

NETZWERKKAMERA

Benutzerhandbuch

XNP-6550RH



Netzwerkamera

Benutzerhandbuch

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Handelsmarke

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Beachten Sie bitte, der Benutzer ist für die Sicherheit und alle weiteren Probleme, die sich aus einem Missmanagement des Passworts ergeben verantwortlich.

WICHTIGE SICHERHEITSHINWEISE

1. Lesen Sie diese Anweisungen.
2. Bewahren Sie sie auf.
3. Beachten Sie alle Warnungen.
4. Befolgen Sie alle Anweisungen.
5. Verwenden Sie dieses Gerät nicht in der Nähe von Wasser.
6. Die verunreinigte Stelle auf der Produktoberfläche mit einem weichen, trockenen oder feuchten Tuch reinigen. (Keine Reinigungs- oder kosmetischen Mittel verwenden, die Alkohol, Lösungsmittel oder Ölbestandteile enthalten, da diese das Produkt deformieren oder schädigen können.)
7. Blockieren Sie keine Belüftungsöffnungen. Installieren Sie es gemäß den Herstelleranweisungen.
8. Installieren Sie das Gerät nicht in der Nähe von Wärmequellen wie beispielsweise von Radiatoren, Heizkörpern oder anderen Geräten (einschließlich Verstärkern), die Wärme erzeugen.
9. Bitte achten Sie darauf, die Schutzvorrichtung des gepolten bzw. geerdeten Steckers nicht zu beschädigen. Ein gepolter Stecker verfügt über zwei Stifte, von denen einer breiter als der andere ist. Ein geerdeter Stecker hat zwei Stifte und einen Erdungsstift. Der breite Stift oder der dritte Stift ist für Ihre Sicherheit vorgesehen. Wenn der vorgesehene Stecker nicht in Ihre Steckdose passt, wenden Sie sich an einen Elektriker, um die veraltete Steckdose austauschen zu lassen.
10. Schützen Sie das Netzkabel so, dass nicht darauf getreten wird, und dass es insbesondere an den Steckern oder passenden Steckdosen bzw. der Stelle, an der das Kabel das Gerät verlässt, nicht abgeklemt wird.
11. Verwenden Sie nur die vom Hersteller angegebenen Zusatzgeräte/Zubehörteile.
12. Verwenden Sie für das Gerät nur Gestelle, Ständer, Stative, Konsolen und Tische, die vom Hersteller empfohlen oder in Verbindung mit dem Gerät verkauft werden. Bei Verwendung eines Transportwagens bewegen Sie das Gerät nur mit äußerster Vorsicht, um Verletzungen durch Umkippen zu vermeiden.
13. Trennen Sie das Gerät bei Gewitter oder längerer Abwesenheit vom Stromnetz.
14. Überlassen Sie alle Wartungsarbeiten qualifiziertem Kundendienstpersonal. Wartungsarbeiten sind erforderlich, wenn das Gerät in irgendeiner Weise beschädigt wurde, wie zum Beispiel ein beschädigtes Netzkabel oder Stecker, verschüttete Flüssigkeiten oder Gegenstände, die in das Gerät gefallen sind, das Gerät Regen oder Feuchtigkeit ausgesetzt wurde, nicht normal funktioniert oder fallen gelassen wurde.
15. Dieses Produkt ist dazu bestimmt, mit einer zugelassenen Stromversorgung verwendet zu werden, die mit „Klasse 2“ oder „LPS“ gekennzeichnet ist und mit 24 Vac (50/60 Hz) min. 4,9 A oder PoE, 1,15 A bemessen ist.
16. 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.
17. 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.
18. 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.
19. 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" in der Bedienungsanleitung.
20. Installation oder Verwendung des Produkts ins Wasser kann zu ernsthaften Schäden am Produkt führen.
21. Wenn Ihr Produkt normal funktioniert, beträgt der Grad der voreingestellten Präzision 0,2. Im Falle eines Neustarts auf Grund von Unterbrechung, Firmware-Aktualisierung, etc., muss die Toleranz eventuell eingestellt werden, nachdem die Vorgegebenen Einstellungen geprüft wurden.



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.

Die Motoren zum Schwenken/Neigen/Zoomen sowie der Gleitring haben eine Garantie von einem Jahr im Dauereinsatz.

VORSICHT



ERKLÄRUNG DER GRAPHISCHEN SYMBOLE



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



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

Klasse I nbauart

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

Akku

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

Die Batterie kann nicht ersetzt werden.

Trennung des Geräts

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

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

ACHTUNG

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.

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

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 : MS Windows, Mac OS X
 - Empfohlener Browser: Google Chrome
 - Unterstützte Browser: MS Explorer, MS Edge, Mozilla Firefox (nur Windows 64bit), Apple Safari (nur Mac OSX)
- ※ Sie können detaillierte Informationen zu verifizierten Betriebssystemen und Browsern im Anhang finden.

EMPFOHLENE TECHNISCHE DATEN FÜR MICRO 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
Netgear NAS	Maximal 16 Kameras können gleichzeitig zugreifen.
Synologie NAS	Maximal 16 Kameras können gleichzeitig zugreifen.



- Bei Nutzung von NAS-Geräten von Netgear, dürfen Sie keine Nutzungskapazität zuweisen.
- Falls Sie NAS-Geräte für sonstige Zwecke, als die Videospeicherung verwenden, wird möglicherweise die Anzahl von zugänglichen Kameras reduziert.

LIEFERUMFANG

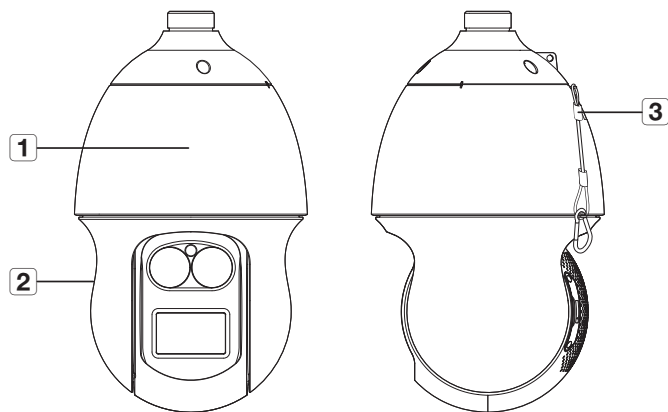
Überprüfen Sie bitte, ob in der Produktverpackung die Kamera und alle Zubehörteile enthalten sind.
(Da in jedem Vertriebsland die Zubehörteile nicht die gleichen sind.)

Produktdesign	Bezeichnung	Menge	Beschreibung
	Hauptgehäuse	1	
	Kurzanleitung (Optional)	1	
	Garantiekarte (Optional)	1	
	HPoE-Injektor ※ Nur im Lieferumfang des XNP-6550RH enthalten / (*US, *EU, *JP)	1	Verbindet Stromversorgung und Netzwerk
	Netzkabel ※ Nur im Lieferumfang des XNP-6550RH enthalten / (*US, *EU, *JP)	1	Verbindet HPoE
	Testmonitor-Kabel	1	Wird zum Testen des Kameraanschlusses an ein tragbares Displaygerät verwendet
	Audio-/RS-485-Kabel	1	Verwendet zum Anschluss von Audio und RS-485
	Inbusschraube	3	Für die Befestigung der Kamera am Montagefuß.
	L-förmiger Schraubenschlüssel	1	Für die Montage des Montagefußes nach dessen Befestigung an der Kamera.

Produktdesign	Bezeichnung	Menge	Beschreibung
	Montagefuß	1	Halterung zur Montage des Produkts
	Wasserfestes Zubehör	1	In Räumen mit hoher Luftfeuchtigkeit installieren und verwenden.

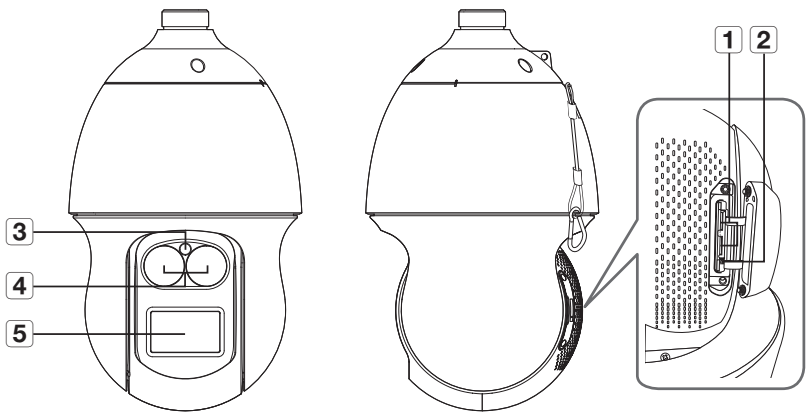
AUF EINEN BLICK

Aufbau



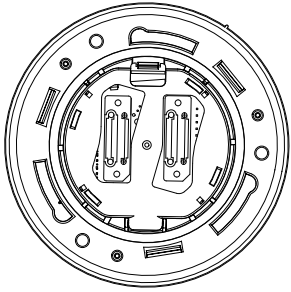
Bezeichnung	Beschreibung
1 Haupteinheit	Schützt den PTZ-Mechanismus im Innern vor direktem Sonnenlicht, Regen oder Stoß.
2 Abschirmdeckel	Abschirmdeckel für das Objektiv und den Geräteschutz.
3 Sicherheitskabel	Das Kabel verhindert, dass das Produkt während der Installation stürzt.

Im Inneren

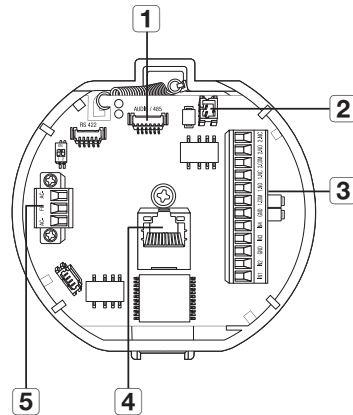


Bezeichnung	Beschreibung
1 Micro SD-Speicherkartenfach	Fach für die Micro SD-Speicherkarte. ☒ Lesen Sie unter <Einsetzen/Entfernen einer Micro SD-Speicherkarte> wie die Micro SD-Karte eingelegt werden soll. (Seite 10)
2 Reset-Taste	Diese Taste setzt alle Kameraeinstellungen auf die Werkseinstellungen zurück. 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.
3 Beleuchtungssensor	Erkennt das einfallende Licht, und steuert die Infrarot-LED.
4 IR LED	Diese infrarot LEDs werden über den Beleuchtungssensor gesteuert.
5 Objektiv	Kameraobjektiv.

Ansicht der Unterseite des Montagefußes



Innenansicht des Montagefußes



Bezeichnung	Beschreibung
1 Audio-/RS-485-Steckverbinder	Dies ist eine Klemme für den Anschluss von Audio- und RS-485-Kabeln.
2 Videoausgang	Buchse für den analogen Videoausgang. (für die Installation)
3 Anschlüsse für Alarm E/A	Für den Anschluss der Alarm E/A Kabel.
4 Netzwerkanschluss	Anschluss für die Verbindung mit dem Netzwerk mittels Ethernet-Kabel.
5 Stromanschluss	Für den Anschluss des Stromkabels.

INSTALLATION

- ! Diese Kamera ist wasserdicht und entspricht den IP66-Spezifikationen, allerdings trifft das nicht auf die an das äußere Kabel angeschlossene Buchse zu. Es wird eine Produktinstallation unter der Traufenkante empfohlen, damit eine äußerliche Freilegung des Kabels unterbunden wird.

Bevor Sie mit der Installation beginnen

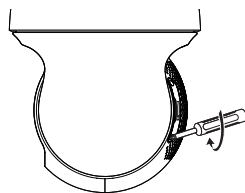
Bitte lesen Sie die folgenden Anweisungen, bevor Sie die Kamera installieren:

- Wählen Sie einen Aufstellungsort, der mindestens 5-mal das Gewicht der Kamera 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.
- Falls das Produkt mit großem Kraftaufwand installiert wird, kann die Kamera aufgrund von Fehlfunktionen beschädigt werden. Das Erzwingen der Montage mit nicht-konformen Werkzeugen kann das Produkt beschädigen.

Die Micro SD-Speicherkarte einsetzen

1. Die beiden Schrauben an der SD-Halterung lösen, indem Sie mit dem Schraubenzieher gegen den Uhrzeigersinn gedreht werden.

- ! Das Netzkabel von der Kamera abtrennen, bevor die Micro SD-Speicherkarte eingelegt wird.
- Bei Regen oder hoher Luftfeuchtigkeit empfiehlt es sich nicht, die Micro-SD-Karte einzulegen oder zu entfernen.
- Stellen Sie den Produktkörper bei der Installation/Entfernung der Micro-SD-Speicherkarte auf einen flachen Untergrund, um den Verlust oder das Herunterfallen von Teilen zu vermeiden.
- Die Schrauben nicht vollständig entfernen.

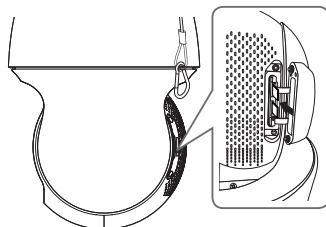


2. Die SD-Halterung nach oben ziehen und die Micro SD-Speicherkarte in Pfeilrichtung wie in der Abbildung dargestellt hinein drücken.

- ! Nicht mit Gewalt in falscher Richtung einsetzen. Dies kann Ihre Micro SD-Speicherkarte und Ihr Produkt beschädigen.

3. Die Kamera in der umgekehrten Reihenfolge der Zerlegung montieren nachdem die Micro SD-Speicherkarte eingesetzt wurde.

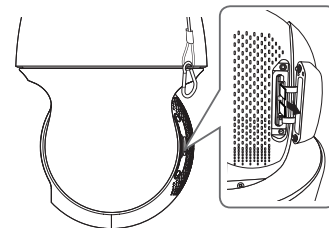
- ! Die Schrauben bei der Montage der Kamera anziehen, um ein Eindringen von Feuchtigkeit zu verhindern.



Die Micro SD-Speicherkarte entfernen

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

- ! Bitte beachten Sie, dass, falls Sie die Micro SD-Speicherkarte fest drücken und loslassen, sobald sie ausgeworfen wird, diese herausspringen kann.
- Bevor Sie die Micro SD-Speicherkarte im <Speicherkapazität> entfernen, müssen Sie das Gerät auf <Aus> stellen und die [Anwenden]-Taste drücken und die Kamera deaktivieren.
- Wenn Sie die Kamera ausschalten oder die Micro SD-Speicherkarte mit Produktdaten entfernen, gehen Daten möglicherweise verloren oder werden beschädigt.



Vorbereitung & Befestigung der Kamerahalterung

Die Installationsanweisungen für die Halterungen und Gehäuse sind den den Halterungen und Gehäusen beiliegenden Bedienungsanleitungen zu entnehmen.

■ Erhältliche Halterungen

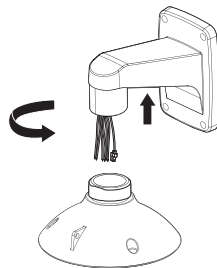
Modell	Montage
SBP-300WM1	Wandmontage
SBP-300WM	
SBP-300CM	Deckenmontage
SBP-300LM	Fensterbrettmontage
SBP-300KM	Eckenmontage
SBP-300PM	Säulenmontage

- ☑ Unter „Optionales Installationszubehör“ ist eine Übersicht der einzelnen Halterungen dargestellt (nicht im Lieferumfang enthalten). (Seite 13)

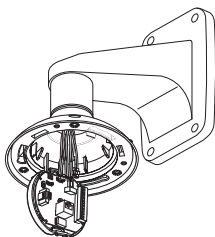
Installation mit Wandhalterung

■ Den Montagefuß an der Halterung befestigen

1. Den Montagefuß durch Drehen im Uhrzeigersinn an der Halterung befestigen.



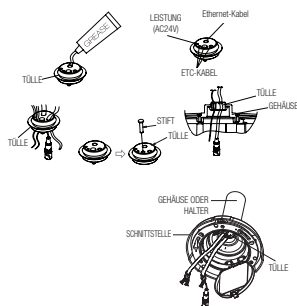
2. Wie auf der Abbildung dargestellt, den Knopf an der sich auf der Unterseite des Montagefußes befinden Klappe vorsichtig nach oben drücken. Für den Anschluss der Kabel, siehe „Schnittstelle für die Kameraverkabelung“ auf Seite 14.



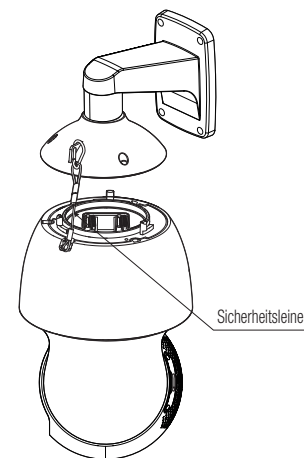
- ! ■ Die Kamera nicht an die Stromversorgung anschließen, bevor die Installation abgeschlossen ist. Wenn die Stromversorgung bereits während der Installation angeschlossen wird, kann dies zu Feuer oder der Beschädigung des Geräts führen.

☑ Kabelverbindungen überprüfen und installieren.

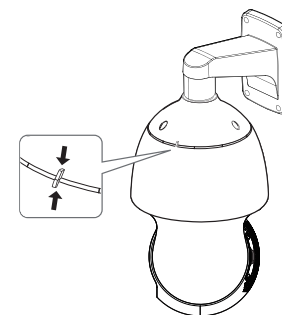
- Beachten Sie, dass für die Installation im Freien, wo aufgrund von Witterung Feuchtigkeit über das **ROHR** oder die **HALTERUNG** eindringen können, **TÜLLEN** mitgeliefert werden. Montieren Sie das **GEHÄUSE** unter Verwendung der **TÜLLEN**, um Feuchtigkeitseintritt zu verhindern.
 - Tragen Sie, bevor Sie die **TÜLLEN** einsetzen, auf diese sparsam Schmiermittel auf und führen Sie die Kabel durch die Löcher der Tüllen. Verwenden Sie **STIFTE**, um damit leere Löcher, durch die keine Kabel verlaufen, zu verschließen.
 - Setzen Sie die **TÜLLEN** wie abgebildet an der Oberseite des **GEHÄUSES** innen ein. Üben Sie auf die **TÜLLE** kurz Druck aus, um Sie – wie in der Abbildung dargestellt – am **GEHÄUSE** sicher zu befestigen.



3. Die Sicherheitsleine der Kamera am Montagefuß befestigen.

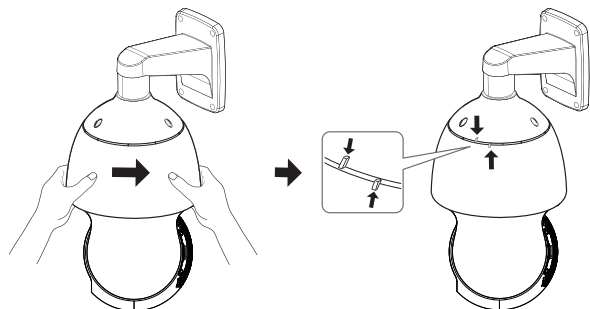


4. Zusammensetzen der Kamera und des Montagefußes Beim Zusammensetzen die Markierungen der Kamera und des Montagefußes aufeinander ausrichten.



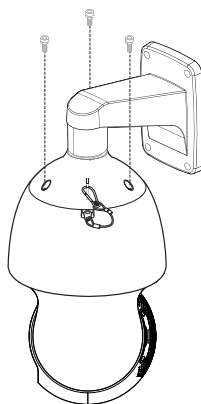
5. Die Kamera befestigen

Drehen Sie das Kameragehäuse im Uhrzeigersinn, um das Referenzzeichen im oberen und unteren Abschnitt zu positionieren (wie in der Abbildung angezeigt).



6. Secure Camera and Installation Base

As shown in the picture below, secure the installation base and camera using 3 hexagon screws.



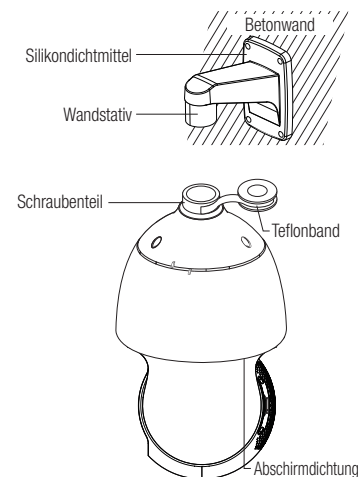
Anmerkungen zur Wasserdichtheit

Dieses Modell ist ein Produkt mit integriertem Gehäuse für die Installation im Außenbereich.

■ Bei Kombination des Hauptgehäuses und der Wandhalterung für die Montage an der Wand

1. Das Wandstativ an der vertikalen Wand anbringen. Wird es an eine schräge Wand montiert, kann Feuchtigkeit über das externe Kabel in das Hauptgehäuse eindringen.
2. Für die Montage wickeln Sie das Schraubteil des Gehäuses ausreichend mit einem Teflonband ein.
3. Bitte stellen Sie sicher, dass die Dichtung nicht vom Abschirmdeckel getrennt wird, wenn der Abschirmdeckel abgenommen und auf den Gehäusekörper montiert wird.
4. Den Wandstativadapter wasserdicht einbauen und zwecks Abdichtung zwischen und um die Wand beim Wandstativ ein Silikondichtmittel auftragen.

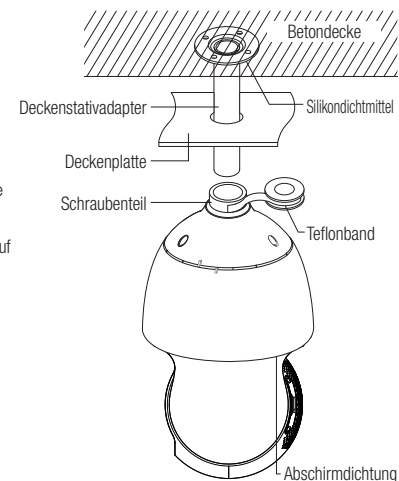
! ■ Wenn die eingebaute Seite nicht plan ist, ist besonders darauf zu achten, dass eine ausreichende Abdichtung gegeben ist.



■ Bei Kombination des Hauptgehäuses und des Deckenhalterungsadapters für die Installation an der Wand

1. Für die Montage wickeln Sie das Schraubteil des Gehäuses ausreichend mit einem Teflonband ein.
2. Bitte stellen Sie sicher, dass die Dichtung nicht vom Abschirmdeckel getrennt wird, wenn der Abschirmdeckel abgenommen und auf den Gehäusekörper montiert wird.
3. Den Deckenstativadapter wasserdicht einbauen und zwecks Abdichtung zwischen und um die Wand beim Deckenstativ ein Silikondichtmittel auftragen.

! ■ Wenn die eingebaute Seite nicht plan ist, ist besonders darauf zu achten, dass eine ausreichende Abdichtung gegeben ist.

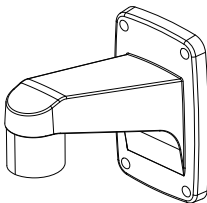


Optionales Installationszubehör

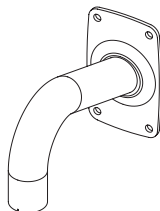
Um die Montage zu vereinfachen, kann passendes Montagezubehör bestellt werden.

1. Für die Wandmontage

- Wandhalterung (SBP-300WM1)

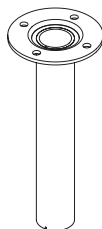


- Wandhalterung (SBP-300WM)



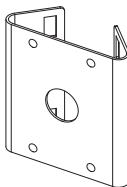
2. Für die Deckenmontage

- Deckenhalterung (SBP-300CM)



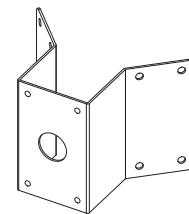
3. Für die Montage der Wandhalterung (SBP-300WM/SBP-300WM1) an einer wenigstens 80mm langen Stange.

- Säulenhalterung (SBP-300PM)



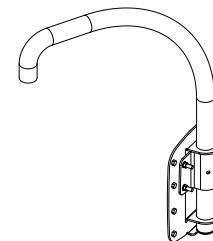
4. Für die Montage der Wandhalterung (SBP-300WM/SBP-300WM1) in einer Wandecke

- Eckhalterung (SBP-300KM)

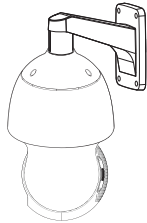


5. Für die Montage auf einem Gebäudedach

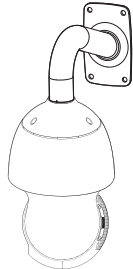
- Brüstung-Montageset (SBP-300LM)



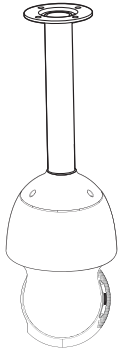
■ Befestigungsgelenk



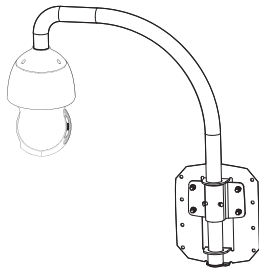
Wandhalterung (SBP-300WM1)



Wandhalterung (SBP-300WM)



Deckenhalterung (SBP-300CM)

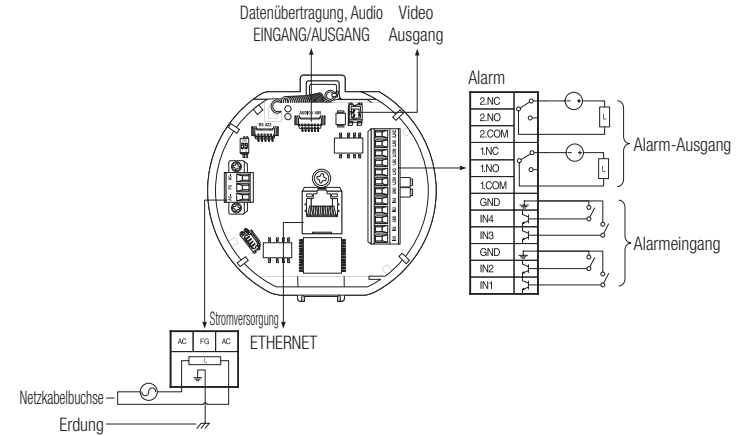


Brüstung-Montageset (SBP-300LM)

ANSCHLUSS AN ANDERE GERÄTE

Schnittstelle für die Kameraverkabelung

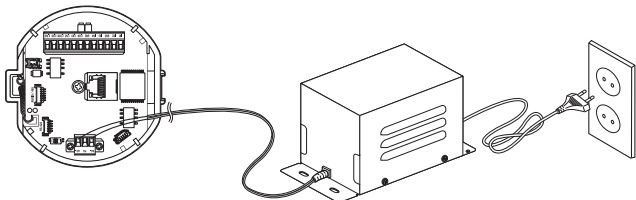
Die Kameraverkabelung ist auf folgender Abbildung dargestellt.



- Im Menü Einstellung „Normal Öffnen“ auswählen
 - Aktivierung des Sensoreingangs: Während des Kurzschließens für den Kontakttyp oder wenn der aktive Typ auf Tiefstand ist.
- Im Menü Einstellung „Normal Schließen“ auswählen.
 - Aktivierung des Sensoreingangs: Wenn es für den Kontakttyp geöffnet oder wenn der aktive Typ hochohmig ist (Open Collector).
- Die maximale Ausgangsleistung am Alarmsignal-Anschluss beträgt 30 V DC / 2 A, 125 V AC / 0,5 A und 250 V AC / 0,25 A.
- Beim Anschluss der Alarm Eingangs- und Ausgangskabel sicherstellen, dass ein Kabel an jeden Anschluss angeschlossen wird.
- Bei einem Anschluss von Geräten mit einer höheren Leistung als die Kamera bitte ein zusätzliches Relais verwenden.
- Sind Stromversorgungskabel und GND-Kabel am NC/NO- oder COM-Port falsch angeschlossen, besteht Brandgefahr, und beim Gerät kann ein Störfall bewirkt werden.

Vorbereitung des Netzteils und der Kabel

- Schließen Sie die Kamera an das Netzgerät an. Schließen Sie anschließend das Stromkabel an die Steckdose an.



Vor dem Anschließen an die Steckdose die Spannung und den Strom prüfen.

Nennspannung	Zulässige Spannung	Stromaufnahme
AC 24V	22V – 26V Wechselstrom	6 A

- Das Produkt kann nicht bei -50°C Umgebungstemperatur oder darunter verwendet werden.
- Das Produkt wird möglicherweise bei -50°C, je nach dem Montagebereich, nicht entfrostat.
- Nachdem das Produkt in einer Umgebung mit Niedrigtemperatur angebracht ist, wird es bis zu 2 Stunden dauern, ehe es normal zu funktionieren beginnt.
- Die Geschwindigkeit des Zooms beim IR-Dimmer kann sich bei -40°C oder noch niedrigerer Temperatur verlangsamen.
- Wird das Produkt eingeschaltet, nachdem es eine gewisse Zeit lang -20°C oder einer noch niedrigeren Temperatur ausgesetzt war, dann setzen Sie die Zeit zurück.
- Wenn ein externes Gerät angeschlossen werden soll, das externe Gerät vor dem Fortfahren ausschalten.

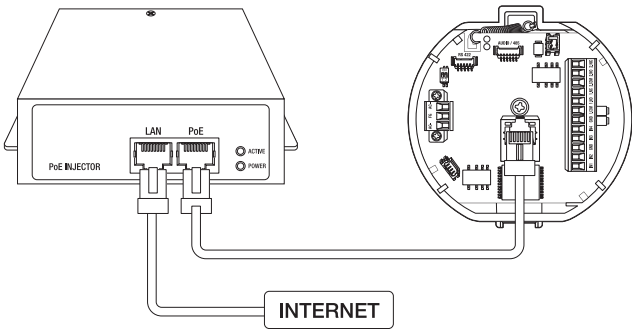
Spezifikation des Stromversorgungskabels

Bei einem AC 24 V-Eingang:

Kabeltyp (AWG)	#16	#14
Kabellänge (max.)	14m	23m

Ethernet-Verbindung

Verbinden Sie das Ethernetkabel mit dem lokalen Netzwerk oder dem Internet.



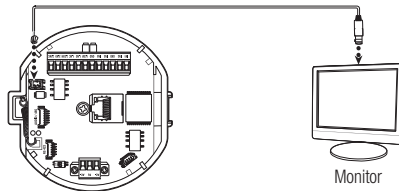
- Bitte einen kompatiblen Adapter für die entsprechende Geräteleistung verwenden.

Netzwerkkabel-Spezifikation

Artikel	Inhalte	Anmerkung
Stecker	RJ45 (10/100BASE-T)	
Ethernet	10/100BASE-T	
Kabel	UTP Kategorie 5e	
Max. Entfernung	100M	Gleichstromwiderstand $\leq 0,125 \Omega/m$
HPoE Support	HPoE	

Anschluss des Monitors

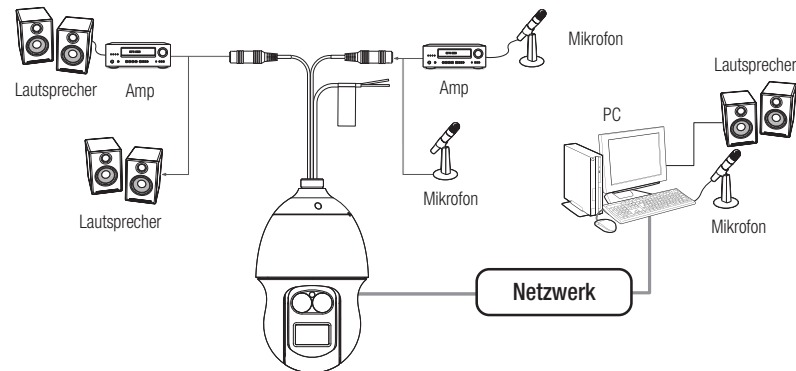
Das Kabel an den Video-Ausgang auf der Rückseite der Kamera und an den Video-Eingang des Monitors anschließen.



- Die Verkabelung hängt von der Art des Monitors und der Peripheriegeräte ab; siehe die entsprechenden Betriebsanleitungen der einzelnen Geräte.
- Beim Anschließen der Kamera an den Monitor sicherstellen, dass beide Geräte ausgeschaltet sind.

- !**
- Bei diesem Gerät handelt es sich um eine Netzwerk-Kamera, die die Videodaten über ein Netzwerk überträgt; die Anschlussklemme für den Videoausgang wird bei der Installation für die Einstellung des Abbildungsbereichs verwendet.
 - Die Verwendung dieser Anschlussklemme für Überwachungszwecke kann zu Problemen, wie einer schlechten Bildqualität führen.
 - Es ist nicht geeignet für eine 24-Stunden-Überwachung ist unter Verwendung von professionellen CRT Monitors oder tragbaren TFT/LCD Monitors.
 - Verwenden Sie den Netzwerkübertragungsbildschirm zur 24-Stunden-Überwachung und Speicherung.

Audio E/A Blockdiagramm



- Verbinden Sie den AUDIO IN Anschluss der Kamera mit dem Mikrofon oder dem LINE OUT Anschluss des Verstärkers, an den das Mikrofon angeschlossen ist.
- Verbinden Sie den AUDIO OUT Anschluss der Kamera mit dem Lautsprecher oder dem LINE IN Anschluss des Verstärkers, an den das Mikrofon angeschlossen ist.
- 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** : 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 Vms
- **Line out Impedanz** : 600Ω

Kameraverkabelung

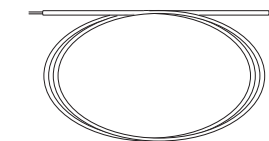
Kontrollsignalverbindung

- RS-485 Datenübertragung



Datenübertragungskabel

Für die Steuerung der Kamera über den Controller ist eine RS-485 Leitung erforderlich.



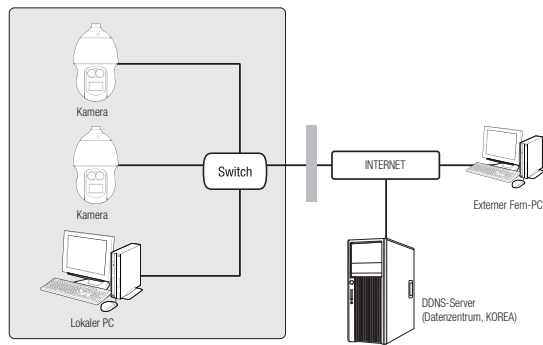
- !**
- Für diesen Anschluss darf die Kabellänge maximal 30m betragen.
 - Das Datenübertragungskabel ist nicht im Lieferumfang enthalten.

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

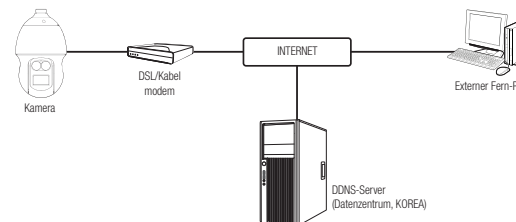
1. Starten Sie einen Internetbrowser am lokalen PC.
2. Geben Sie die IP-Adresse der Kamera in die adressenleiste des browsers ein.



<Lokales Netzwerk>

- 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 18)

VERBINDEN DER KAMERA DIREKT MIT EINEM DHCP BASIERTEN DSL/ KABELMODEM



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

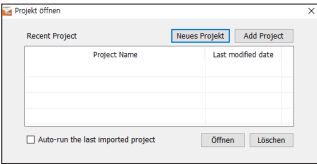
- Informationen für das Einrichten von DDNS finden Sie in der Online-Hilfe des WebViewer.
- Informationen für das Einrichten des IP-Formats finden Sie in der Online-Hilfe des WebViewer.

VERWENDEN DES DEVICE MANAGER

- Das Programm Device Manager kann heruntergeladen werden im Menü <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

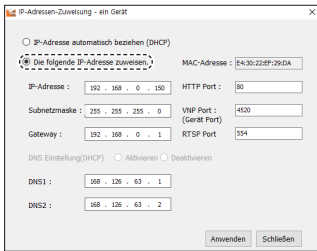
Wenn Sie die Netzwerkeinstellung der Kamera ändern möchten, muss das Symbol <Login OK> unter <Status> angezeigt werden. Zum Anmelden auf der Hauptseite auf <Credential> klicken.

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.



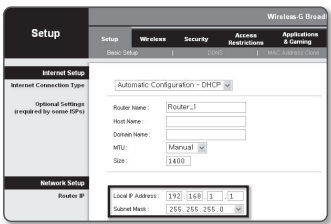
Wenn Sie keinen Breitband-Router verwenden

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 20)

Wenn mehrere Kameras mit dem Breitband-Router verbunden sind

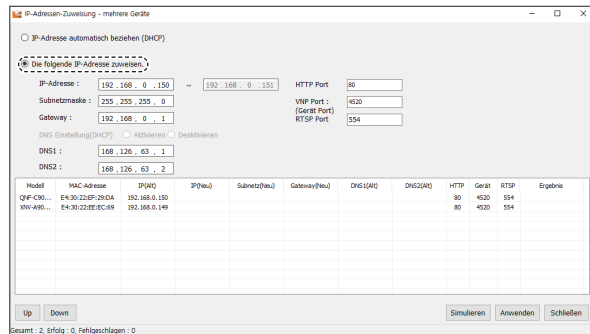
Konfigurieren Sie die IP- und Port-Einstellungen für jede Kamera einzeln und in Übereinstimmung mit den anderen.

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.

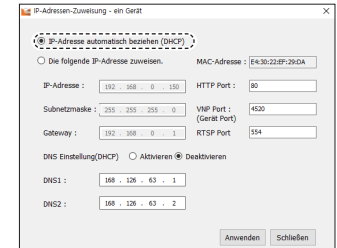
Konfigurieren der dynamischen IP

IP-Adresse vom DHCP-Server beziehen.

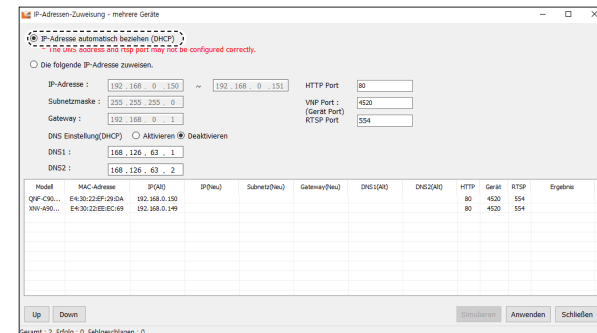
- Beispiel einer dynamischen IP-Umgebung
 - Wenn einem Breitband-Router, mit dem Kameras verbunden sind, eine IP-Adresse von einem DHCP-Server zugewiesen wird
 - Wenn die Kamera direkt mit einem xDSL- oder Kabelmodem mithilfe eines DHCP-Protokolls verbunden wird
 - Wenn die IP-Adressen von dem internen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

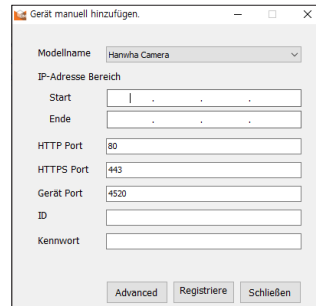


1. In der Liste auf die Kamera klicken, von der die IP-Einstellungen geändert werden sollen.
2. Auf der Hauptseite des Device Manager auf <IP Assign> klicken.
3. <IP-Adresse automatisch beziehen (DHCP)> auswählen.
4. Klicken Sie auf die Schaltfläche [Anwenden], um mit der IP-Zuweisung zu beginnen.
5.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

MANUELLES REGISTRIERUNG DER KAMERA

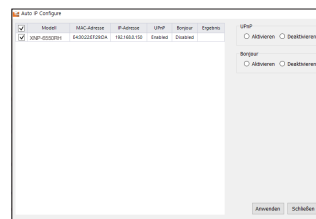
Wenn die Kamera mit der Suchfunktion nicht gefunden werden kann, kann die Kamera aus der Ferne registriert werden, indem die IP-Information manuell eingegeben werden, wenn die Kamera mit dem externen Netzwerk verbunden ist.

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]**.

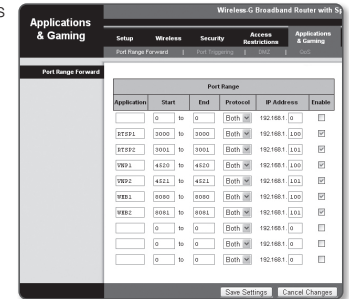


PORTBEREICHWEITERLEITUNG KONFIGURIEREN (PORT MAPPING)

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.

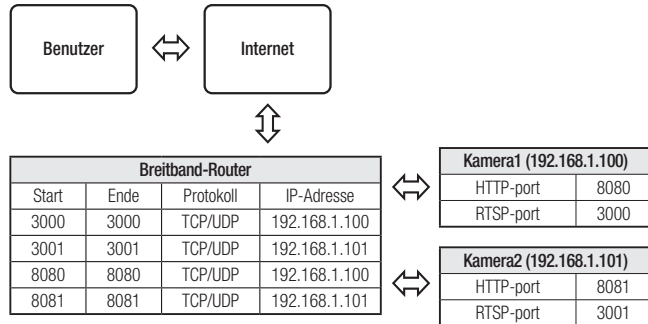


- Die Einstellung des Port-Forwarding wird am Beispiel der Einstellung eines CISCO IP-Routers gezeigt.
- Die Netzwerkeinstellungen können sich je nach Breitband-Routermodell unterscheiden. Für mehr Informationen, lesen Sie im Benutzerhandbuch des Routers nach.

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

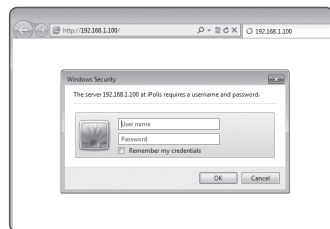
Auf einem entfernten Computer, der sich nicht im Netzwerk-Cluster des Breitband-Routers befindet, können Anwender auf Kameras im Netzwerk des Breitband-Routers durch die Verwendung der DDNS-URL der Kamera zugreifen.

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

Falls die Kamera direkt an ein DHCP-basiertes Kabelmodem oder DSL-Modem angeschlossen wird, ändert sich die IP-Adresse bei jedem Versuch, eine Verbindung mit dem ISP (der Firma, die Sie abonniert haben) herzustellen.

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. 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.

Administrator password change

New password

Confirm new password

. If the password is 8 to 9 letters long, then it should be a combination of at least three types upper/lower case alphabets, numbers and special characters.
. If the password is 10 to 15 letters long, then it should be a combination of at least two types upper/lower case alphabets, numbers and special characters.
. User name should be different from password.
. The following special characters are available for use: ~!@#\$%^&*()-+=|{}[]_?/
. Don't use 4 or more characters consecutive together. (examples: 1234, abcd)
. Don't use 4 or more characters repeated. (examples: 111, 1111, aaaa)

ANMELDEN

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

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.

Windows Security

The server 192.168.1.100 at iPolis requires a username and password.

User name

Password

☐ Remember my credentials

OK Cancel

EINRICHTUNG VON CAMERA WEB VIEWER

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
Video	Bildaufnahmegerät	1/2.8" 2.16 CMOS
	Gesamtpixelanzahl	1945(H) X 1109(V), 2,16 M Pixel
	Effektive Pixel	1945(H) X 1097(V), 2,13 M Pixel
	Abtastsystem	Progressive Scan
	Mindestbeleuchtung	Farbe : 0,02 lux (1/30 Sek, F1,6) S/W : 0,002 lux (1/30 Sek, F1,6) 0 Lux (IR LED an)
	Signal-Rauschabstand	50dB
	Videoausgang	CVBS : 1.0 Vp-p / 75Ω Composite, 720x480(N), 720x576(P), für die Installation
Objektiv	Brennweite (Zoomrate)	4.75mm ~ 261.4mm (55x)
	Max. Blendenverhältnis	F1,6 (Wide) ~ F6,5 (Tele)
	Sichtwinkelfeld	H : 58,6°(Wide) ~ 1,23°(Tele) / V : 34,8°(Wide) ~ 0,71°(Tele)
	Mindestentfernung zum Objekt	5 m
	Fokus-Steuerung	AF / Monostabil AF / Manuell
	Objektivart	DC Autom. Blende
	Montagetyp	Fest integriert
	Zoom-Geschwindigkeit	Ca. 5 Sek. (Weit zu Tele)
Schwenken / Neigen / Drehen	Schwenkbereich	360° Endlos
	Schwenkgeschwindigkeit	Voreinstellung : 400°/Sek. Manuell : 0,024°/Sek. -250°/Sek.
	Neigebereich	95°(-5° ~ 90°)
	Neigegeschwindigkeit	Voreinstellung : 250°/Sek. Manuell : 0,024°/Sek. -250°/Sek.
	Sequenz	Voreinstellung (300ea), Schwenken, Gruppe (je 6), Verfolgen, Tour, Auto-Ausführen, Zeitplan
	Voreingestellte Präzision	±0.2°
	Azimet	Ja (O/W/S/N/NO/NW/SO/SW OSD)
	Autom. Nachverfolgen	Aus / Ein

	Elemente	Beschreibung
Funktionsweise	Sichtbare Länge	500 m
	Kameratitel	Aus / Ein (bis zu 85 Zeichen werden angezeigt) - W/W: Englisch/Numerisch/Sonderzeichen - Allgemein: Mehrfachleitungen (Max. 5), Farbe (Grau/Grün/Rot/Blau/Schwarz/Weiß), Transparenz, Automat. Skalierung je nach Auflösung
	Tag und Nacht	Autom. (Elektrisch) / Farbe / S/W
	Gegenlichtkompensation	Aus / BLC / HLC / WDR
	BREIT-Dynamischer Bereich	120dB
	Kontraststeigerung	SSDR (Aus / Ein)
	Digitale Rauschunterdrückung	SSNR5 (2D+3D Rauschunterdrückung) (Aus / Ein)
	Digitale Bildstabilisierung	Aus/Ein (eingebauter Gyroskop)
	Entnebeln (Optical)	Auto/Manuell/Aus
	Bewegungserkennung	Ja (8 Polygonfelder)
	Privatsphärenausblendung	Aus / An (24 Zonen rechteckiger Zonen) - Farbe : Grau/Grün/Rot/Blau/Schwarz/Weiß - Zoomverhältnisooption für Maskenmodus - Mosaik-Option
	Verstärkungssteuerung	Aus / Gering / Mittel / Hoch
	Weißabgleich	ATW / AWC / Manuell / Innen / Außen / Quecksilber / Natrium
	Elektronischer Blendenverschluss	Minimum / Maximum / Anti-Flimmer (2 ~ 1/12,000Sek)
	Digitalzoom	32x , Bereich Zoomfunktion Unterstützung digitales Zoom 2x
	Bild drehen	Umdrehen / Spiegeln : Aus/Ein
	Intelligente Video-Analyse	Manipulierung, Herumstehen, Richtungserkennung, Virtuelle Linie, Betreten/ Verlassen, Zeigen/Verbergen, Geräusch-Erkennung, Gesichtserkennung, Bewegungserkennung, Nebelerkennung, Geräuschklassifizierung
	Alarm E/A	Eingang 4 Stk. / Ausgang 2Stk (Relais-Art)
	Fernbedienungsschnittstelle	RS-485
	RS-485 Protokoll	Samsung-T, Pelco-D/P, Panasonic, Honeywell, AD, Vicon, GE, BOSCH
	Alarm Auslöser	Alarmeingang, Bewegungserkennung, intelligente Videoanalyse, Netzwerk trennen

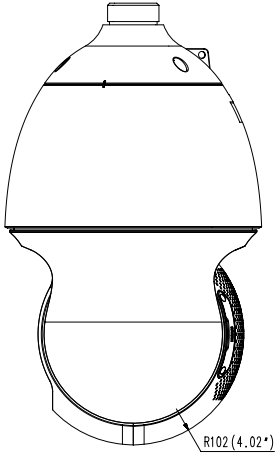
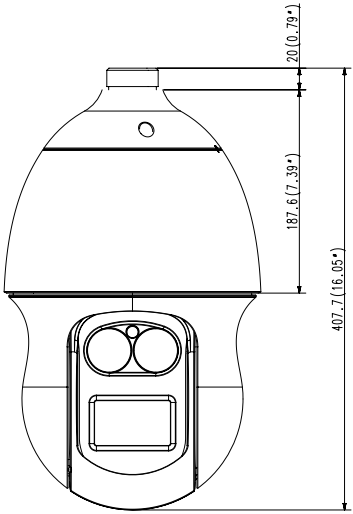
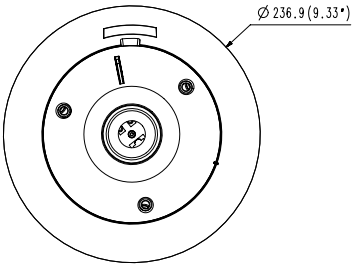
Elemente	Beschreibung
Funktionsweise	• Hochladen der Datei über FTP, E-Mail • Benachrichtigung über E-Mail • Lokaler Speicher (SD/SDHC/SDXC) oder NAS-Aufnahme bei Ereignis. (Alarmauslöser) • Externe Ausgabe • PTZ-Voreinstellung
	Audio In Wählbar (Mic IN/Linie IN), Netzspannung: 2,5VDC(4mA), Eingabeimpedanz: etwa 2K Ohm
	Audio aus Ausgang (3,5mm Stereo-Klinke), Max. Ausgangspegel: 1Vrms
	Pixel-Zähler Stütze
Netzwerk	Ethernet RJ-45 (10/100 BASE-T) SFP (* nur Einsatz von SBP-303HF)
	Videokomprimierungsformat H.265/H.264 (MPEG-4 Teil 10/AVC) : Primär/Basislinie/Hoch, Bewegung JPEG
	Auflösung 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
	Max. Framerate H.265/H.264: Max. 60 FPS bei allen Auflösungen Bewegungs-JPEG: Max. 30 FPS bei allen Auflösungen
	Smart codec Manueller Betrieb (bereichsbasiert : JE 5)
	WiseStream II Stütze
	Video Qualität Anpassung H.264/H.265/MJPEG : Bitrate-Levelsteuerung
	Bitrate Steuerungsmethode H.264/H.265: CBR oder VBR MJPEG : VBR
	Streaming Kapazität Mehrfach Streaming (Bis zu 10 Profile)
	Audiokomprimierungsformat G.711 u-law /G.726 Selectable G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48 Kbps bei 16KHz
	Audiokommunikation Bidirektional

Elemente	Beschreibung
IP	IPv4, IPv6
Protokoll	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Sicherheit	HTTPS (SSL) Authentifizierungsprotokoll Anmelde-Übersicht Authentifizierung IP-Adressfilter Benutzerzugriff Protokoll 802.1x Authentifizierungsmethode (EAP-TLS, EAP-LEAP)
Streaming-Methode	Unicast/Multicast
Max. Benutzerzugriff	20 Benutzer im Unicast-Modus
Netzwerk	Randspeicher Micro SD/SDHC/SDXC 2 Einschübe (bis zu 512 GB) - Kontinuierliche Aufnahme (1. Einschub auf 2. Einschub) - Aufnahme bewegter Bilder auf der Micro SD/SDHC/SDXC Speicherkarte kann heruntergeladen werden NAS (Network Attached Storage) Lokaler PC für Sofortaufnahme
	Application Programming Interface ONVIF Profile S/G SUNAPI 2.0(HTTP API) WiseNet Open Plattform
	Sprache der Webseite Englisch, Französisch, Deutsch, Spanisch, Italienisch, Chinesisch, Koreanisch, Russisch, Japanisch, Schwedisch, Portugiesisch, Tschechisch, Polnisch, Türkisch, Niederländisch, Ungarisch, Griechisch
	Web Viewer Unterstützte Betriebssystem : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 Empfohlener Browser: Google Chrome Unterstützter Browser : IE11, MS Edge, Mozilla Firefox (Nur Windows 64bit), Apple Safari 10 (wird nur bei Mac OS X)
	Software zur zentralen Verwaltung SmartViewer

Elemente		Beschreibung
Betriebsbedingungen	Betriebstemperatur / Feuchtigkeit	AC 24 V : -50°C ~ +55 (-58°F ~ +131°F) / Weniger als 90% rel. Luftfeuchtigkeit HPoE : -40°C ~ +55°C (-40°F ~ +131°F) / Weniger als 90% rel. Luftfeuchtigkeit * Das Starten muss bei über -30°C erfolgen (HPoE Modus)
	Lagerungstemperatur / Feuchtigkeit	-50°C ~ +60°C (-58°F ~ +140°F) / Weniger als 90% rel. Luftfeuchtigkeit
	Schutz vor Eindringling	IP66
	Vandalismusbeständig	IK10
Elektrisch	Eingangsspannung / Strom	AC24V / HPoE
	Energieverbrauch	AC 24 V : 92 W HPoE : 60 W
Mechanisch	Farbe / Materiell	Schwarz (Kopf) + Elfenbein (Gehäuse)/Aluminum, Plastik
	Abmessungen (Ø x H)	Ø236,9 x H407,7 mm
	Gewicht	7,2kg

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.
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. - Überprüfen Sie, ob das Objektivmodul einwandfrei arbeitet.

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: - Prüfen Sie die Einstellungen unter <Datum & Uhrzeit>. - Die <Bewegungserkennung> muss auf <Aktivieren> gestellt sein. - Prüfen Sie, ob die Option <E-mail> im <Ereigniseinrichtung> Menü markiert ist.
Am Port für den Signalausgang wird kein Signal erkannt, selbst wenn ein Ereignis der intelligenten Videoanalyse aufgetreten ist.	Prüfen Sie die Einstellungen des Ports für den Signalausgang.
Auf die Micro SD Speicherkarte kann nicht aufgenommen werden.	Auf die SD-Speicherkarte kann nicht aufgenommen werden.
Die Micro SD Speicherkarte ist eingelegt, aber die Kamera funktioniert nicht richtig.	- Überprüfen Sie, ob die Speicherkarte richtig herum eingelegt wurde. Für diese Kamera kann nicht garantiert werden, dass eine Speicherkarte, die mit einem anderen Gerät formatiert wurde, reibungslos funktioniert. - Formatieren Sie die Speicherkarte über das Menü <Setup> → <Ereignis> → <Speicherkapazität>.
Kann nicht in NAS aufnehmen.	Bestätigen Sie, dass die in NAS registrierten Informationen richtig sind.
Meldet, dass die NAS-Einstellung fehlgeschlagen ist.	- Bestätigen Sie, dass die IP-Adresse des NAS gültig ist. - Bestätigen Sie, dass die ID/dass Passwort des NAS gültig ist. - Bestätigen Sie, dass Sie auf den als Basisordner bezeichneten Ordner mit der NAS-ID zugreifen können. - Bestätigen Sie, dass die NAS SMB/CIFS-Punkte nicht angekreuzt sind. - Bestätigen Sie, dass die NAS IP-Adresse und die Kamera-IP-Adresse dasselbe Format haben. Ex) Der Erstwert des NAS & der Kamerasubnetzmaske ist 255.255.255.0. Ist die IP-Adresse 192.168.20.32, sollte sich die NAS IP-Adresse im Bereich von 192.168.20.1~192.168.20.255. befinden - Prüfen Sie, ob Sie als ein anderer Benutzer ohne Formatierung des gespeicherten oder benutzten Basisordners zugreifen wollten. - Bestätigen Sie, dass Sie empfohlene NAS-Ausrüstung benutzen.

OPEN SOURCE ANNOUNCEMENT

GPL/LGPL software license

The software included in this product contains copyrighted software that is licensed under the GPL/LGPL. You may obtain the complete Corresponding Source code from us for a period of three years after our last shipment of this product by sending email to help.cctv@hanwha.com

If you want to obtain the complete Corresponding Source code in the physical medium such as CD-ROM, the cost of physically performing source distribution might be charged.

GPL SW

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

LGPL SW

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

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Version 2, June 1991

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4. In accordance with the license granted under Article 4.1 above, the System Developer may perform the following acts:

1. to perform any and all acts set forth in the Article 4.3 above.
2. to develop and manufacture the Embedded Product containing the Binary Code, and, whether with or without payment, provide the End User with the same and make the Binary Code available to the End User on the Embedded Product.

5. The Source Code User and the System Developer shall be obligated to give a notice that the Source Code is used, in such a way as separately specified by T-Engine Forum, when they use the Source Code or the Binary Code, or make the Binary Code available for the End User on the Embedded Product.

Article 5. Distribution of Modified Source Code

1. Any of A- members of T-Engine Forum may become the Distributor of Modification by obtaining the approval of T-Engine Forum through the registration procedure as prescribed by the Forum provided that only the department of the A- member which has taken the registration procedure may distribute the Modified Source Code in such a way as provided for in this Article as long as it holds the Amembership.

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4. The Distributor of Modification shall determine the name of the Modified Source Code subject to the rules separately established by T-Engine Forum and publish an appropriate notice as required by the rules on the Patch for Modification and the Modified Source Code.

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7. The Distributor of Modification may perform the Vicarious Execution of Patch Processing for the System Developer.

8. The System Developer shall not distribute the Modified Source Code in further modified form to any third party as a stand-alone software product.

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Article 6. Distribution and Registration of the Ported Source Code

1. The Source Code User and the System Developer may, whether with or without charge, distribute to any third party only the following parts of the Ported

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1. The Hardware-dependent Part and/or Compiler-dependent Part; provided that the Source Code User and the System Developer shall inform T-Engine Forum of, and T-Engine Forum may publish, a method for distributing said Part(s) to third parties.

2. The Header File; provided that the Header File shall be distributed together with the Binary Code of the Ported Source Code.

2. Any member of T-Engine Forum may request T-Engine Forum to register and distribute, as an original source code for T-Kernel, the Ported Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.

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1. The member shall confirm that the object hardware is the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.
2. The member shall provide T-Engine Forum with a complete set of operational environment for the object hardware and T-Kernel free of charge when requesting the distribution.
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5. The provision set forth in Article 3 shall apply to the Ported Source Code registered in accordance with this Article.

Article 7. Use for Other Purpose

1. Any use of the Source Code, the Modified Source Code or the Ported Source Code other than those stipulated in Articles 4, 5 and 6 shall be subject to the prior approval of T-Engine Forum.

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Julian Seward, jseward@bzip.org

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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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