

WISeNeT

NETZWERKKAMERA

Benutzerhandbuch

LND-6010R/LND-6020R/LND-6030R/LND-6070R
LNO-6010R/LNO-6020R/LNO-6030R/LNO-6070R
LNV-6010R/LNV-6020R/LNV-6030R/LNV-6070R



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 einem Listennetzteil der „Klasse 2“ oder „LPS“ geliefert und von PoE , 0.18A.
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.



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.

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.

WARNUNG

Um Gesundheitsschäden zu vermeiden, die durch IR-LED verursacht werden können, dürfen Sie nicht in die Operationslampe starren.

Nur für die nachfolgenden Modelle.

LND-6010R/LND-6020R/LND-6030R/LND-6070R

LNO-6010R/LNO-6020R/LNO-6030R/LNO-6070R

LNV-6010R/LNV-6020R/LNV-6030R/LNV-6070R

Risikogruppe 1

WARNUNG IR, das aus diesem Produkt austritt.

Blicken Sie nicht in die Operationslampe

Produkt geprüft gemäß IEC 62471

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PRODUKT-FUNKTIONEN

- **Staub/Wasserdicht (IP66) (LNO-6010R/6020R/6030R/6070R, LNV-6010R/6020R/6030R/6070R)**

Durch die staub- und wasserdichte Auslegung kann diese Kamera problemlos außerhalb von Gebäuden auch an Orten installiert werden, an denen Sie Regen ausgesetzt ist.

- **IR-Modus**

Wenn die IR-Anzeige anspricht, schaltet das Gerät in den IR-Modus, damit ein Objekt nicht zu hell dargestellt wird, wodurch sich nahe am Objektiv befindende Objekt leichter identifiziert werden können.

- **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**

Falls ein Ereignis eintritt, werden verwandte Videos an den registrierten E-Mail- und FTP-Server des Benutzers gesendet oder auf der Micro SD-Speicherkarte gespeichert.

- **Manipulation Erkennung**

Erkennt Versuche, die Video Überwachung zu manipulieren.

- **Bewegungserkennung**

Erkennt Bewegungen auf den von der Kamera eingehenden Videobildern.

- **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

- Unterstützte Betriebssystem : Windows, Mac OS X

- **Plug-in freier Web-Viewer**

Unterstützte Webbrowser: Google Chrome, MS Edge, Mozilla Firefox (nur Windows 64bit), Apple Safari (nur Mac OS X)

- **Plug-in-Web-Viewer**

Unterstützte Webbrowser: MS Explorer

- VGA : PCIe 256MB GDDR3 Videografikkarte oder höher

※ Ausführliche Informationen zum Betriebssystem und Browser bitte im Anhang nachlesen.







EMPFOHLENE TECHNISCHE DATEN FÜR MICRO SD/SDHC SPEICHERKARTEN

- Empfohlene Kapazität : 16GB ~ 32GB (MLC-Typ)

- Wir empfehlen Ihnen für Ihre Kamera die Verwendung einer Speicherkarte der folgenden Hersteller:
Micro SD/SDHC Speicherkarte : Sandisk, Transcend

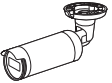







LIEFERUMFANG (LND-6010R/6020R/6030R/6070R)

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	
	Bedienungsanleitung, Installations-CD	1	
	Kurzanleitung (Optional)	1	
	Garantiekarte (Optional)	1	
	Schablone	1	Installationsanleitung des Produkts
	Selbstdrehende Schraube	2	Zur Montage an die Wand oder Decke






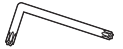




LIEFERUMFANG (LNO-6010R/6020R/6030R/6070R)

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(Da in jedem Vertriebsland die Zubehörteile nicht die gleichen sind.)

Produktdesign	Bezeichnung	Menge	Beschreibung	Modellbezeichnung
	Kamera	1		LNO-6010R/6020R/ 6030R/6070R
	Bedienungsanleitung, Installations-CD	1		Für alle Modelle verwendbar
	Kurzanleitung (Optional)	1		
	Garantiekarte (Optional)	1		
	Schablone	1	Installationsanleitung des Produkts	
	Selbstdrehende Schraube	3	Zur Montage an die Wand oder Decke	
	RJ45 wasserdichtes Zubehör	1	Wird zur Installation an feuchten Orten verwendet	LNO-6070R
	Kartentyp Feuchtigkeitsabsorbierend	1	Bei Installation befestigt.	

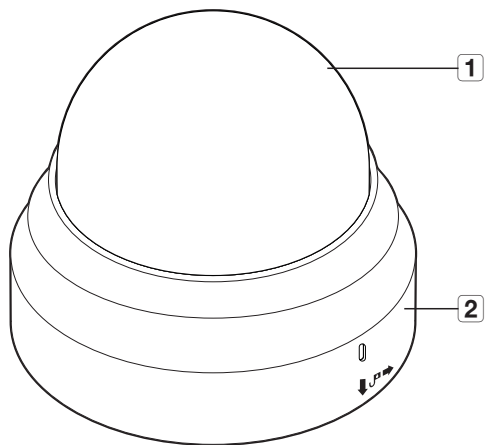
LIEFERUMFANG (LNV-6010R/6020R/6030R/6070R)

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

Produktdesign	Bezeichnung	Menge	Beschreibung	Modellbezeichnung
	Kamera	1		LNV-6010R/6020R/ 6030R/6070R
	Bedienungsanleitung, Installations-CD	1		Für alle Modelle verwendbar
	Kurzanleitung (Optional)	1		
	Garantiekarte (Optional)	1		
	Schablone	1	Installationsanleitung des Produkts	
	Sternförmiger Schraubenschlüssel	1	Wird für die Montage und Demontage von Kuppelabdeckungen verwendet	
	Kartentyp Feuchtigkeitsabsorbierend	1	Bei Installation befestigt.	
	Kabeltülle	1	Wird zum Verbinden des LAN-Kabel mit einem Durchmesser von 7-8,5 verwendet.	
	Selbstdrehende Schraube	2	Zur Montage an die Wand oder Decke	LNV-6010R/ 6020R/6030R
		3		LNV-6070R

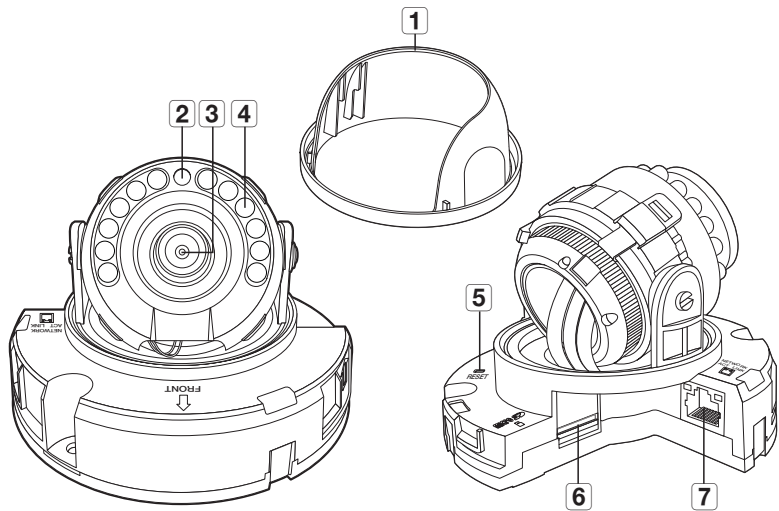
AUF EINEN BLICK (LND-6010R/6020R/6030R)

Aufbau



Bezeichnung	Beschreibung
1 Abdeckklappe	Gehäuseabdeckung zum Schutz des Objektivs und der Haupteinheit.
2 Kamera-Gehäuse	Teil des Kameragehäuses.

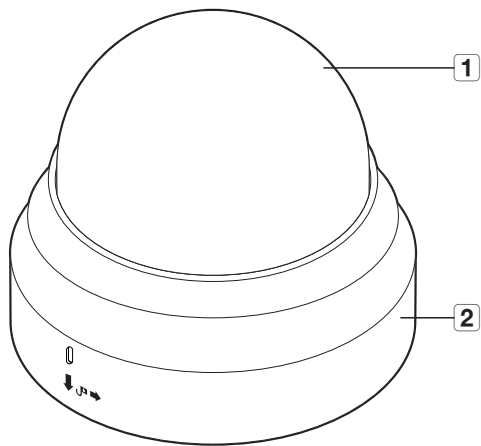
Komponenten



Bezeichnung	Beschreibung
1 Innendeckel	Schutzabdeckung für das Gehäuse.
2 Beleuchtungssensor	Erkennt das einfallende Licht, und steuert die Infrarot-LED.
3 Objektiv	Kameraobjektiv.
4 IR LED	Diese infrarot LEDs werden über den Beleuchtungssensor gesteuert.
5 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 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 verbunden werden kann.
6 Micro SD-Speicherkartenfach	Fach für die Micro SD-Speicherkarte.
7 PoE-Steckverbinder	Stellen Sie eine Stromversorgung über das Ethernet-Kabel und eine Verbindung mit dem Netzwerk her.

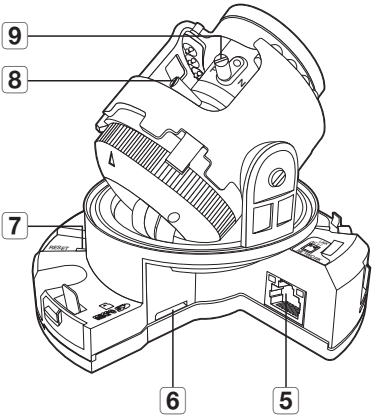
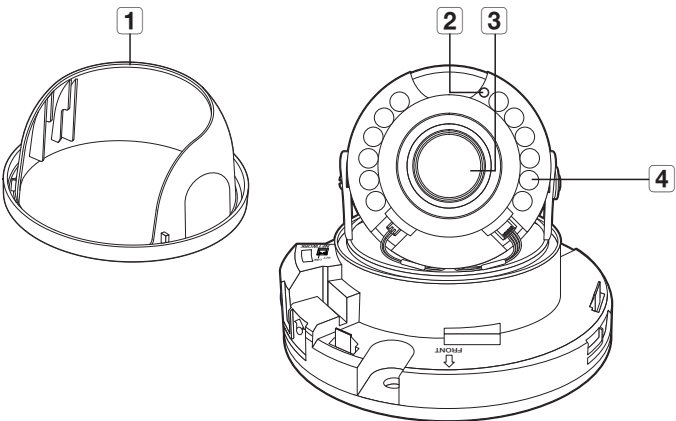
AUF EINEN BLICK (LND-6070R)


Aufbau



Bezeichnung	Beschreibung
1 Abdeckklappe	Gehäuseabdeckung zum Schutz des Objektivs und der Haupteinheit.
2 Kamera-Gehäuse	Teil des Kameragehäuses.

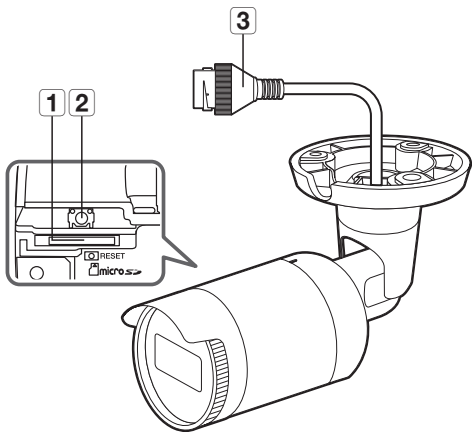
Komponenten



Bezeichnung	Beschreibung	
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5 PoE-Steckverbinder	Stellen Sie eine Stromversorgung über das Ethernet-Kabel und eine Verbindung mit dem Netzwerk her.	
6 Micro SD-Speicherkartenfach	Fach für die Micro SD-Speicherkarte.	
7 Reset-Taste	<p>Diese Taste setzt alle Kameraeinstellungen auf die Werkseinstellungen zurück. Drücken und 5 Sekunden gedrückt halten, um das System neu zu starten.</p> <p> 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 verbunden werden kann.</p>	
8 Zoom-Schalthebel	T	Vergrößern (Tele)
	W	Verkleinern (breit)
9 Schalthebel für Bildschärfe	Lösen Sie den Hebel und bewegen Sie ihn nach links oder rechts, um die Linse rein- oder rauszuzoomen. Drehen Sie den Hebel im Uhrzeigersinn, um die angepasste Position zu fixieren und eine Verschiebung zu verhindern.	
	N	Scharfeinstellung eines nahen Objekts (nah)
	F	Scharfeinstellung eines entfernten Objekts (fern)
9 Schalthebel für Bildschärfe	Lösen Sie den Hebel und bewegen Sie ihn nach links oder rechts, um den Linsenfokus anzupassen. Drehen Sie den Hebel im Uhrzeigersinn, um die angepasste Position zu fixieren und eine Verschiebung zu verhindern.	

AUF EINEN BLICK (LNO-6010R/6020R/6030R)

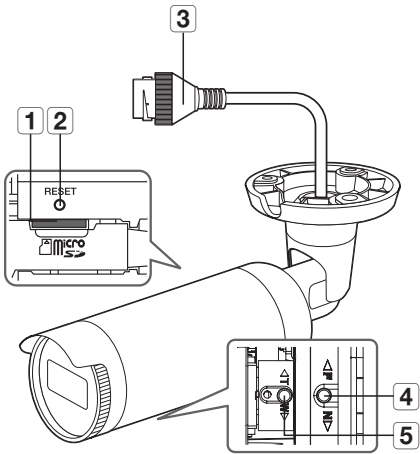
Aufbau



Bezeichnung	Beschreibung
1 Micro-SD-Kartensteckplatz	(Innenraum des Produkts) In diesen Steckplatz lässt sich eine Micro-SD-Karte einlegen.
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 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 verbunden werden kann.
3 PoE-Steckverbinder	Stellen Sie eine Stromversorgung über das Ethernet-Kabel und eine Verbindung mit dem Netzwerk her.

AUF EINEN BLICK (LNO-6070R)

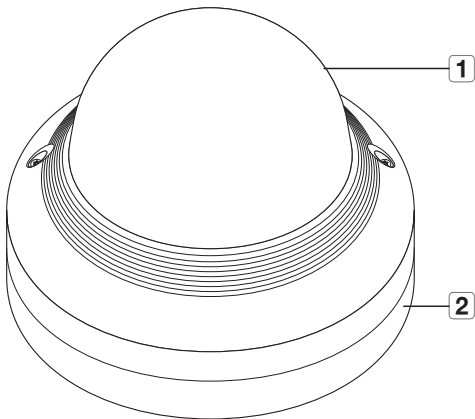
Aufbau



Bezeichnung	Beschreibung	
1 Micro-SD-Kartensteckplatz	(Innenraum des Produkts) In diesen Steckplatz lässt sich eine Micro-SD-Karte einlegen.	
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 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 verbunden werden kann.	
3 PoE-Steckverbinder	Stellen Sie eine Stromversorgung über das Ethernet-Kabel und eine Verbindung mit dem Netzwerk her.	
4 Schalthebel für Bildscharfe	N	Scharfeinstellung eines nahen Objekts (nah)
	F	Scharfeinstellung eines entfernten Objekts (fern)
5 Zoom-Schalthebel	Lösen Sie den Hebel und bewegen Sie ihn nach links oder rechts, um den Linsenfokus anzupassen. Drehen Sie den Hebel im Uhrzeigersinn, um die angepasste Position zu fixieren und eine Verschiebung zu verhindern.	
	T	Vergrößern (Tele)
	W	Verkleinern (breit)
5 Zoom-Schalthebel	Lösen Sie den Hebel und bewegen Sie ihn nach links oder rechts, um die Linse rein- oder rauszuzoomen. Drehen Sie den Hebel im Uhrzeigersinn, um die angepasste Position zu fixieren und eine Verschiebung zu verhindern.	

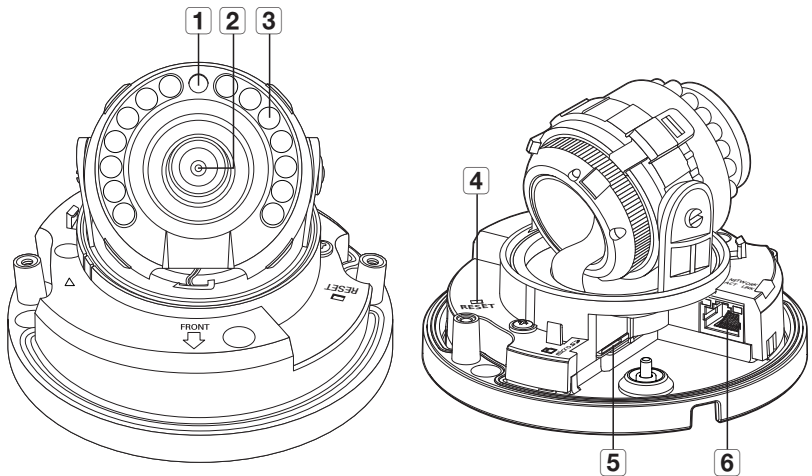
AUF EINEN BLICK (LNV-6010R/6020R/6030R)

Aufbau



Bezeichnung	Beschreibung
1 Abdeckklappe	Gehäuseabdeckung zum Schutz des Objektivs und der Haupteinheit.
2 Kamera-Gehäuse	Teil des Kameragehäuses.

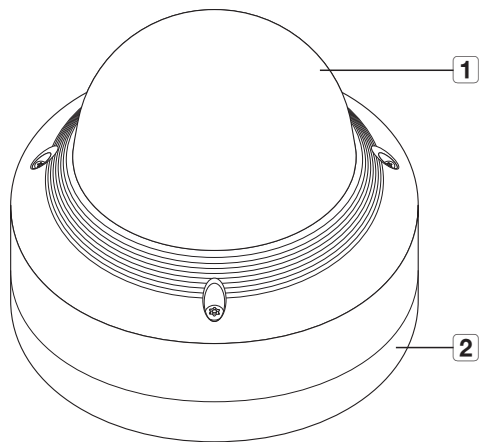
Komponenten



Bezeichnung	Beschreibung
1 Beleuchtungssensor	Erkennt das einfallende Licht, und steuert die Infrarot-LED.
2 Objektiv	Kameraobjektiv.
3 IR LED	Diese infrarot LEDs werden über den Beleuchtungssensor gesteuert.
4 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 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 erbinden werden kann.
5 Micro SD-Speicherkartenfach	Fach für die Micro SD-Speicherkarte.
6 PoE-Steckverbinder	Stellen Sie eine Stromversorgung über das Ethernet-Kabel und eine Verbindung mit dem Netzwerk her.

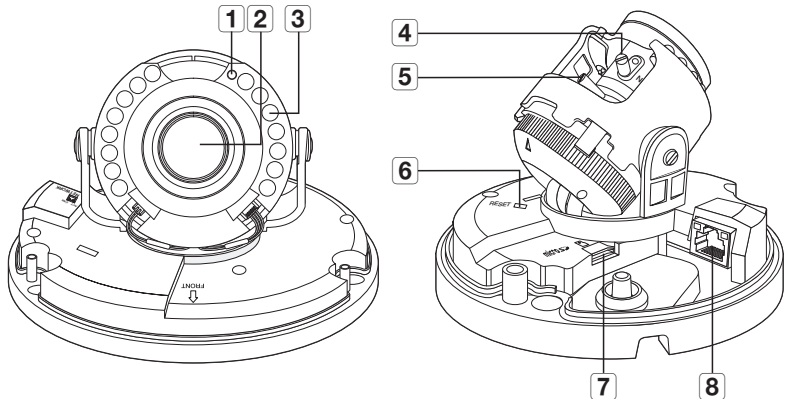
AUF EINEN BLICK (LNV-6070R)

Aufbau



Bezeichnung	Beschreibung
1 Abdeckklappe	Gehäuseabdeckung zum Schutz des Objektivs und der Haupteinheit.
2 Kamera-Gehäuse	Teil des Kameragehäuses.

Komponenten



Bezeichnung	Beschreibung	
1 Beleuchtungssensor	Erkennt das einfallende Licht, und steuert die Infrarot-LED.	
2 Objektiv	Kameraobjektiv.	
3 IR LED	Diese infrarot LEDs werden über den Beleuchtungssensor gesteuert.	
4 Schalthebel für Bildscharfe	N	Scharfeinstellung eines nahen Objekts (nah)
	F	Scharfeinstellung eines entfernten Objekts (fern)
5 Zoom-Schalthebel	Lösen Sie den Hebel und bewegen Sie ihn nach links oder rechts, um den Linsenfokus anzupassen. Drehen Sie den Hebel im Uhrzeigersinn, um die angepasste Position zu fixieren und eine Verschiebung zu verhindern.	
	T	Vergrößern (Tele)
6 Reset-Taste	W	Verkleinern (breit)
	Lösen Sie den Hebel und bewegen Sie ihn nach links oder rechts, um die Linse rein- oder rauszuzoomen. Drehen Sie den Hebel im Uhrzeigersinn, um die angepasste Position zu fixieren und eine Verschiebung zu verhindern.	
7 Micro SD-Speicherkartenfach	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 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 verbunden werden kann.	
8 PoE-Steckverbinder	Fach für die Micro SD-Speicherkarte.	
	Stellen Sie eine Stromversorgung über das Ethernet-Kabel und eine Verbindung mit dem Netzwerk her.	

INSTALLATION (LND-6010R/6020R/6030R/6070R)

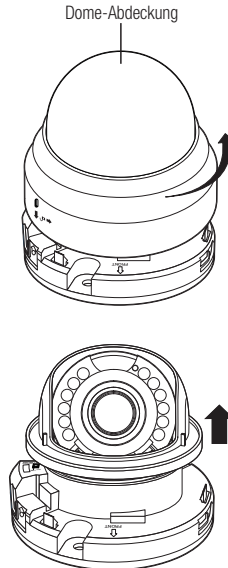
Bevor Sie mit der Installation beginnen

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.
- Für die manuelle, variable Fokus-Objektiv-Kamera müssen Funktionen, wie z.B. Fokus und Zoom, vor der Installation angepasst werden. Bei Anpassung dieser stellen Sie sicher, dass sich keine fremdartigen Materialien anhaften.

Demontage

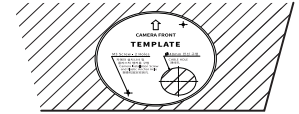
1. Um sie zu trennen den Kameraboden mit einer Hand halten und mit der anderen Hand den Kameradeckel gegen den Uhrzeigersinn drehen.



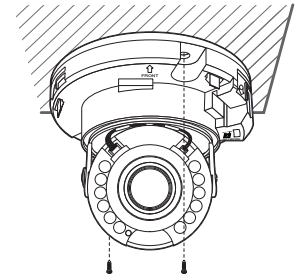
2. Den inneren Deckel heben, um sie zu trennen.

Installation

1. Setzen Sie die Installationsschablone an den gewünschten Standort und Bohrlöcher bei Einhaltung der Vorlage.



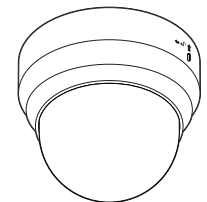
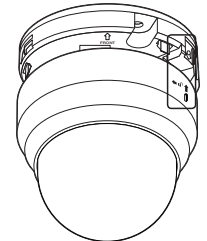
2. Die mitgelieferten Schneidschrauben verwenden, um die Kamera in den durch die Schablone gebohrten Löcher zu befestigen.
 - Die < > Markierung, die auf der Kamera aufgedruckt ist, so festlegen, dass sie der Kamerarichtung zur Überwachung gegenüberliegt.
3. Das kamerainterne Terminal mit dem entsprechenden Kabel verbinden.
4. Stellen Sie das Objektiv in eine gewünschte Richtung ein, indem Sie den Abschnitt „Überwachungsrichtung der Kamera einstellen“ nachsehen. (Seite 20)



- ! Es empfiehlt sich, das Objektiv nicht getrennt zu berühren, weil es vom Werk so versendet wird, dass der Brennpunkt nach Beendigung der Inspektion korrekt ausgerichtet ist. Die Berührung des Objektivs kann dazu führen, dass der Brennpunkt verzerrt oder das Objektiv verschmutzt. (LND-6010R/6020R/6030R)
- Für die manuelle, variable Fokus-Objektiv-Kamera müssen Funktionen, wie z.B. Fokus und Zoom, vor der Installation angepasst werden. Bei Anpassung dieser stellen Sie sicher, dass sich keine fremdartigen Materialien anhaften. (LND-6070R)

5. Bitte schließen Sie die innere Decke an den Hauptteil an.
6. Während Sie die Unterseite der Kamera mit der Hand greifen, bitte drücken Sie ihre Abdeckung mit der anderen Hand, so dass sie mit den zwei Pfeil-Symbolen ausgerichtet wird, wie es in der Abbildung angezeigt wird.

- ! Um den Domdeckel zu montieren, stellen Sie die Pfeile aufeinander und drücken Sie die Abdeckung fest. Wenn das Kuppelgehäuse während des Zusammenbaus gedreht oder falsch zusammengebaut wird, kann es vorkommen, dass eine diffuse Reflektion auftritt oder die Linsensektion sich dreht, wodurch sich die Aufnahmereichweite ändern kann.
- Stellen Sie sicher, dass die Kuppelabdeckung korrekt mit dem unteren Teil verbunden ist, wie in der Abbildung angezeigt. Wenn der Schnapphaken nicht korrekt eingerastet ist, könnte die Kuppelabdeckung herunterfallen. Dies könnte zu einer Verletzung führen.



INSTALLATION (LNO-6010R/6020R/6030R/6070R)

- ! ■ 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.

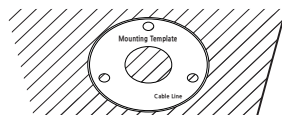
Bevor Sie mit der Installation beginnen

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

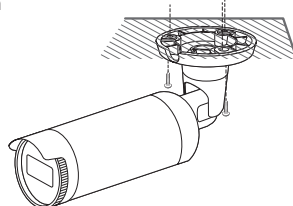
- Sie muss an einer Stelle (Decke oder Wand) installiert werden, die fünf (5) Mal das Gewicht der Kamera zusammen mit der Halterung tragen kann.
- Verklemmte Kabel oder ein abgelöster Kabelschutz können zu Schäden an dem Produkt und Brandgefahr führen.
- Halten Sie aus Sicherheitsgründen andere Personen von dem Ort der Kamerainstallation fern. Achten Sie darauf, dass sich in der Nähe der Kamerainstallation keine Gegenstände des Personals befinden.
- Für die manuelle, variable Fokus-Objektiv-Kamera müssen Funktionen, wie z.B. Fokus und Zoom, vor der Installation angepasst werden. Bei Anpassung dieser stellen Sie sicher, dass sich keine fremdartigen Materialien anhaften.

Installation

1. Setzen Sie die Installationsschablone an den gewünschten Standort und Bohrlöcher bei Einhaltung der Vorlage.

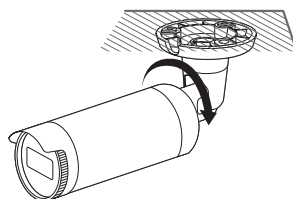


2. Die mitgelieferten Schneidschrauben verwenden, um die Kamera in den durch die Schablone gebohrten Löcher zu befestigen.
3. Die entsprechenden Kabel mit den Kameraanschlüssen verbinden.



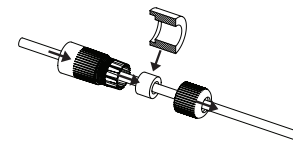
4. Passen Sie die Ausrichtung der Kamera mit einem Kreuzschlitzschraubendreher an.

- ! ■ Wird die Kameraposition mit einem Halter eingestellt, bitte die Schraube vom Halter lockern, die Kamera einstellen und Schraube wieder anziehen. Sollten Sie versuchen, während die Schraube fest angezogen ist, die Einstellung mittels Kraftaufwand vorzunehmen, kann es Kratzer oder andere Probleme geben.

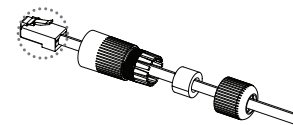


So verbinden Sie das wasserdichte RJ45-Kabel mit einem LAN-Kabel

1. Schieben Sie es in Pfeilrichtung durch.

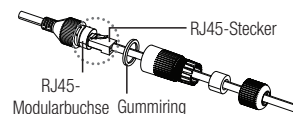


2. Verbinden Sie den LAN-Stecker mit dem Kabel.

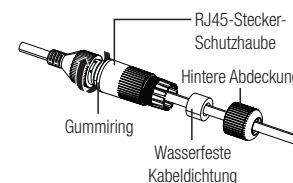


3. Verbinden Sie die RJ45-Modularbuchse mit dem RJ45-Stecker.

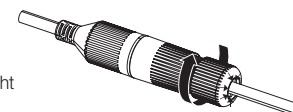
- ! ■ Halten Sie bitte jeden Teil getrennt von einander.



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



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



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

Einbau im Außenbereich

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

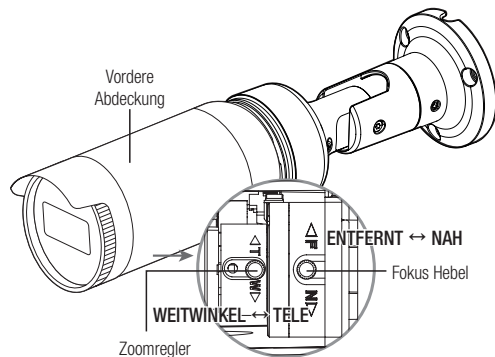
1. Verbinden Sie das PoE-Kabel.
2. Die schwarze Kabelummantelung (Bereich A) und den Kabelanschlussbereich mit dem wasserundurchlässigen (Butylisoler-) Band so umwickeln, dass mehr als die Hälfte des Butylisolerbandes überlappt wird.



- ! ■ Sollte die Kabelummantelung nicht richtig wasserundurchlässig sein, kann das zu einer unmittelbaren Undichtigkeit führen. Stellen Sie sicher, dass das Kabel dicht mit einem Klebeband geschützt ist.
- Das wasserdichte Butylklebeband besteht aus Butylkautschuk und kann auf das Doppelte seiner normalen Länge ausgedehnt werden.

Für die einstellung des zoomfaktors oder der bildschärfe (LNO-6070R)

1. Die vordere Abdeckung wie dargestellt abnehmen.
2. Den Zoom/Fokus Hebel vorsichtig lösen.
3. Den Zoom/Fokus Hebel auf WEITWINKEL (NAH) oder entsprechend TELE (ENTFERNT) einstellen.
4. Anschließend den Zoom/Fokus Hebel festziehen, um die eingestellte Position fest einzustellen.
5. Durch Drehen die vordere Abdeckung befestigen.

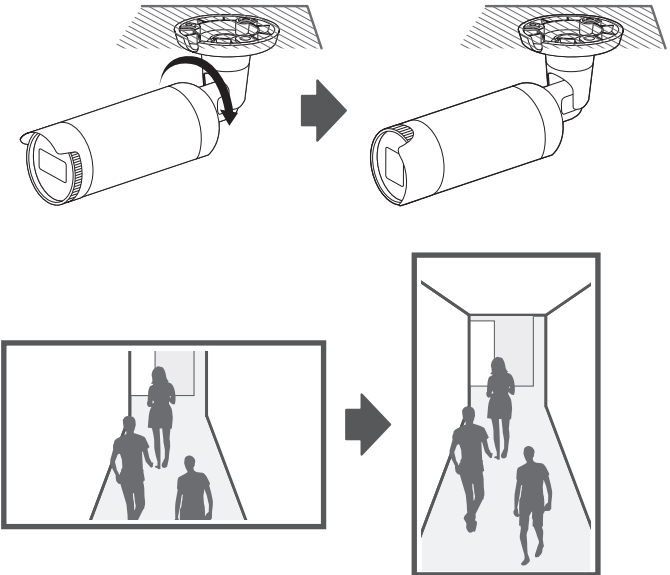


- ! ■ Um die Wasserdichtigkeit zu gewährleisten, die vordere Abdeckung bis zum Anschlag drehen. Wenn die Frontklappe zusammengefügt wird, bitte den Hauptkörper und die Frontklappe zusammensetzen, damit der Sperrindikator verriegelt ist.
- Mit Hilfe des Hebels den Zoomfaktor oder die Bildschärfe einstellen und den Hebel im Uhrzeigersinn drehen, um ihn zu fixieren.
- Bevor der Zoomfaktor oder die Bildschärfe des Objektivs eingestellt werden kann, die vordere Abdeckung lösen und entfernen.

Flur-Ansicht

Die Kamera lässt sich drehen, um den vertikalen Überwachungsbereich auf ein Bildseitenverhältnis von 9:16 zu vergrößern, was für enge Korridore und Gänge geeignet ist.

- ! ■ Sowohl das Kameragehäuse und die vordere Abdeckung drehen.



INSTALLATION (LNV-6010R/6020R/6030R/6070R)

- ! 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.

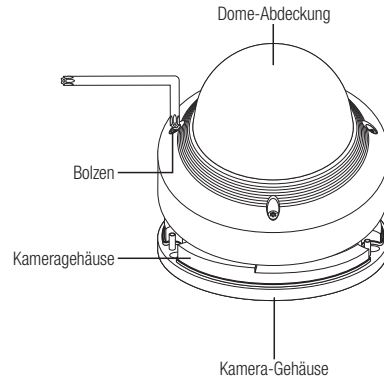
Bevor Sie mit der Installation beginnen

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

- 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.
- Für die manuelle, variable Fokus-Objektiv-Kamera müssen Funktionen, wie z.B. Fokus und Zoom, vor der Installation angepasst werden. Bei Anpassung dieser stellen Sie sicher, dass sich keine fremdartigen Materialien anhaften.

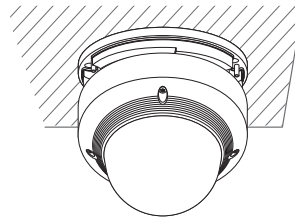
Demontage

1. Den Domdeckel durch Lösen der Befestigungsschrauben entfernen, indem diese mit dem sternförmigen Schraubendreher im Uhrzeigersinn gedreht werden.



Installation

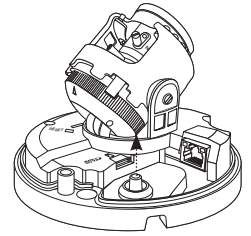
1. Setzen Sie die Installationsschablone an den gewünschten Standort und Bohrlöcher bei Einhaltung der Vorlage.
2. Die mitgelieferten Schneidschrauben verwenden, um die Kamera in den durch die Schablone gebohrten Löcher zu befestigen.
3. Verbinden Sie und ordnen Sie die benötigten Kabel sorgfältig, andernfalls werden sie während der Installation beschädigt oder verdreht.
4. Stellen Sie das Objektiv in eine gewünschte Richtung ein, indem Sie den Abschnitt „Überwachungsrichtung der Kamera einstellen“ nachsehen. (Seite 20)
5. Die Dome-Abdeckung schließen.
 - Ziehen Sie die Befestigungsschrauben mit dem sternförmigen Schraubenschlüssel fest, um einen Wasseraustritt zu vermeiden.



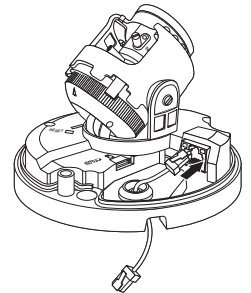
Anschließen des LAN-Kabels

1. Die Dome-Abdeckung und den Behälter entfernen.
2. Das lange herausragende Teil des Gummistopfen am Boden herausziehen und, wie in der Abbildung dargestellt, entfernen.

- ! Eine geeignete Kabeltülle zum Verbinden des LAN-Kabels verwenden.
- Basiskamera : Das Kabel mit dem Durchmesser 5-6,5 verwenden
 - Bereitgestellte Komponenten: Das Kabel mit dem Durchmesser 7-8,5 verwenden



3. Führen Sie das LAN-Kabel durch das Loch ein, welches beim Entfernen des vorstehenden Teils in Schritt 2 entstanden ist.
4. Entfernen Sie den Mantel mit einem Kabelschneider und gleichen Sie die Kabel an.
5. Das LAN-Kabel mit einem LAN-Stecker verbinden und in das LAN-Werkzeug einstecken.
6. Nachdem das Kabel fertig ist, kann es mit dem Ethernet-Port verbunden werden.



Anbindung an den entbündelten Anschluss

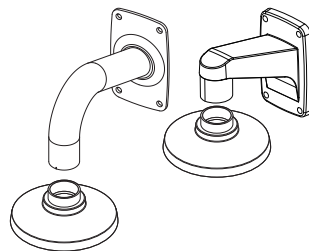
Wählen Sie eine der Optionen (entbündelt) aus und kaufen Sie was für den Ort der Installation oder Ihr Komfort notwendig ist.

1. Die Dome-Abdeckung vom Behälter entfernen, wir verweisen diesbezüglich auf den Abschnitt „Demontage“. (Seite 18)
2. Verwenden Sie die mitgelieferte Maschinenschraube, um die Kamera bei den entbündelten Adapter zu befestigen.
3. Verbinden Sie und ordnen Sie die benötigten Kabel sorgfältig, andernfalls werden sie während der Installation beschädigt oder verdreht.
4. Installieren Sie das Kameragehäuse in umgekehrter Reihenfolge der „Demontage“.
5. Stellen Sie das Objektiv in eine gewünschte Richtung ein, indem Sie den Abschnitt „Überwachungsrichtung der Kamera einstellen“ nachsehen. (Seite 20)
6. Die Dome-Abdeckung schließen.
 - Befestigen Sie die Befestigungsschrauben sicher mithilfe des Inbusschlüssels, damit kein Wasser eindringen kann.

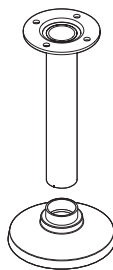
Optionales Zubehör für die Installation

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

1. WANDADAPTER (SBP-300WMW1) / HÄNGEADAPER (SBP-122HMMW : LND-6070R, LNV-6010R/6020R/6030R, SBP-301HMMW2 : LNV-6070R, SBP-300HMMW7 : LND-6010R/6020R/6030R)
Dabei handelt es sich um einen Adapter, der zur Montage der Kuppelkamera an einer Wand verwendet wird.

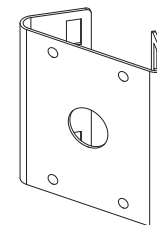


2. DECKENADAPTER (SBP-300CM) / HÄNGEADAPTER (SBP-122HMMW : LND-6070R, LNV-6010R/6020R/6030R, SBP-301HMMW2 : LNV-6070R, SBP-300HMMW7 : LND-6010R/6020R/6030R)
Dabei handelt es sich um einen Adapter, der zur Montage der Kuppelkamera an einer Betondecke verwendet wird.



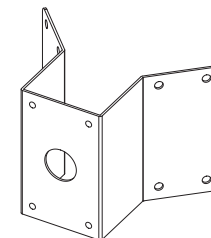
3. MASTADAPTER (SBP-300PM)

Dabei handelt es sich um einen WANDADAPTER (SBP-300WM oder SBP-300WM1), der zur Installation auf einem Masten mit einem Durchmesser von mehr als 80 mm geeignet ist.

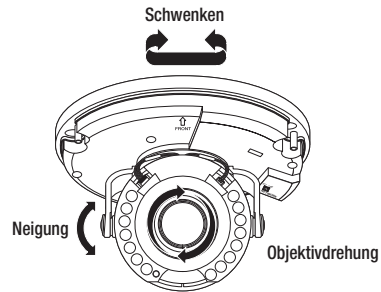


4. ECKADAPTER (SBP-300KM)

Dabei handelt es sich um einen WANDADAPTER (SBP-300WM oder SBP-300WM1), der zur Installation in einer Wandecke verwendet wird.



Überwachungsrichtung der Kamera einstellen (LND-6010R/6020R/6030R/6070R, LNV-6010R/6020R/6030R/6070R)



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 67° Grad.



- Das Bild kann, je nach Winkel, von der Kameratasche abgedeckt werden.
- Das Fokus-/Zoom-Objektiv nicht gewaltsam drehen, nachdem das Objektivgehäuse auseinandermontiert wurde. Ansonsten kann es aufgrund eines Motorfehlers zu einer unkorrekten Bildscharfeinstellung kommen.

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.

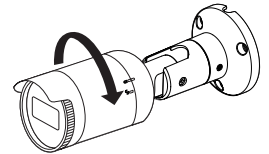
EINLEGEN/HERAUSNEHMEN EINER MICRO SD-SPEICHERKARTE



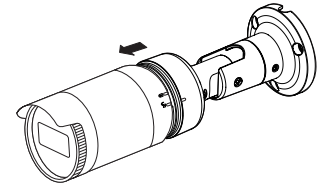
- Das Netzkabel von der Kamera abtrennen, bevor die Micro SD-Speicherkarte eingelegt wird.
- Die Micro SD-Speicherkarte nicht mit Gewalt einlegen. Prüfen, ob die Karte richtig herum eingelegt wird. Ansonsten kann die Micro SD-Speicherkarte beschädigt werden.
- Bei Regen oder hoher Luftfeuchtigkeit empfiehlt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

Einlegen einer Micro SD-Speicherkarte (LNO-6010R/6020R/6030R/6070R)

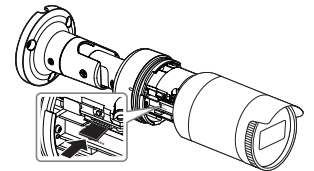
1. Drehen Sie das vordere Gehäuse in die Richtung LÖSEN [↺].



2. Vordere Abdeckung ziehen und abnehmen.

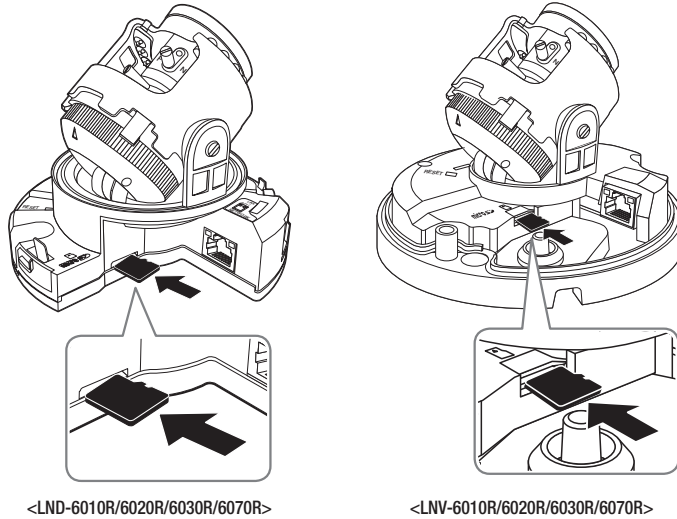


3. Eine Micro-SD-Karte in Pfeilrichtung einlegen, siehe Abbildung.



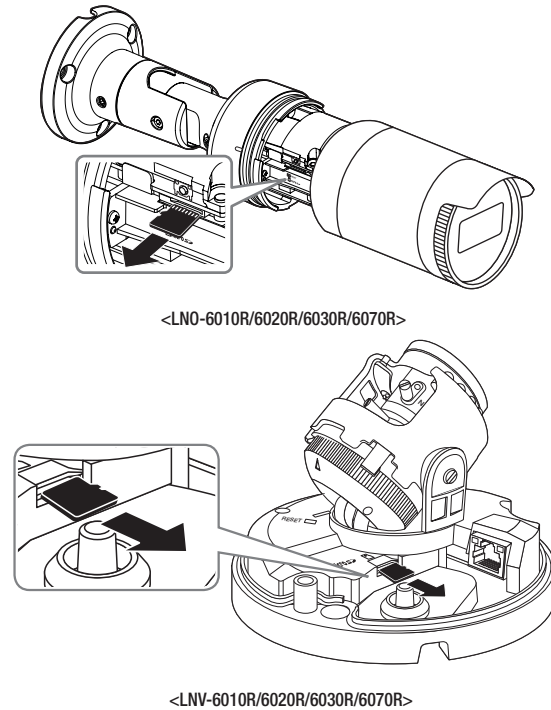
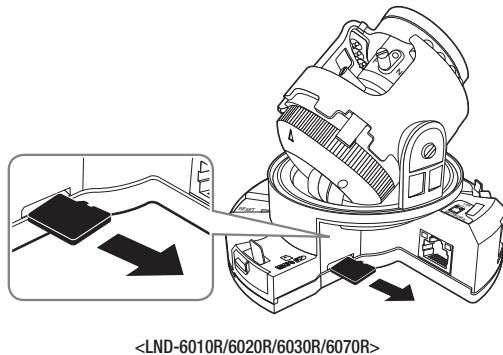
Einlegen einer Micro SD-Speicherkarte (LND-6010R/6020R/6030R/6070R, LNV-6010R/6020R/6030R/6070R)

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.

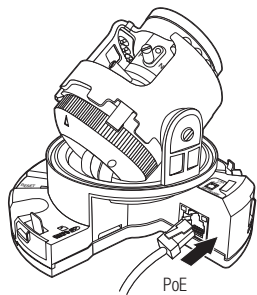


- Bitte beachten Sie, dass, falls Sie die Micro SD-Speicherkarte fest drücken und loslassen, sobald sie ausgeworfen wird, diese herausspringen kann.
- Bevor Sie die Micro SD-Speicherkarte im **<Speicherkapazität>** entfernen, müssen Sie das Gerät auf **<Aus>** stellen und die **[Anwenden]**-Taste drücken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

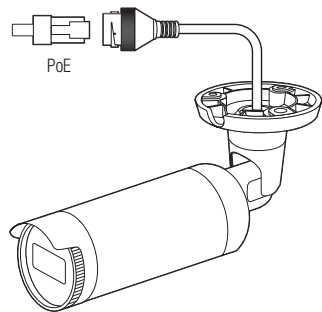
MIT STROM VERSEHEN UND VERNETZEN

Verbinden Sie Ihr PoE-Gerät mit der Kamera.

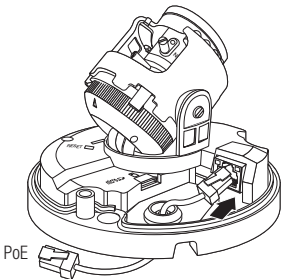
- Verbindung mit dem PoE-Anschluss (Power over Ethernet) eines PoE-aktivierten Routers.
- Verwenden Sie ein PoE (Power over Ethernet)-Gerät, das den IEEE802.3af Standard unterstützt.



<LND-6010R/6020R/6030R/6070R>



<LNO-6010R/6020R/6030R/6070R>



<LNV-6010R/6020R/6030R/6070R>

Netzwerkkabel-Spezifikation

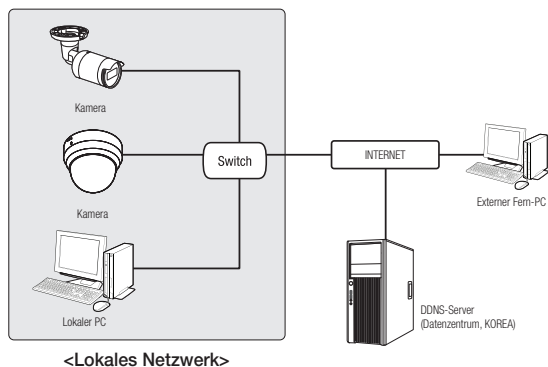
Artikel	Inhalte	Anmerkung
Stecker	RJ45	
Ethernet	10/100BASE-T	10/100 Mbps
Kabel	UTP Kategorie 5e	
Max. Entfernung	100M	Gleichstromwiderstand ≤ 0,188 Ω/m
PoE Support	IEEE 802.3af	

Sie können die Netzwerkeinstellungen gemäß Ihrer Netzwerkkonfigurationen einrichten.

DIREKTES VERBINDEN DER KAMERA AN DAS LAN

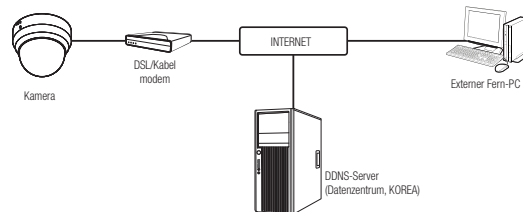
Anschluss an die Kamera von einem lokalen PC im LAN

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 25)

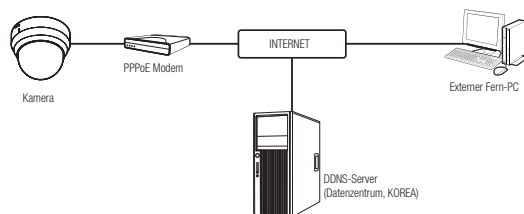
VERBINDEN DER KAMERA DIREKT MIT EINEM DHCP BASIERTEN DSL/ KABELMODEM



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.

DIE KAMERA DIREKT MIT EINEM PPPoE-MODEM VERBINDEN

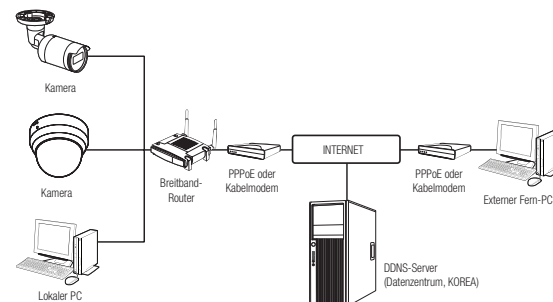


1. Den Benutzer-PC direkt mit der Netzwerkkamera verbinden.
2. Führen Sie den IP-Installer aus und ändern Sie die IP-Adresse der Kamera, damit Sie den Webbrowser Ihres Desktops mit dem Internet verbinden können.
3. Verwenden Sie den Webbrowser, um eine Verbindung mit dem Web Viewer herzustellen.
4. Gehen Sie weiter zur **[Setup]** Seite.
5. Gehen Sie weiter zum **[Netzwerk]** – **[DDNS]** und konfigurieren Sie die DDNS-Einstellungen.
6. Zu **[Basic]** – **[IP & Port]**-Setup-Seite navigieren und den IP-Typ auf **[PPPoE]** sowie die ID und das Passwort des Netzwerkdienstes eingeben.
7. Verbinden Sie die Kamera, die von Ihrem PC entfernt wurde, direkt mit dem Modem.
8. Starten Sie die Kamera erneut.

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

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

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



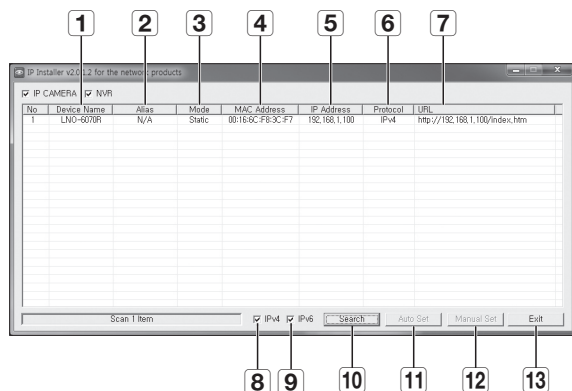
Konfigurieren der Netzwerkeinstellungen des an einen Breitband-Router

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

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

- Sehen Sie bezüglich der Adresse des Breitband-Routers in der Dokumentation des Gerätes nach.
- Für weitere Informationen über die Portweiterleitung des Breitband Routers, bitte unter **"Portbereichweiterleitung Konfigurieren (Port Mapping)"** nachschlagen. (Seite 27)

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> , <Dynamic> oder <PPPoE> 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.

- Bei der Installation des IP-Installers nur das auf der Installations-CD gelieferte Installationsprogramm oder, falls vorhanden, die neueste Version verwenden. Die neueste Softwareversion kann von der Hanwha Techwin Electronics-Website heruntergeladen werden.

EINSTELLUNG DER STATISCHEN IP

Manuelle Netzwerkeinstellung

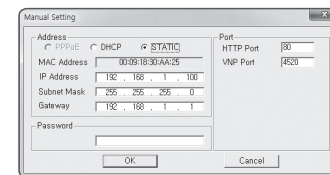
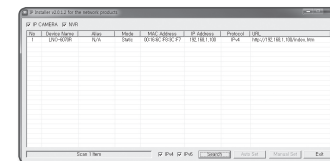
Führen Sie die Datei **<IP Installer_v2.XX.exe>** aus, um die Kamerasuchliste anzuzeigen. Anfangs werden sowohl **[Auto Set]** als auch **[Manual Set]** grau dargestellt.

- 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

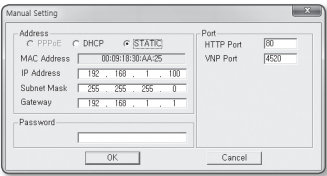
Kontaktieren Sie ihren Netzwerkadministrator für die Einstellung der <IP Address>, <Subnet Mask> und für das <Gateway>.

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.



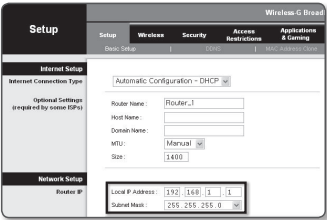
- Es wird empfohlen, dass Sie für Ihr Passwort aus Sicherheitsgründen eine Kombination aus Zahlen, alphabetischen Groß- und Kleinbuchstaben und Sonderzeichen verwenden.
- Informationen für das Ändern des Passworts finden Sie in der Online-Hilfe des WebViewer.

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 27)

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.

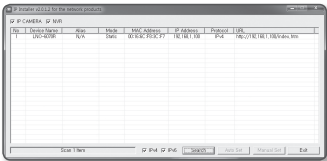
Die Schaltflächen [Auto Set] und [Manual Set] sind nun aktiviert.

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.

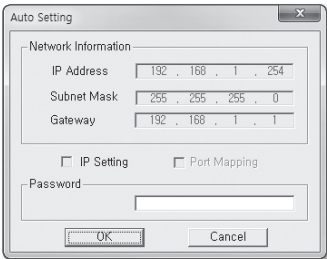
Geben Sie das Passwort des "admin" Kontos für den Zugriff auf die Kamera ein.



- 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.



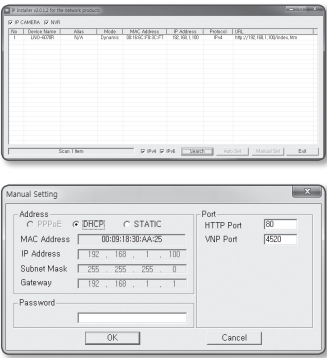
EINSTELLUNG DER DYNAMISCHEN IP

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

- Führen Sie den IP-Installer auf dem lokalen Computer des Benutzers aus.
Kameras mit **<Dynamic IP>** werden in der Liste angezeigt.
- Wählen Sie eine Kamera aus den Suchergebnissen aus.
- 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.

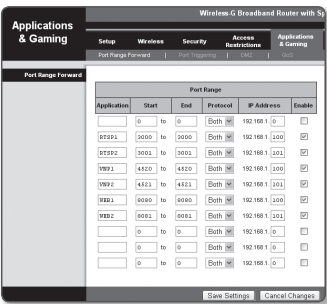


PORTBEREICHWEITERLEITUNG KONFIGURIEREN (PORT MAPPING)

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

- 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.
- 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.



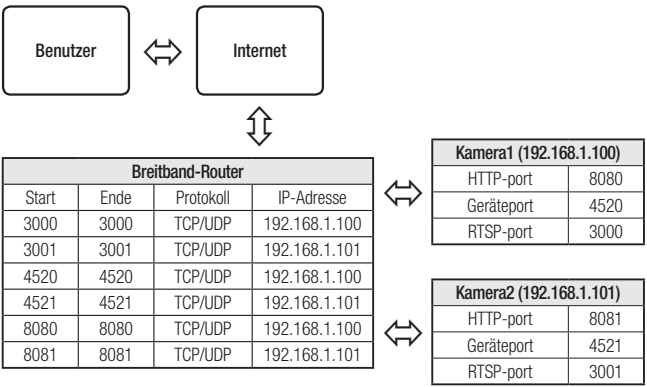
- Wenn Sie fertig sind, klicken Sie auf **[Save Settings]**.
Ihre Einstellungen werden gespeichert.

- 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.

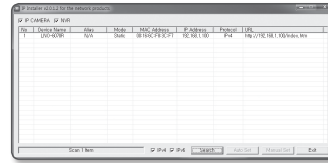
Wenn Kamera 1 und Kamera 2 an einen Router angeschlossen sind :



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

VON EINEM GEMEINSAMEN LOKALEN PC EINE VERBINDUNG ZU DER KAMERA HERSTELLEN

1. 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.

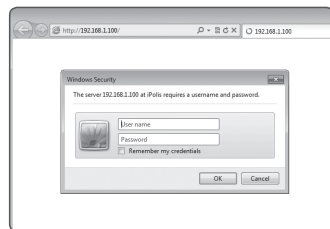
1. Bevor Sie auf eine Kamera im Breitband-Router-Netzwerk zugreifen können, sollten Sie die Portbereichweiterleitung für den Breitband-Router eingestellt haben.
2. Starten Sie den Internetbrowser auf dem entfernten Computer und geben Sie die DDNS-URL der Kamera oder die IP-Adresse des Breitband-Routers 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, DSL-Modem oder PPPoE-Modem verbunden ist, wird die IP-Adresse Ihres Netzwerks jedes Mal geändert, wenn Sie versuchen eine Verbindung mit dem ISP (Internetserviceanbieter) -Server aufzunehmen.

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

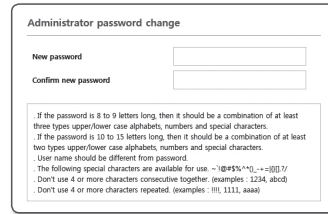
Sobald Sie ein auf dynamischer IP basierendes Gerät beim DDNS-Server registrieren, können Sie die geänderte IP-Adresse einfach überprüfen, wenn Sie versuchen auf das Gerät zuzugreifen.

Um das Gerät auf dem <DDNS> Server zu registrieren, besuchen Sie bitte <http://ddns.hanwha-security.com>, registrieren Sie zuerst Ihr Gerät stellen Sie anschließend im Net Viewer unter <Netzwerk> - <DDNS> auf <Wisenet DynDNS> 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.



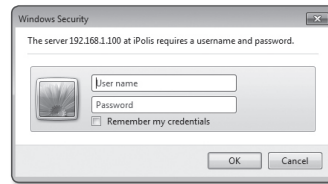
ANMELDEN

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



PLUG-IN-SPEZIFIKATIONEN FÜR JEDEN BROWSER

Der Webviewer verfügt über einen integrierten Plugin-Webviewer und einen neuen Plugin-freien Webviewer. Das heißt, der Webviewer kann auch in modernen Browser-Umgebungen verwendet werden, die keine Plugins unterstützen, wie z. B. Chrome, EDGE und Firefox (nur Windows 64bit). Es empfiehlt sich, das Plugin im IE-Browser zu installieren, das eine Plugin-Installation erlaubt.

Es wird folgende Unterschiede je nach Ihrer Browser-Umgebung geben:

- **Chrome, Firefox (nur Windows 64bit), EDGE, Safari-Browser** : Obwohl diese beiden Browser keine Plugins unterstützen, können Sie einen Web-Viewer nutzen, da ein kostenloser Plug-in-Web-Viewer integriert ist.
 - Da der Plug-in-freie Webviewer eine geringere Leistung als der Plug-in-Webviewer hat, besteht ein Limit bei der Überwachung von Profilen mit hoher Qualität und der Wiedergabe gespeicherter Videos. Um Profile mit hoher Qualität zu überwachen und gespeicherte Videos wiederzugeben, verwenden Sie bitte einen Plug-in-Webviewer oder einen SmartViewer.
 - Bei einer Verzögerung des Live-Videos wird automatisch ein Plugin-freies Profil erzeugt.
 - Wiedergabe kann Verzögerungen verursachen, je nach Codec und Auflösung.
 - Die Plug-In-Funktion wurde für den Chrome-Browser optimiert.
- **IE-Browser** : Sie können einen Web-Viewer auch nutzen, wenn Sie den vorhandenen Plug-in-Web-Viewer nicht installieren.
 - Zur nahtlosen Überwachung/zum nahtlosen Abspielen des Videos müssen Sie ein Plug-in installieren.

INSTALLATION DES WebViewer PLUG-INS

Wenn Sie versuchen, vom IE-Browser auf den Plugin-freien Webviewer zuzugreifen und eine Live-Ansicht mit einem anderen Codec anfordern als dem, der derzeit verwendet wird, oder wenn Sie die Nutzung der aufgezeichneten Video-Wiedergabefunktion anfordern, erscheint eine Installationsmeldung. Zu diesem Zeitpunkt müssen Sie das Plugin des Webviewers installieren, um die Funktion normal zu nutzen.

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



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

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

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



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

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

[Yes] anklicken, wenn das Hinweisfenster angezeigt wird.

5. **[OK]** anklicken.

Die alte Version des Web Viewer-Plugins ist gelöscht.

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

7. **[Finish]** anklicken.

Die Web Viewer-Plugin-Installation ist abgeschlossen.

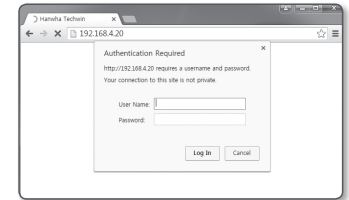


- Wenn Sie nach der Installation des Webviewer-Plug-Ins bei Ihrem Internet-Explorer zu dem Installationsbildschirm gehen, prüfen Sie, ob `webviewer_activexplugin_lib.control` in dem Menü "Werkzeug → Zusätzliches Funktionsmanagement" "Activated" ist.
Falls nicht, und wenn es ein bleibendes Problem gibt,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

EINEN KOSTENLOSEN PLUG-IN-WEBVIEWER VERWENDEN

Wenn Sie die Verbindung zu einer Kamera von Google Chrome, Mozilla Firefox, MS Edge oder dem Safari-Webbrowser herstellen, können Sie kein separates Plugin installieren, Sie können aber ohne irgendein Plugin die Kameravideos in Echtzeit ansehen und steuern.

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



Um die Kamera einzustellen

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

SPEZIFIKATIONEN

Elemente		Beschreibung		
		LND-6010R/6020R/6030R	LNO-6010R/6020R/6030R	LNV-6010R/6020R/6030R
Video	Bildaufnahmegerät	1/2.9" 2.19M CMOS		
	Gesamtpixelanzahl	2,000(H) x 1,121(V)		
	Effektive Pixel	1,984(H) x 1,105(V)		
	Abtastsystem	Progressiv		
	Mindestbeleuchtung	Farbe: 0,18 Lux (1/30 Sek., F2,0), 0,003 Lux (2 Sek., F2,0) S/W : 0 Lux (IR LED an)		
Objektiv	Brennweite (Zoomrate)	LND-6010R/LNO-6010R/LNV-6010R : 3mm LND-6020R/LNO-6020R/LNV-6020R : 4mm LND-6030R/LNO-6030R/LNV-6030R : 6mm		
	Max. Blendenverhältnis	F 2.0		
	Sichtwinkelfeld	LND-6010R/LNO-6010R/LNV-6010R : H : 102° / V : 54° / V : 120° LND-6020R/LNO-6020R/LNV-6020R : H : 80° / V : 43° / V : 94° LND-6030R/LNO-6030R/LNV-6030R : H : 51° / V : 29° / V : 58°		
	Mindestentfernung zum Objekt	0,5m(1,64ft)		
	Objektivart	Fest		
	Montagetyp	Boardtyp		
	Schwenken / Neigen / Drehen	Schwenkbereich	0~350°	-
Neigebereich		0~67°	-	0~67°
Drehbereich		0~355°	-	0~355°
Funktionsweise	Sichtweite	20m	30m	
	Kameratitel	Aus / Ein (Bis zu 15 Zeichen werden angezeigt)		
	Tag und Nacht	Auto (ICR) / Farbe / S/W / Zeitplan		
	Gegenlichtkompensation	Aus / BLC / WDR		

Elemente	Beschreibung		
	LND-6010R/6020R/6030R	LNO-6010R/6020R/6030R	LNV-6010R/6020R/6030R
Funktionsweise	BREIT-Dynamischer Bereich	120dB	
	Kontrastverstärker	SSDR (Aus / Ein)	
	Digitale Rauschunterdrückung	SSNR (Aus / Ein)	
	Bewegungserkennung	Aus / Ein (4 Polygonfelder)	
	Privatsphärenausblendung	Aus / Ein (6 rechteckige Felder)	
	Verstärkungssteuerung	Aus / Gering / Mittel / Hoch	
	Weißabgleich	ATW / AWC / Manuell / Innenbereich / Außenbereich	
	LDC (Linsenverzerrung)	Ein/aus (5 Stufen mit Min/Max)	
	Elektronischer Blendenverschluss	Minimum / Maximum / Anti-Flimmern	
	Drehen/Spiegeln	Drehen/Spiegeln/Hausfluransicht	
	Intelligente Video-Analyse	Bewegungserkennung, Manipulation	
	Alarm Auslöser	Bewegungserkennung, Manipulation erkennen, SD-Kartenfehler	
	Alarmereignisse	<ul style="list-style-type: none"> • Datei Hochladen über FTP, E-Mail • Benachrichtigung über E-Mail • Lokaler Speicher zeichnet bei Ereignis auf 	
Netzwerk	Ethernet	RJ-45 (10/100BASE-T)	
	Videokomprimierungsformat	H.264, MJPEG	
	Auflösung	1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768 / 800x600 / 800x448 / 720x576 / 720x480 / 640x480 / 640x360 / 320x240	
	Max. Framerate	H.265/H.264 - Max.30Fps bei allen Auflösungen MJPEG - Max.1Fps bei 1920x1080/1280x1024/1280x720/1024x768, Max.15Fps bei anderen Auflösungen	
	WiseStream II	Support	
	Video Qualität Anpassung	H.264/MJPEG : Zielbitrate Pegelsteuerung	

Elemente	Beschreibung		
	LND-6010R/6020R/6030R	LNO-6010R/6020R/6030R	LNV-6010R/6020R/6030R
Netzwerk	Bitrate Steuerungsmethode	H.264 : CBR oder VBR MJPEG : VBR	
	Streaming Kapazität	Mehrfach Streaming (Bis zu 3 Profile)	
	Audio I/O	-	
	Audiokomprimierungsformat	-	
	Audiokommunikation	-	
	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	6 Benutzer im Unicast-Modus	
	Randspeicher	Micro SD/SDHC (bis zu 32G) - Bewegungsbilder, die mit einer SD-Speicherkarte aufgenommen werden, können heruntergeladen werden. Lokaler PC für Sofortaufnahme	
	Anwendungsprogrammierschnittstelle	ONVIF Profile S/G SUNAPI(HTTP API)	
	Sprache der Webseite	Englisch, Französisch, Deutsch, Spanisch, Italienisch, Chinesisch, Koreanisch, Russisch, Japanisch, Schwedisch, Portugiesisch, Tschechisch, Polnisch, Türkisch, Niederländisch, Ungarisch, Griechisch	

Elemente	Beschreibung		
	LND-6010R/6020R/6030R	LNO-6010R/6020R/6030R	LNV-6010R/6020R/6030R
Netzwerk	Web Viewer	Unterstützte Betriebssystem : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 Plug-in freier Web-Viewer Unterstützte Webbrowser: Google Chrome 63, MS Edge 41, Mozilla Firefox 57 (Nur Windows 64bit), Apple Safari 11 (Nur Mac OS X) Plug-in-Web-Viewer Unterstützte Webbrowser: MS Explorer 11	
	Software zur zentralen Verwaltung	SmartViewer, SSM	
Betriebsbedingungen	Betriebstemperatur / Feuchtigkeit	-10°C ~ +55°C (14°F ~ +131°F) / Weniger als 90% rel.Luftfeuchtigkeit	-30°C ~ +55°C (-22°F ~ +131°F) / Weniger als 90% rel.Luftfeuchtigkeit * Es sollte bei -20°C oder höher eingeschaltet werden.
	Lagerungstemperatur / Feuchtigkeit	-30°C ~ +60°C (-22°F ~ +140°F) / Weniger als 90% rel.Luftfeuchtigkeit	
	Schutz vor Eindringling	-	IP66
	Vandalismusschutz	-	IK10
Elektrisch	Eingangsspannung/Strom	PoE(IEEE802.3af)	
	Energieverbrauch	6.5W	
Mechanisch	Farbe / Materiell	Weiß(RAL-9003) / Kunststoff	Dunkelgrau / Kunststoff Weiß(RAL-9003) / Aluminium, Kunststoff
	Abmessungen (ØxH)	Ø110,0mm(4,33") x H86,0(3,39")mm	Ø58,6mm(2,31") x H182,0(7,17")mm Ø120,3mm(4,74") x H91,7(3,61")mm
	Gewicht	230g(0,51lb)	240g(0,53lb) 395g(0,87lb)

Elemente		Beschreibung		
		LND-6070R	LNO-6070R	LNV-6070R
Video	Bildaufnahmegerät	1/2.9" 2.19M CMOS		
	Gesamtpixelanzahl	2,000(H) x 1,121(V)		
	Effektive Pixel	1,984(H) x 1,105(V)		
	Abtastsystem	Progressiv		
	Mindestbeleuchtung	Farbe: 0,095 Lux (1/30 Sek., F1,6), 0,003 Lux (2 Sek., F1,6) S/W : 0 Lux (IR LED an)		
Objektiv	Brennweite (Zoomrate)	3.2~10mm (3,1x) mit variabler Brennweite		
	Max. Blendenverhältnis	F1.6~2.9		
	Sichtwinkelfeld	H : 101,6°(Weit) ~ 31,3°(Tele) V : 54,1°(Weit) ~ 17,8°(Tele) V : 120,6°(Weit) ~ 36,0°(Tele)		
	Mindestentfernung zum Objekt	0,5m(1,64ft)		
	Fokussteuerung	Manuell		
	Objektivart	DC-Auto-Irisblende		
	Montagetyp	Boardtyp		
Schwenken / Neigen / Drehen	Schwenkbereich	0~350°	-	0~350°
	Neigebereich	0~67°	-	0~67°
	Drehbereich	0~355°	-	0~355°
Funktionsweise	Sichtweite	20m	30m	
	Kameratitel	Aus / Ein (Bis zu 15 Zeichen werden angezeigt)		
	Tag und Nacht	Auto (ICR) / Farbe / S/W / Zeitplan		
	Gegenlichtkompensation	Aus / BLC / WDR		

Elemente		Beschreibung		
		LND-6070R	LNO-6070R	LNV-6070R
Funktionsweise	BREIT-Dynamischer Bereich	120dB		
	Kontrastverstärker	SSDR (Aus / Ein)		
	Digitale Rauschunterdrückung	SSNR (Aus / Ein)		
	Bewegungserkennung	Aus / Ein (4 Polygonfelder)		
	Privatsphärenausblendung	Aus / Ein (6 rechteckige Felder)		
	Verstärkungssteuerung	Aus / Gering / Mittel / Hoch		
	Weißabgleich	ATW / AWC / Manuell / Innenbereich / Außenbereich		
	LDC (Linsenverzerrung)	Ein/aus (5 Stufen mit Min/Max)		
	Elektronischer Blendenverschluss	Minimum / Maximum / Anti-Flimmern		
	Drehen/Spiegeln	Drehen/Spiegeln/Hausfluransicht		
	Intelligente Video-Analyse	Bewegungserkennung, Manipulation		
	Alarm Auslöser	Bewegungserkennung, Manipulation erkennen, SD-Kartenfehler		
	Alarmereignisse	<ul style="list-style-type: none"> • Datei Hochladen über FTP, E-Mail • Benachrichtigung über E-Mail • Lokaler Speicher zeichnet bei Ereignis auf 		
Netzwerk	Ethernet	RJ-45 (10/100BASE-T)		
	Videokomprimierungsformat	H.264, MJPEG		
	Auflösung	1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768 / 800x600 / 800x448 / 720x576 / 720x480 / 640x480 / 640x360 / 320x240		
	Max. Framerate	H.265/H.264 - Max.30Fps bei allen Auflösungen MJPEG - Max.1Fps bei 1920x1080/1280x1024/1280x720/1024x768, Max.15Fps bei anderen Auflösungen		
	WiseStream II	Support		
	Video Qualität Anpassung	H.264/MJPEG : Zielbitrate Pegelsteuerung		

Elemente		Beschreibung		
		LND-6070R	LNO-6070R	LNV-6070R
Netzwerk	Bitrate Steuerungsmethode	H.264 : CBR oder VBR MJPEG : VBR		
	Streaming Kapazität	Mehrfach Streaming (Bis zu 3 Profile)		
	Audio I/O	-		
	Audiokomprimierungsformat	-		
	Audiokommunikation	-		
	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	6 Benutzer im Unicast-Modus		
	Randspeicher	Micro SD/SDHC (bis zu 32G) - Bewegungsbilder, die mit einer SD-Speicherkarte aufgenommen werden, können heruntergeladen werden. Lokaler PC für Sofortaufnahme		
	Anwendungsprogrammierschnittstelle	ONVIF Profile S/G SUNAPI(HTTP API)		
	Sprache der Webseite	Englisch, Französisch, Deutsch, Spanisch, Italienisch, Chinesisch, Koreanisch, Russisch, Japanisch, Schwedisch, Portugiesisch, Tschechisch, Polnisch, Türkisch, Niederländisch, Ungarisch, Griechisch		

Elemente		Beschreibung		
		LND-6070R	LNO-6070R	LNV-6070R
Netzwerk	Web Viewer	Unterstützte Betriebssystem : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 Plug-in freier Web-Viewer Unterstützte Webbrowser: Google Chrome 63, MS Edge 41, Mozilla Firefox 57 (Nur Windows 64bit), Apple Safari 11 (Nur Mac OS X) Plug-in-Web-Viewer Unterstützte Webbrowser: MS Explorer 11		
	Software zur zentralen Verwaltung	SmartViewer, SSM		
Betriebsbedingungen	Betriebstemperatur / Feuchtigkeit	-10°C ~ +55°C (14°F ~ +131°F) / Weniger als 90% rel.Luftfeuchtigkeit	-30°C ~ +55°C (-22°F ~ +131°F) / Weniger als 90% rel.Luftfeuchtigkeit * Es sollte bei -20°C oder höher eingeschaltet werden.	
	Lagerungstemperatur / Feuchtigkeit	-30°C ~ +60°C (-22°F ~ +140°F) / Weniger als 90% rel.Luftfeuchtigkeit		
	Schutz vor Eindringling	-	IP66	
	Vandalismusschutz	-	IK10	
Elektrisch	Eingangsspannung/Strom	PoE(IEEE802.3af		
	Energieverbrauch	6.5W		
Mechanisch	Farbe / Materiell	Weiß(RAL-9003) / Kunststoff	Dunkelgrau / Kunststoff	Weiß(RAL-9003) / Aluminium, Kunststoff
	Abmessungen (ØxH)	Ø119,8mm(4,72") x H98,8(3,89")mm	Ø78,0mm(3,07") x H262,0(10,32")mm	Ø137,8mm(5,43") x H106,1(4,18")mm
	Gewicht	274g(0,6lb)	380g(0,84lb)	515g(1,16lb)

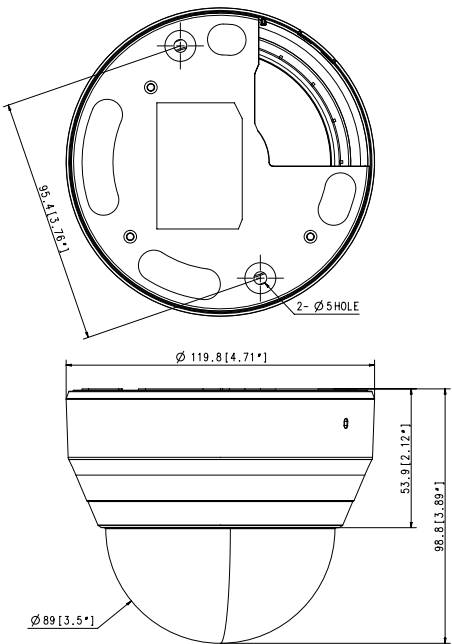
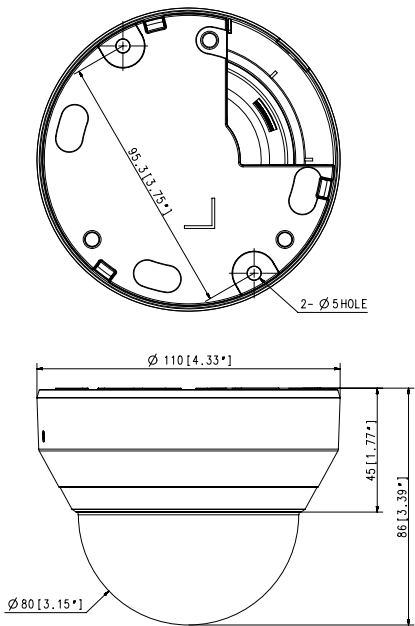
PRODUKTANSICHT

LND-6070R

Einheit: mm (inch)

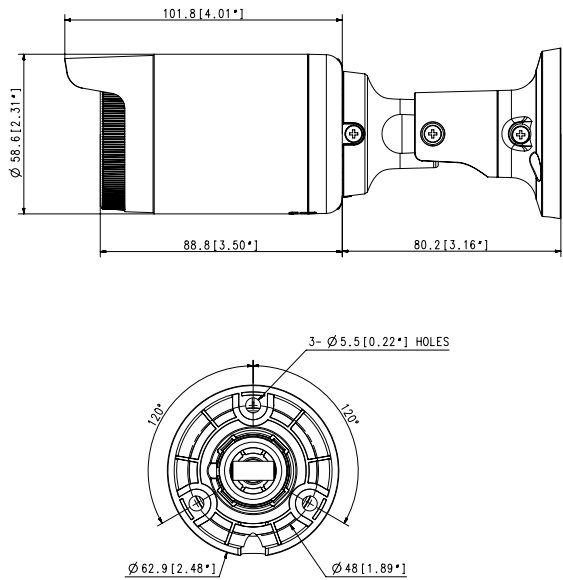
LND-6010R/6020R/6030R

Einheit: mm (inch)



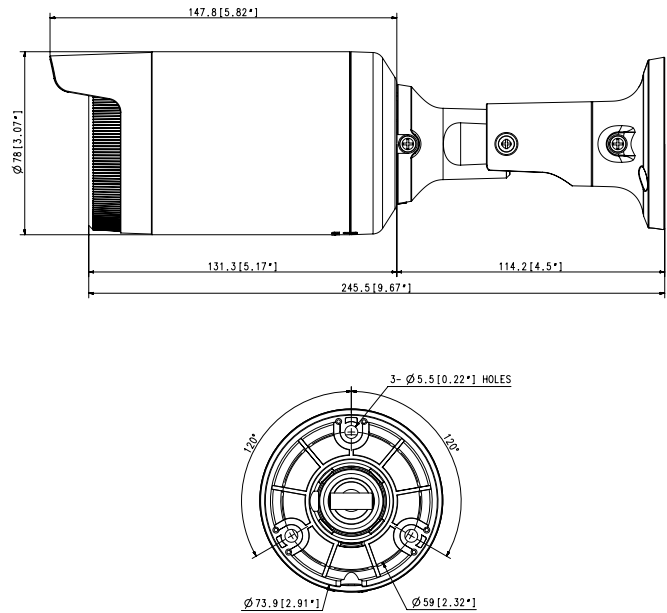
LNO-6010R/6020R/6030R

Einheit: mm (inch)



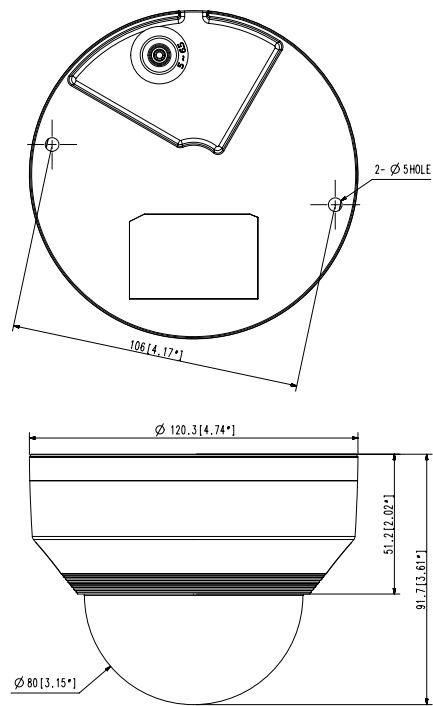
LNO-6070R

Einheit: mm (inch)



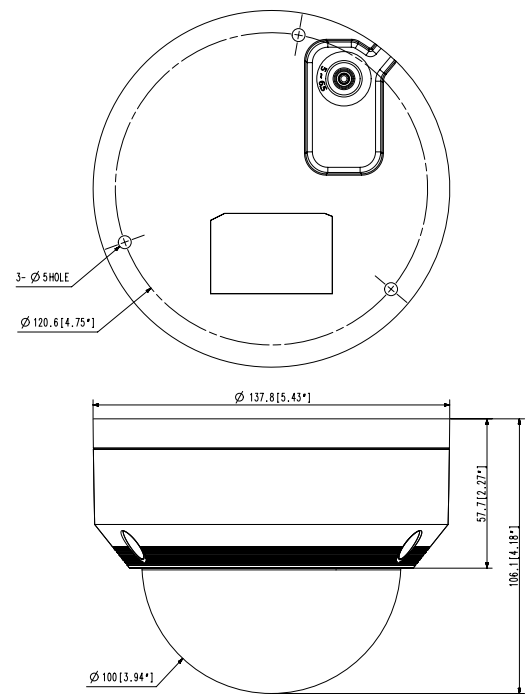
LVN-6010R/6020R/6030R

Einheit: mm (inch)



LVN-6070R

Einheit: mm (inch)



FEHLERSUCHE

PROBLEM	LÖSUNG
Wenn Sie unter Safari per HTML auf den Plug-in-freien Webviewer zugreifen, wird kein Video angezeigt.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Überprüfen Sie, ob die Netzwerkeinstellungen der Kamera entsprechend sind. Kontrollieren Sie, ob alle Netzwerkkabel korrekt angeschlossen wurden. Prüfen Sie bei einer Verbindung über DHCP, ob die Kamera dynamische IP-Adressen problemlos erhalten kann. Prüfen Sie, wenn die Kamera mit einem Breitband-Router verbunden ist, ob die Portweiterleitung korrekt konfiguriert ist.
Der Viewer wurde während der Überwachung getrennt.	<ul style="list-style-type: none"> Verbundene Viewer werden nach etwaigen Änderungen an der Kamera oder den Netzwerkkonfigurationen getrennt. Prüfen Sie alle Netzwerkverbindungen. Wenn die Kamera über ein PPPoE-Netzwerk verbunden ist, kann der Viewer bei schlechten Netzwerkbedingungen getrennt werden.
Es wird kein Video angezeigt, wenn ich auf den Webviewer neu zugreife oder zum Client streamen.	<ul style="list-style-type: none"> Die maximal verfügbare Profilanzahl ist 3. Die Verbindung kann unterbrochen werden, wenn Sie 4 oder mehr Profile nutzen. Beispiel) Wird auf MJPEG, H.264 und H.264 (Profile mit verschiedenen Einstellungen) zugegriffen und der Zugriff erfolgt dann mit einem anderen Profil, wird die Verbindung getrennt.
Die an das Netzwerk verbundene Kamera wird im IP-Installationsprogramm nicht erkannt.	<ul style="list-style-type: none"> Schalten Sie die Firewall-Einstellungen an Ihrem PC aus und suchen Sie dann die Kamera erneut.
Die Bilder überlappen.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> 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
Datei wird nicht an E-Mail übermittelt, selbst wenn ein Ereignis mit <Bewegungserkennung> erzeugt wird, wenn auf <Aktiviert> in der Seite <Ereignis>.	<ul style="list-style-type: none"> Überprüfen Sie die Einstellungen in der folgenden Reihenfolge: <ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Auf die SD-Speicherkarte kann nicht aufgenommen werden.
Die Micro SD Speicherkarte ist eingelegt, aber die Kamera funktioniert nicht richtig.	<ul style="list-style-type: none"> 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>.

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Component Name	License	URL
Base Kernel	GPL 2.0	
Busybox	GPL 2.0	http://www.busybox.net/downloads/snapshots
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtdd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdd-utils
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
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 1.1

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Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

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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(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.

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Korrekte Entsorgung der Batterien dieses Produkts

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

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

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

Head Office

6, Pangyo-ro 319 beon-gil, Bundang-gu, Seongnam-si,
Gyeonggi-do, 463-400 Rep. of KOREA
Tel : +82.70.7147.8753 Fax : +82.31.8018.3740
www.hanwha-security.com

Hanwha Techwin America

500 Frank W. Burr Blvd. Suite 43 Teaneck, NJ 07666
Toll Free +1.877.213.1222 Direct +1.201.325.6920
Fax +1.201.373.0124
www.hanwha-security.com

Hanwha Techwin Europe

Heriot House, Heriot Road, Chertsey, Surrey, KT16 9DT, United Kingdom
Tel +44.1932.57.8100 Fax +44.1932.57.8101
www.hanwha-security.eu
