (60Hz/50Hz) MJPEG : Max 15fps/12fps (60Hz/50Hz)	
Smart Codec	WiseStreamII	
Video Qualität Anpassung	H.264/H.265 : Zielbitrate Pegelsteuerung MJPEG : Qualitätslevelsteuerung	
Bitrate Steuerungsmethode	H.264/H.265 : CBR oder VBR Motion JPEG : VBR	
Streaming	Unicast (6 Nutzer) / Multicast Multi-Streaming (bis zu 3 Profile)	
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	
Anwendungsprogrammierschnittstelle	ONVIF Profile S/G/T SUNAPI(HTTP API) Offene Wisenet-Plattform	
Sprache der Webseite	Englisch, Koreanisch, Französisch, Deutsch, Spanisch, Italienisch, Chinesisch, Russisch, Japanisch, Schwedisch, Portugiesisch, Tschechisch, Polnisch, Türkisch, Niederländisch, Ungarisch, Griechisch	
Web Viewer	Unterstützte Betriebssystem : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Empfohlener Browser: Google Chrome Unterstützte Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit unterstützt), Apple Safari(Mac OS X unterstützt)	
Speicher	512 MB RAM, 256 MB Flash	

Netzwerk

Elemente		Beschreibung	
		QND-6011	QND-6021
Betriebsbedingungen	Betriebstemperatur / Feuchtigkeit	-10°C ~ +55°C (14°F ~ +131°F) / Weniger als 90% rel.Luftfeuchtigkeit	
	Lagerungstemperatur / Feuchtigkeit	-30°C ~ +60°C (-22°F ~ +140°F) / Weniger als 90% rel.Luftfeuchtigkeit	
	Zertifizierung	IP42, IK08	
Elektrisch	Eingangsspannung	PoE(EEE802.3af, Class2)	
	Energieverbrauch	PoE: Max 4,8 W, typisch 2,8 W	
Mechanisch	Farbe / Materiell	Weiß/Plastik	
	RAL-Code	RAL9003	
	Produktabmessungen/Gewicht	Ø99 x 56 mm (Ø3,9 x 2,2"), 145 g	

PRODUKTANSICHT

Einheit: mm [inch]



FEHLERSUCHE

PROBLEM	LÖSUNG
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 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.
Es wird kein Video angezeigt, wenn ich auf den Webviewer neu zugreife oder zum Client streamen.	Die maximal verfügbare Profilanzahl ist 3. Die Verbindung kann unterbrochen werden, wenn Sie 4 oder mehr Profile nutzen. Beispiel) Wenn Sie auf MJPEG, H264 und H265 zugreifen und dann mit einem anderen Profil zugreifen, geht die Verbindung verloren.
Die an das Netzwerk verbundene Kamera wird im IP-Installationsprogramm 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
<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 fehlergeschlagen 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	
zerocoinf	GPL 2.0	

LGPL SW

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

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- Version 1.1

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

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

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



Hanwha Techwin hat sich dem Schutz der Umwelt verpflichtet und wendet in allen Phasen des Produktherstellungsprozesses umweltfreundliche Verfahren an, um seinen Kunden umweltgerechtere Produkte zu liefern.

Das Eco-Gütesiegel ist ein Zeichen für die Absicht von Hanwha Techwin, Produkte zu liefern, und zeigt an, dass die Produkte die RoHS-Richtlinie der EU erfüllen.



Korrekte Entsorgung von Altgeräten (Elektroschrott)

(In den Ländern der Europäischen Union und anderen europäischen Ländern mit einem separaten Sammelsystem)
Die Kennzeichnung auf dem Produkt, Zubehörteilen bzw. auf der dazugehörigen Dokumentation gibt an, dass das Produkt und Zubehörteile (z. B. Ladegerät, Kopfhörer, USB-Kabel) nach ihrer Lebensdauer nicht zusammen mit dem normalen Haushaltsmüll entsorgt werden dürfen. Entsorgen Sie dieses Gerät und Zubehörteile bitte getrennt von anderen Abfällen, um der Umwelt bzw. der menschlichen Gesundheit nicht durch unkontrollierte Müllbeseitigung zu schaden. Helfen Sie mit, das Altgerät und Zubehörteile fachgerecht zu entsorgen, um die nachhaltige Wiederverwertung von stofflichen Ressourcen zu fördern.

Private Nutzer wenden sich an den Händler, bei dem das Produkt gekauft wurde, oder kontaktieren die zuständigen Behörden, um in Erfahrung zu bringen, wo Sie das Altgerät bzw. Zubehörteile für eine umweltfreundliche Entsorgung abgeben können.

Gewerbliche Nutzer wenden sich an ihren Lieferanten und gehen nach den Bedingungen des Verkaufsvertrags vor. Dieses Produkt und elektronische Zubehörteile dürfen nicht zusammen mit anderem Gewerbemüll entsorgt werden.



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.

