

WISeNeT

NETZWERKKAMERA

Benutzerhandbuch

TNB-9000



Netzwerkamera

Benutzerhandbuch

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Handelsmarke

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

WICHTIGE SICHERHEITSHINWEISE

1. Lesen Sie diese Anweisungen.
2. Bewahren Sie sie auf.
3. Beachten Sie alle Warnungen.
4. Befolgen Sie alle Anweisungen.
5. Verwenden Sie dieses Gerät nicht in der Nähe von Wasser.
6. Die verunreinigte Stelle auf der Produktoberfläche mit einem weichen, trockenen oder feuchten Tuch reinigen. (Keine Reinigungs- oder kosmetischen Mittel verwenden, die Alkohol, Lösungsmittel oder Ölbestandteile enthalten, da diese das Produkt deformieren oder schädigen können.)
7. Blockieren Sie keine Belüftungsöffnungen. Installieren Sie es gemäß den Herstelleranweisungen.
8. Installieren Sie das Gerät nicht in der Nähe von Wärmequellen wie beispielsweise von Radiatoren, Heizkörpern oder anderen Geräten (einschließlich Verstärkern), die Wärme erzeugen.
9. Bitte achten Sie darauf, die Schutzvorrichtung des gepolten bzw. geerdeten Steckers nicht zu beschädigen. Ein gepolter Stecker verfügt über zwei Stifte, von denen einer breiter als der andere ist. Ein geerdeter Stecker hat zwei Stifte und einen Erdungsstift. Der breite Stift oder der dritte Stift ist für Ihre Sicherheit vorgesehen. Wenn der vorgesehene Stecker nicht in Ihre Steckdose passt, wenden Sie sich an einen Elektriker, um die veraltete Steckdose austauschen zu lassen.
10. Schützen Sie das Netzkabel so, dass nicht darauf getreten wird, und dass es insbesondere an den Steckern oder passenden Steckdosen bzw. der Stelle, an der das Kabel das Gerät verlässt, nicht abgeklemt wird.
11. Verwenden Sie nur die vom Hersteller angegebenen Zusatzgeräte/Zubehörteile.
12. Verwenden Sie für das Gerät nur Gestelle, Ständer, Stative, Konsolen und Tische, die vom Hersteller empfohlen oder in Verbindung mit dem Gerät verkauft werden. Bei Verwendung eines Transportwagens bewegen Sie das Gerät nur mit äußerster Vorsicht, um Verletzungen durch Umkippen zu vermeiden.
13. Trennen Sie das Gerät bei Gewitter oder längerer Abwesenheit vom Stromnetz.
14. Überlassen Sie alle Wartungsarbeiten qualifiziertem Kundendienstpersonal. Wartungsarbeiten sind erforderlich, wenn das Gerät in irgendeiner Weise beschädigt wurde, wie zum Beispiel ein beschädigtes Netzkabel oder Stecker, verschüttete Flüssigkeiten oder Gegenstände, die in das Gerät gefallen sind, das Gerät Regen oder Feuchtigkeit ausgesetzt wurde, nicht normal funktioniert oder fallen gelassen wurde.
15. Dieses Gerät ist für die Versorgung von einem eingetragenen Netzanschlussgerät mit der Kennzeichnung „Klasse 2“ oder „LPS“ und einer Ausgangsleistung von 12 Vac, 2,2 A oder PoE(55 Vac), 0,55 A.
16. Dieses Produkt soll mit Isolationsstrom verwendet werden.
17. Wenn Sie bei der Installation des Gerätes zu viel Kraft verwenden, kann es zu Beschädigungen und Fehlfunktionen der Kamera kommen. Wenn Sie das Produkt mit Gewalt und nicht konformen Werkzeugen installieren, kann das Produkt beschädigt werden.
18. Stellen Sie das Produkt nicht an Orten auf, an denen chemische Stoffe oder Ölnebel vorhanden sind oder entstehen können. Da Speiseöle wie Sojaöl das Produkt beschädigen oder verwerfen können, darf das Produkt nicht in der Küche oder in der Nähe des Küchentisches installiert werden. Dies kann zu Schäden am Produkt führen.
19. Achten Sie beim Einbau des Produkts darauf, dass die Oberfläche des Produkts nicht mit chemischer Substanz gefärbt wird. Einige chemische Lösungsmittel wie Reiniger oder Klebstoffe können schwere Schäden an der Oberfläche des Produkts verursachen.
20. Wenn Sie das Produkt in einer nicht empfohlene Weise installieren oder demontieren, können die Produktionsfunktionen / Leistung nicht garantiert werden. Installieren Sie das Produkt unter "Installation und Anschluss (Installation and connection)" in der Bedienungsanleitung.
21. Installation oder Verwendung des Produkts ins Wasser kann zu ernsthaften Schäden am Produkt führen.



WARNUNG

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

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

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

VORSICHT

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

ERKLÄRUNG DER GRAPHISCHEN SYMBOLE



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



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

Klasse I nbauart

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

Akku

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

Die Batterie kann nicht ersetzt werden.

Trennung des Geräts

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

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

ACHTUNG

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

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

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.

Wir garantieren nicht für die Qualität von Produkten von Drittanbietern (z.B. Objektive, Zubehör), die Sie separat kaufen.

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) i9-7920X 2,9 GHz oder mehr
 - RAM : 64G oder höher
 - Unterstützte Betriebssystem : Windows 8.1, 10, Mac OS X 10.12, 10.13, 10.14
 - Empfohlener Browser: Google Chrome
 - Unterstützte Browser: MS Explorer11, MS Edge, Mozilla Firefox (nur Windows 64bit), Apple Safari (nur Mac OSX)
 - VGA: GTX 1080, 11 GB Grafikkarte oder mehr
- ※ Im Anhang finden Sie detaillierte Informationen über bestätigte Betriebssysteme und Browser.

EMPFOHLENE TECHNISCHE DATEN FÜR MICRO SD/SDHC/SDXC
SPEICHERKARTEN

- Empfohlene Kapazität : 16GB bis 256GB (MLC-Typ)
- Empfohlene Hersteller: SanDisk, Transcend
- Produkttyp: Hochleistung
- Die Kompatibilität variiert je nach Kartenhersteller und -typ.
- Für die Aufnahme von MJPEG SD empfehlen wir, die eine MJPEG-Auflösung der Aufnahme von 4K oder weniger.
- In Bezug auf Multi-Profil-Spezifikation unterstützt TNB-9000 insgesamt drei Profile.
Kanal1 unterstützt zwei Profile, DPTZ Kanal2 unterstützt ein Profil. Wenn Sie daher alle drei Profile verwenden, können Sie kein Aufnahmeprofil zusätzliche einstellen und verwenden, wie eine SD-Karte. Stellen Sie in diesem Fall das Aufnahmeprofil genauso ein wie das aktuell verwendete Profil, um die Aufnahmefunktion weiter zu verwenden.

EMPFOHLENE NAS-SPEZIFIKATIONEN

- Empfohlene Kapazität : 200GB oder mehr wird empfohlen.
- Bei dieser Kamera raten wir zu NAS mit den folgenden Spezifikationen.
Empfohlene Produkte : QNAP NAS, Synology NAS



- Wenn Sie während der Verwendung von NAS Auto-Aufnahme Ihre Kamera neu hochfahren, kann die N/W-Verbindung verzögert werden und das Verhalten der NAS Auto-Aufnahme fehlschlagen je nach den Attributen ihrer externen N/W-Geräte.

LIEFERUMFANG

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

Produktdesign	Bezeichnung	Menge	Beschreibung
	Kamera	1	
	Kurzanleitung (Optional)	1	
	HPoE-Injektor	1	Verbindet Stromversorgung und Netzwerk
	Netzkabel	1	Verbindet HPoE
	6-polige Anschlussklemme	1	Dient zum Anschluss von Alarmein- und -ausgängen
	Netzklemmleiste	1	Der Netzstecker ist eingesteckt



- SFP-Modul und Glasfaseroptikkonverter werden getrennt verkauft. Bitte wählen und kaufen Sie einen SFP von 100/1000 Base-FX und einen Glasfaserkonverter.

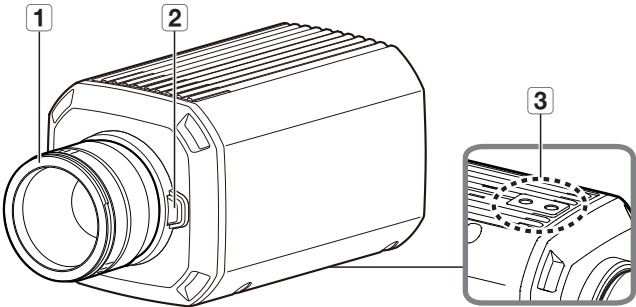
OBJEKTIVBEFESTIGUNG – OPTIONAL

Produktdesign	Bezeichnung	Beschreibung	Modellname
	Objektivbefestigung	Optionales Objektiv zum Einsetzen in eine Kamera	Canon 24 mm f1,4L, Auto-Blende (EF 24 mm f/1,4L II USM) Canon 35 mm f1,4L, Auto-Blende (EF 35 mm f/1,4L II USM) Canon 50 mm f1,4, Auto-Blende (EF 50 mm f/1,4 USM) Canon 85 mm f1,2L, Auto-Blende (EF 85 mm f/1,2L II USM) Canon 100 mm f2,0, Auto-Blende (EF 100 mm f/2 USM) Canon 70-200 mm f2,8L, Auto-Blende (EF 70-200 mm f/2,8L USM)

- 
- Das Produktbild ist unterschiedlich für jedes Objektivmodell
 - Beim Verwenden der Objektivbefestigung Canon 70-200 mm f2,8L, Auto-Blende, Vari Focal (EF 70–200 mm f/2,8L USM) müssen die Gehäuse-Zubehörteile verwendet werden.

AUF EINEN BLICK

Vorderseite

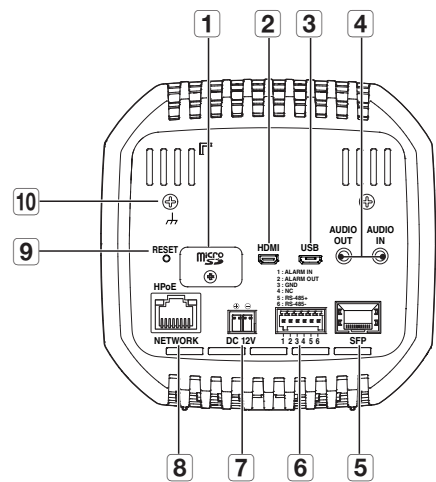


Bezeichnung	Beschreibung
1 Objektivbefestigung	Dieses Objektiv ist in einer Kamera zu installieren. Es wird separat verkauft.
2 Lens release button	Wird zum Lösen eines angebrachten Objektivs verwendet.
3 Schraubenbohrung für Installation	Verwendet zum Befestigen der Kamera an einem Gehäuse. ■ Schraubengröße : Dies ist die Spezifikation für die Schrauben, die zur Befestigung der Kamera an der Unterlage verwendet werden. 1/4" -20 UNC L : 4.5mm±0.2mm (ISO Standard), oder 0.197" (ASA Standard)



- 
- Gehäuse ist nicht enthalten. Siehe die Dokumentation des Produkts für weitere Informationen zur Verwendung des Gehäuses.

Rückseite



Bezeichnung	Beschreibung
1 Micro SD-Speicherkartenfach	Fach für die Micro SD-Speicherkarte.
2 micro-HDMI-Anschluss	Über ein HDMI-Kabel an einen Monitor anschließen, um den Kamera-Feed anzuzeigen.
3 MICRO USB Port	Port für den Anschluss von Wi-Fi-Dongles. Sie können das Installationsvideo über die auf dem Smartphone installierten Anwendungen überprüfen. "Verbinden mit WiFi-Dongle" Siehe auf Seite 11. ■ Wi-Fi Dongle und OTG-Adapter werden separat verkauft.
4 Anschluss für Audio	AUDIO OUT Wird zum Anschließen von Lautsprechern verwendet. AUDIO IN Wird zum Anschließen eines Mikrofons verwendet.
5 SFP-Modulschlitz	Das Terminal, das die Glasfaseroptikverbindung über SFP-Modul (LC-Typ) herstellt. (100/1000Base-FX)
6 Anschlüsse für Alarm E/A	ALARM IN Wird verwendet, um den Alarm-Eingang-Sensor oder den externen Tag-/Nachtsensor zu verbinden.
	ALARM OUT Anschluss für Audioausgabe.
	GND Für die Erdung.
	RS-485+ RS-485 Datenleitung
	RS-485- RS-485 Datenleitung

Bezeichnung	Beschreibung
7 Stromanschluss	Zum Anschluss des Stromkabels.
8 HPoE-Verbindungsanschluss	Klemme, welche Spannungsversorgung und Netzwerk über einen HPoE-Injektor verbindet.
9 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.
10 Blitzschlagschutz Erdungsanschluss	Dient zur sicheren Abführung der Blitzschlagspannung, um die Kamera zu schützen.

! ■ Der RS-485 Anschluss unterstützt nur den direkt Anschluss eines Neig-/Schwenkantriebs. Externe Anschlüsse des RS-485 Controllers werden nicht unterstützt.

ANBRINGEN DES OBJEKTIVS

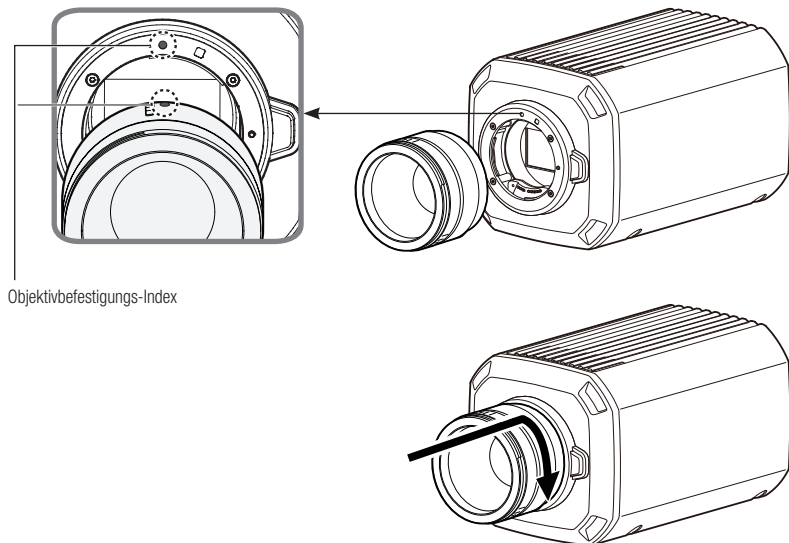
Trennen Sie die Stromverbindung, bevor Sie fortfahren.



- Objektivbefestigungen werden separat verkauft. Siehe Seite 7 für die Liste kompatibler Objektive.
- Die Kamera muss bei der Montage/Entfernung eines kompatiblen Objektivs ausgeschaltet werden.

Befestigen des Objektivs an einer Kamera

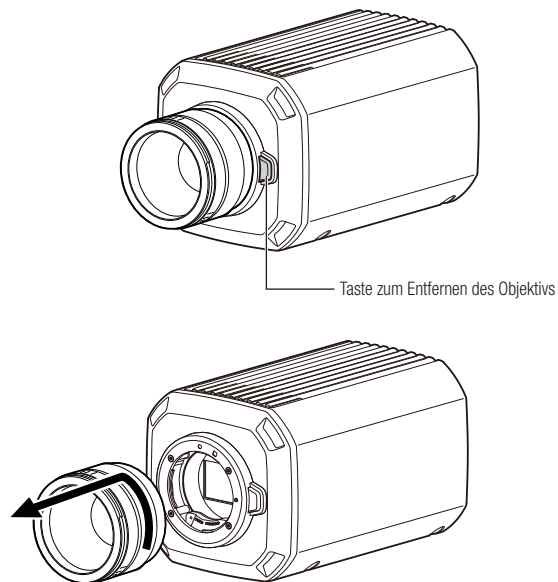
Nach dem Ausrichten und Einsetzen des Objektivbefestigungs-Index, diesen zur Befestigung im Uhrzeigersinn drehen.



- Die Farbe des Objektivbefestigungs-Index hängt ab vom Modell der Objektivbefestigung.
- Für mehr Informationen zum anzubringenden Objektiv, siehe das Benutzerhandbuch des Objektivs.

Objektiv lösen

Die Taste zum Lösen des Objektivs drücken und gedrückt halten und dabei das Objektiv im Uhrzeigersinn drehen, um es von der Kamera zu lösen.

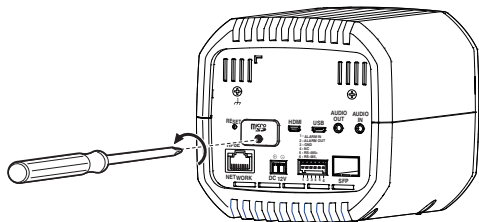


EINLEGEN/HERAUSNEHMEN EINER MICRO SD-SPEICHERKARTE

- ! ■ 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.

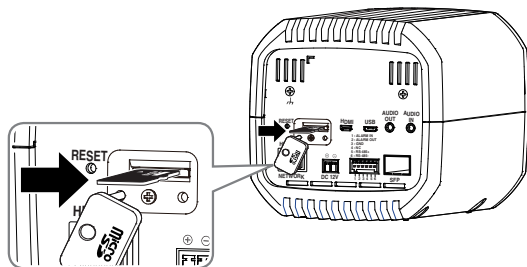
Abdeckung des Speicherkarten-Slots entfernen

Mit dem Schraubenzieher die Schrauben entfernen, welche die Staubschutzabdeckung am Speicherkarten-Slot befestigen und dann die Abdeckung entfernen, so dass die Speicherkarte eingesetzt werden kann.



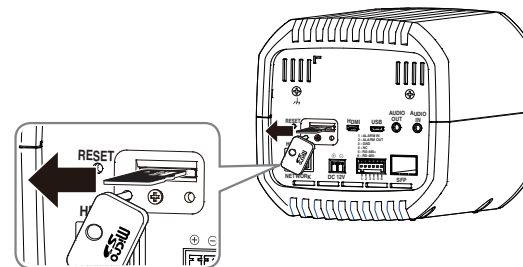
Einlegen einer Micro SD-Speicherkarte

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



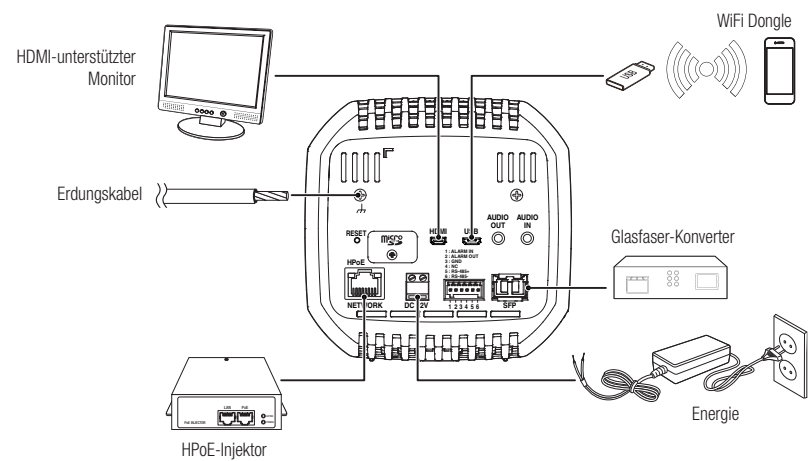
Herausnehmen einer Micro SD-Speicherkarte

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



- ! ■ Wenn die Micro SD-Speicherkarte zu stark hineingedrückt wird, kann die Karte beim Loslassen unkontrolliert aus dem Steckplatz herausgeschießen.
- Vor dem Entfernen der Micro SD-Speicherkarte in <Setup (⚙️)><Ereignis><Speicherkapazität> das Gerät auf <Aus> setzen, die Schaltfläche **[Anwenden]** drücken und die Kamera ausschalten.
- Wenn Sie die Kamera ausschalten oder die Micro SD-Speicherkarte mit Produktdaten entfernen, gehen Daten möglicherweise verloren oder werden beschädigt.

ANSCHLUSS AN ANDERE GERÄTE



- Verbinden und verwenden Sie einen HPoE-fähigen Router.
- Der Micro USB-Ausgang des Produkts wurde zur einfacheren Installation bereitgestellt und dient keinen Überwachungszwecken.

WLAN-Verbindung

Kameraeinstellung

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

Smartphone-Einrichtung

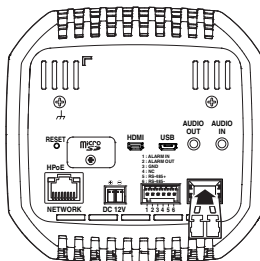
1. Installieren Sie die Wisenet Installation Anwendung.
2. Wählen Sie die SSID-Kamera nach dem Einschalten des WiFi.
3. Führen Sie die Wisenet Installationsanwendung aus.
4. Wenn Sie sich bei der Kamera anmelden, wird das Video verbunden (Anfang passwort: 4321)
 - Das Video wird abgespielt, ohne bei der ersten Verbindung angemeldet zu sein.
5. Der Kamerawinkel kann während Sie das Video über das Smartphone betrachten angepasst werden,

Empfohlener Dongle-Hersteller

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

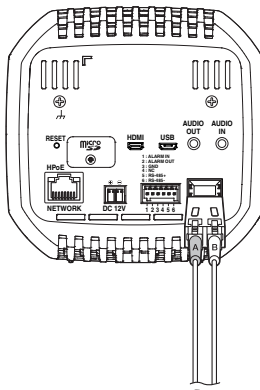
SPF-Modul anschließen

1. SFP-Modul einstecken.



2. Das Optikkabel (AB) an den Typ LC des SFP-Moduls anschließen.

3. Das andere Ende des Optikkabels (BA) an den Glasfaseroptikkonverter anschließen, der mit dem SPF-Modul verbunden wird.



- SFP-Module und Glasfaseroptikkonverter werden getrennt verkauft.
 - SFP-Module der folgenden Hersteller werden empfohlen:
 - Comnet, IFS, Skylane, AVAGO, CISCO
 - Das SFP-Modul und den Glasfaseroptikkonverter anhand Querverbindung des Lichtwellenleiterkabel (AB/BA) anschließen.
- ! Die Verbindung des SPF-Moduls muss erfolgen, nachdem die angeschlossene Kamera ausgeschaltet ist.
- Während die Kamera eingeschaltet ist, darf das SFP-Modul weder installiert noch entfernt werden.
 - Durch einen Knick im Lichtwellenleiterkabel kann die Verbindung der Kommunikation unterbrochen werden.
 - Schauen Sie nicht direkt auf den Lichtwellenleiterkabel. Ihre Augen können beschädigt werden.

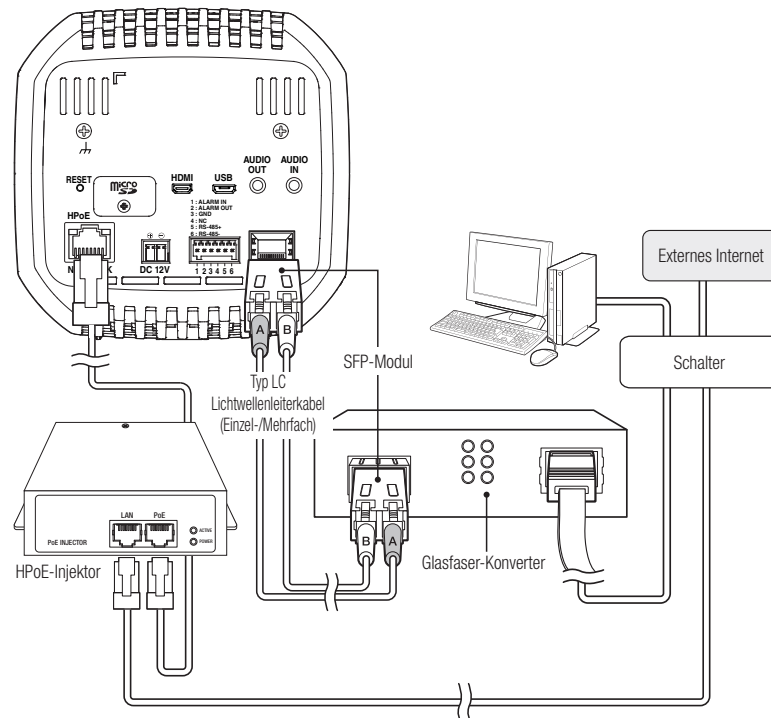
Ethernet-Verbindung

Anschluss an Ihr lokales Netzwerk oder Internetanschluss, indem Ihr Ethernetkabel oder SFP-Optik-Verbindung angeschlossen werden.

Die Ethernetverbindung von diesem Produkt unterstützt die redundante Verbindung zwischen RJ-45 und SFP und die SFP hat Vorrang.

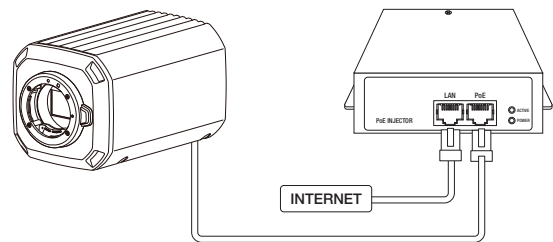
Verhaltensbeispiel:

- Wenn der SFP-Port während der Nutzung von RJ-45 angekoppelt ist, dann ist SFP für den Ethernet-Link aktiviert, während RJ-45 deaktiviert ist.
- Wenn die SFP-Verbindung plötzlich abgebrochen ist während der SFP-Nutzung, wird die RJ-45 Verbindung automatisch aktiviert.



Antrieb und Netzwerkbetrieb

Das HPoE-Gerät mit der HPoE-Klemme der Kamera verbinden.



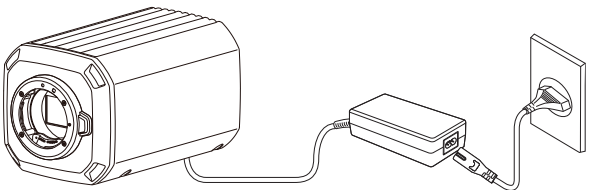
- Verbinden und verwenden Sie einen HPoE-fähigen Router.
- Verwenden Sie ein HPoE-Gerät, das der Norm IEEE802.3bt (PSE TYP 3 oder 4) entspricht.
- Wenn Sie eine Verbindung über einen HPoE-fähigen Router herstellen, benötigen Sie kein separates Stromkabel, um ihn einzuschalten.

Netzwerkabel-Spezifikation

Artikel	Inhalte	Anmerkung
Stecker	RJ45 (10/100/1000BASE-T)	
Ethernet	10/100/1000BASE-T	Für einen Betrieb mit 1000BASE-T sollte ein Kabel der SSTP-Kategorie 7 oder mehr für den Giga-Hub verwendet werden.
Kabel	SSTP-Kategorie 7	
Max. Entfernung	100M	Gleichstromwiderstand ≤ 0,188 Ω/m
HPoE	HPoE	

Stromversorgung

Verwenden Sie einen Schraubenzieher, um die verschiedenen Leitungen (+, -) des Stromkabels an die entsprechenden Stromanschlüsse der Kamera anzuschließen.



- Wenn die Stromquellen für PoE und DC 12 V gleichzeitig angeschaltet sind, wird die Stromversorgung für das Gerät von beiden, PoE und DC 12 V, geliefert.
- Es wird empfohlen, eine einzelne Quelle für die Versorgung der Ausrüstung zwischen PoE, DC 12 V zu verwenden.
- Es wird ein Netzteil mit DC 12 V 3 A oder höher empfohlen.
- Wir empfehlen für die Stromversorgung des Gerätes die Verwendung von HPoE-Injektoren.
- Achten Sie beim Anschluss des Stromkabels darauf, Plus- und Minuspol nicht zu vertauschen.
- Wenn ein externes Gerät angeschlossen werden soll, muss das Gerät vor dem Anschließen abgeschaltet werden.
- Das Produkt ist mit einem abgeschirmten Netzwerkkabel (STP) anzuschließen, das richtig geerdet ist.

Netz-kabel-Spezifikation für jedes Modell

Bei DC 12V Eingabe:

Kabeltyp (AWG)	#14	#16
Kabellänge (max.)	24m	15m

Optische Kommunikation Ethernet Standard

Artikel	Inhalte
Ethernet: Optische Kommunikation	SFP (LC-Typ)
Optische Kommunikation: Ethernet physikalischer Rang	10/100/1000BASE-T
Optische Kommunikation: Default Geschwindigkeit	100/1000Mbps
Optische Kommunikation: Ethernet Standard	IEEE 802.3ab, IEEE 802.3z

Erden des Geräts

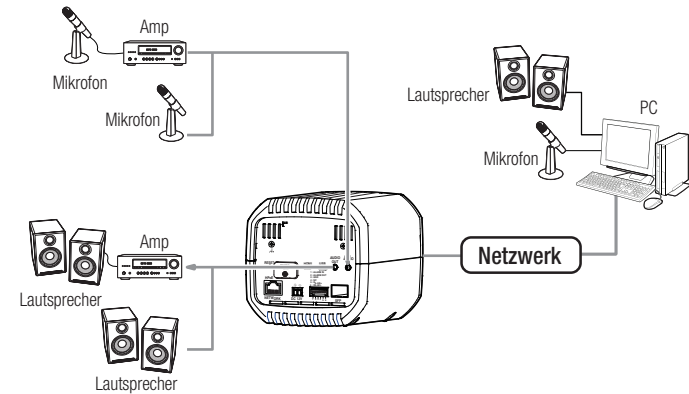
Die Masseleitung an die Masseklemme anschließen. Diese befindet sich über der Stromeingangsklemme. Dazu einen Schraubenzieher benutzen.

- Die Erdung schützt das Gerät vor Überspannung oder Blitzschlag.
- Vor dem Anschließen der Erdung sicherstellen, dass das Gerät abgeschaltet ist.

Empfohlenes Erdungskabel

- Länge: Weniger als 3 m
- Drahtmaß: 18 AWG oder größer
Beispiel) UL1007 AWG 18/16, UL1015 AWG18/16/14/12, UL2468 AWG18/16/14

Audio E/A Blockdiagramm



1. Verbinden Sie den AUDIO IN Anschluss der Kamera mit dem Mikrofon oder dem LINE OUT Anschluss des Verstärkers, an den das Mikrofon angeschlossen ist.
2. Verbinden Sie den AUDIO OUT Anschluss der Kamera mit dem Lautsprecher oder dem LINE IN Anschluss des Verstärkers, an den das Mikrofon angeschlossen ist.
3. Überprüfen Sie die Spezifikationen für den Audioeingang.

• Audio Codec

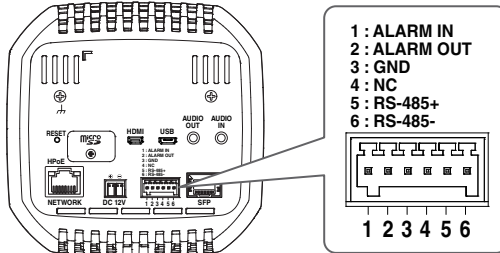
- Audioeingang : G.711 PCM (Bitrate: 64kbps / Abtastfrequenz: 8kHz), G.726 ADPCM (Bitrate: 16Kbps, 24Kbps, 32Kbps, 40Kbps / Abtastfrequenz: 8kHz), AAC (Bit Rate: 48Kbps / Sampling Frequency: 16kHz)
- Audioausgang : G.711 PCM (Bitrate: 64kbps / Abtastfrequenz: 8kHz)

• Vollduplex Audio

- **Audio Ein** : Eingang Mono Signalkabel (Max.2,4 Vpp)
- **Audio Aus** : Ausgabe Mono Signalkabel (Max.2,4 Vpp)
- **Line out Impedanz** : 600Ω

Anschluss an die I/O-Port-Box

Zum Verbinden des Alarmeingangs/Alarmausgangs mit dem entsprechenden Port auf der hinteren Port-Box.



- ALARM IN : Wird verwendet, um den Alarm-Eingang-Sensor oder den externen Tag-/Nachtsensor zu verbinden.
- ALARM OUT : Anschluss für Audioausgabe.
- GND : Für die Erdung.
- RS-485+ : Anschluss für die RS-485 Datenübertragung des Empfängers (+).
- RS-485- : Anschluss für die RS-485 Datenübertragung des Empfängers (-).

Anschließen eines externen RS-485-Geräts

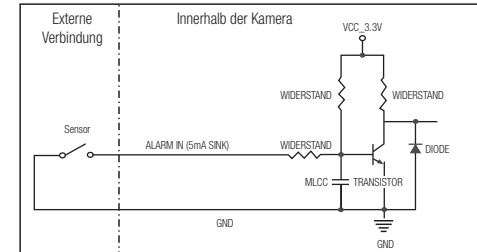
Die Kamera über die [RS-485 +, -] Anschlüsse an das externe Gerät anschließen.
Die Schwenk- und Neigungsfunktion der Kamera kann über RS-485 Datenübertragung gesteuert werden.

- Für die Datenübertragung über RS-485 muss GND angeschlossen werden. Wenn Datenübertragungsfehler auftreten, gegebenenfalls den GND Kontakt anschließen, um das Massepotential zwischen der Kamera und dem externen Gerät auszugleichen.

Anschließen des externen Sensors

Eine Ader jedes Signalkabels (2-adrig) des Sensors an den [ALARM IN] Anschluss und die zweite Ader an den [GND] Anschluss anschließen.

Alarm im Schaltplan

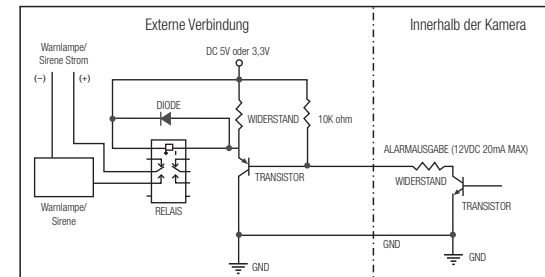


Zum Verbinden der Alarmausgabe

Wenn Geräte (z.b. Blinklichter und Sirene), die die Spannungs-und Stromspezifikation überschreiten, mithilfe eines Open-Kollektors angeschlossen werden, kann es zu Funktionsstörungen kommen.

Sehen Sie sich den Alarmausgabe-Verbindungsschaltplan unten an, wenn Sie Geräte verbinden, die die Spannungs- und Stromspezifikationen überschreiten.

Schaltplan Alarmausgabe

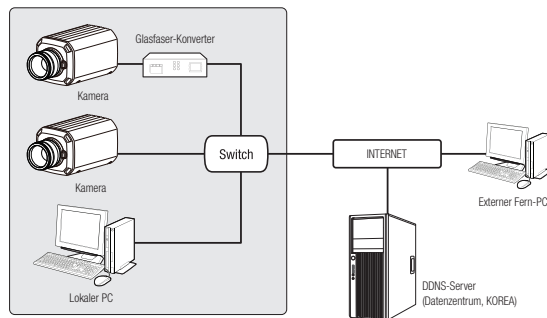


Sie können die Netzwerkeinstellungen gemäß Ihrer Netzwerkkonfigurationen einrichten.

DIREKTES VERBINDEN DER KAMERA AN DAS LAN

Anschluss an die Kamera von einem lokalen PC im LAN

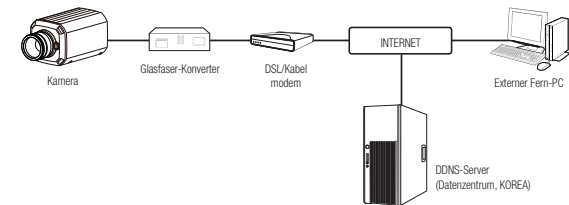
1. Starten Sie einen Internetbrowser am lokalen PC.
2. Geben Sie die IP-Adresse der Kamera in die adressenleiste des browsers ein.



<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.
- Standardmäßig, wird die IP-Adresse vom DHCP-Server automatisch zugeteilt. Wenn keinen DHCP-Server verfügbar ist, wird die IP-Adresse auf 192.168.1.100 gesetzt. Zum Ändern der IP-Adresse den Device Manager verwenden. Für weitere Einzelheiten zur Verwendung des Device Manager, siehe „Verwenden des Device Manager“. (Seite 17)

VERBINDEN DER KAMERA DIREKT MIT EINEM DHCP BASIERTEN DSL/ KABELMODEM



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

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

VERWENDEN DES DEVICE MANAGER



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

AUTOMATISCHE SUCHE DER KAMERA

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

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

KONFIGURIEREN DER IP-ADRESSE

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

Konfigurieren der statischen IP

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

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

Wenn Sie keinen Breitband-Router verwenden

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

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

Bei Verwendung eines Breitband-Routers

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



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

Wenn mehrere Kameras mit dem Breitband-Router verbunden sind

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

bsp)

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



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

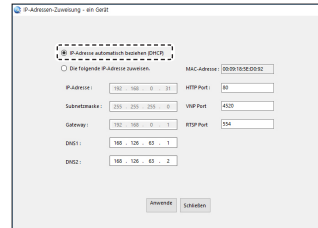
- Auf die Schaltfläche **[Anwenden]** klicken.
- Wenn die Erfolgsmeldung erscheint, auf **[OK]** klicken.

Konfigurieren der dynamischen IP

IP-Adresse vom DHCP-Server beziehen.

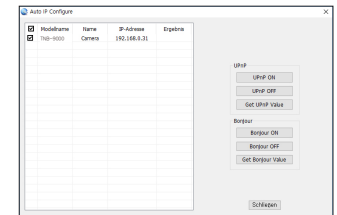
- Beispiel einer dynamischen IP-Umgebung
 - Wenn einem Breitband-Router, mit dem Kameras verbunden sind, eine IP-Adresse von einem DHCP-Server zugewiesen wird
 - Wenn die Kamera direkt mit einem xDSL- oder Kabelmodem mithilfe eines DHCP-Protokolls verbunden wird
 - Wenn die IP-Adressen von dem internen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

1. In der Liste auf die Kamera klicken, von der die IP-Einstellungen geändert werden sollen.
2. Auf der Hauptseite des Device Manager auf **<IP Assign (IP zuweisen)>** klicken.
3. **<IP-Adresse automatisch beziehen (DHCP)>** auswählen.
4. Auf die Schaltfläche **[Anwenden]** klicken.
5. Wenn die Erfolgsmeldung erscheint, auf **[OK]** klicken.



AUTOMATISCHE KONFIGURATION DER IP

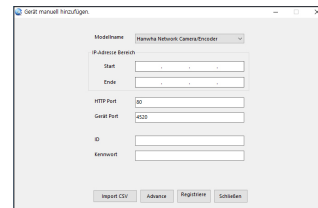
1. In der Liste auf die Kamera klicken, von der die IP automatisch konfiguriert werden soll.
2. Auf der Hauptseite des Device Manager auf **< + >** klicken.
 - Das Menü Equipment Setting erscheint.
3. Im Menü auf **<Auto IP Configure (Automatische IP-Konfiguration)>** klicken.
4. Auf die Schaltfläche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



MANUELLES REGISTRIERUNG DER KAMERA

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

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

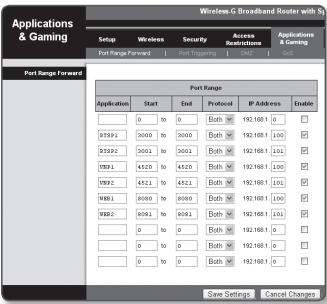


PORTBEREICHWEITERLEITUNG KONFIGURIEREN (PORT MAPPING)

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

Manuelle Portbereichweiterleitung

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

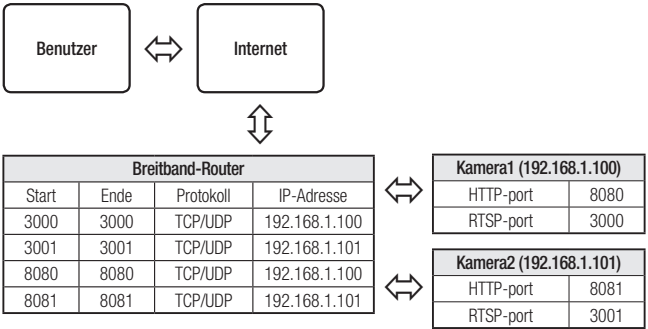


- Die Einstellung des Port-Forwarding wird am Beispiel der Einstellung eines CISCO IP-Routers gezeigt.
- Die Netzwerkeinstellungen können sich je nach Breitband-Routermodell unterscheiden. Für mehr Informationen, lesen Sie im Benutzerhandbuch des Routers nach.

Einstellen des Portweiterleitungsbereichs für mehrere Netzwerkkameras

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

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



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

VON EINEM GEMEINSAMEN LOKALEN PC EINE VERBINDUNG ZU DER KAMERA HERSTELLEN

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



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

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

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

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

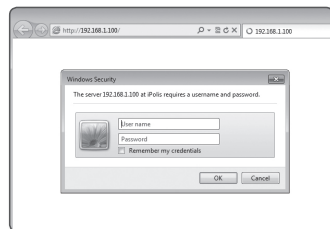


- Zur Verwendung von Wisenet DDNS auf der Wisenet DDNS Homepage anmelden (<http://ddns.hanwha-security.com>) und das Produkt unter **[Mein DDNS]>[Produkt registrieren]** registrieren.

VERBINDUNG MIT DER KAMERA

Sie würden, normalerweise

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



Falls die Nummer des HTTP-Ports nicht 80 ist

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

URL Benutzen

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



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

Verbindung über UPnP

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

Verbindung über Bonjour

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

So überprüfen Sie die DDNS-Adresse

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

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

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

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

PASSWORTEINSTELLUNG

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



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

Administrator password change

New password

Confirm new password

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

ANMELDEN

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

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



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



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

Windows Security

The server 192.168.1.100 at iPolis requires a username and password.

User name

Password

☐ Remember my credentials

OK Cancel

EINRICHTUNG VON CAMERA WEB VIEWER

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



- Aus Gründen der PC-Leistung wird ein Video mit hoher Auflösung (über 4K) in ein Plug-in-freies Profil im Web Viewer umgeschaltet. Für eine optimale Live-Überwachung einen hochperformanten Überwachungsdienst wie SSM verwenden.

FEHLERSUCHE

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

PROBLEM	LÖSUNG
<Bewegungserkennung> des <Analyse> ist auf <Aktivieren> eingestellt, doch haben mich keine E-Mails mit Benachrichtigungen erreicht, selbst wenn ein Analyse-Ereignis eingetreten ist.	Überprüfen Sie die Einstellungen in der folgenden Reihenfolge: A. Prüfen Sie die Einstellungen unter <Datum & Uhrzeit>. B. Die <Bewegungserkennung> muss auf <Aktivieren> gestellt sein. C. Prüfen Sie, ob die Option <E-mail> im <Ereigniseinrichtung> Menü markiert ist.
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.

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

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

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

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

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



Korrekte Entsorgung von Altgeräten (Elektroschrott)

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

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

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



Korrekte Entsorgung der Batterien dieses Produkts

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

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

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

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