WISENET

NETZWERKKAMERA

Benutzerhandbuch

QND-6011
QND-6021

CE

Netzwerkkamera
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 Missmanagment des Passworts ergeben verantwortlich.**

WICHTIGE SICHERHEITSHINWEISE

1. Lesen Sie diese Anweisungen.
2. Bewahren Sie sie auf.
3. Beachten Sie alle Warnungen.
4. Befolgen Sie alle Anweisungen.
5. Verwenden Sie dieses Gerät nicht in der Nähe von Wasser.
6. Die verunreinigte Stelle auf der Produktoberfläche mit einem weichen, trockenen oder feuchten Tuch reinigen. (Keine Reinigungs- oder kosmetischen Mittel verwenden, die Alkohol, Lösungsmittel oder Ölbestandteile enthalten, da diese das Produkt deformieren oder schädigen können.)
7. Blockieren Sie keine Belüftungsöffnungen. Installieren Sie es gemäß den Herstelleranweisungen.
8. Installieren Sie das Gerät nicht in der Nähe von Wärmequellen wie beispielsweise von Radiatoren, Heizkörpern oder anderen Geräten (einschließlich Verstärkern), die Wärme erzeugen.
9. Bitte achten Sie darauf, die Schutzvorrichtung des gepolten bzw. geerdeten Steckers nicht zu beschädigen. Ein gepolter Stecker verfügt über zwei Stifte, von denen einer breiter als der andere ist. Ein geerdeter Stecker hat zwei Stifte und einen Erdungsstift. Der breite Stift oder der dritte Stift ist für Ihre Sicherheit vorgesehen. Wenn der vorgesehene Stecker nicht in Ihre Steckdose passt, wenden Sie sich an einen Elektriker, um die veraltete Steckdose austauschen zu lassen.
10. Schützen Sie das Netzkabel so, dass nicht darauf getreten wird, und dass es insbesondere an den Steckern oder passenden Steckdosen bzw. der Stelle, an der das Kabel das Gerät verlässt, nicht abgeklemmt wird.
11. Verwenden Sie nur die vom Hersteller angegebenen Zusatzgeräte/Zubehörteile.
12. Verwenden Sie für das Gerät nur Gestelle, Ständer, Stative, Konsolen und Tische, die vom Hersteller empfohlen oder in Verbindung mit dem Gerät verkauft werden. Bei Verwendung eines Transportwagens bewegen Sie das Gerät nur mit äußerster Vorsicht, um Verletzungen durch Umkippen zu vermeiden.



13. Trennen Sie das Gerät bei Gewitter oder längerer Abwesenheit vom Stromnetz.
14. Überlassen Sie alle Wartungsarbeiten qualifiziertem Kundendienstpersonal. Wartungsarbeiten sind erforderlich, wenn das Gerät in irgendeiner Weise beschädigt wurde, wie zum Beispiel ein beschädigtes Netzkabel oder Stecker, verschüttete Flüssigkeiten oder Gegenstände, die in das Gerät gefallen sind, das Gerät Regen oder Feuchtigkeit ausgesetzt wurde, nicht normal funktioniert oder fallen gelassen wurde.
15. Dieses Produkt soll mit einer zugelassenen Stromversorgung verwendet zu werden, die mit „Klasse 2“ oder „LPS“ gekennzeichnet ist und mit PoE (48 V), 0,1 A bemessen ist.
16. Dieses Produkt soll mit Isolationsstrom verwendet werden.
17. Wenn Sie bei der Installation des Gerätes zu viel Kraft verwenden, kann es zu Beschädigungen und Fehlfunktionen der Kamera kommen.
    Wenn Sie das Produ kt mit Gewalt und nicht konformen Werkzeugen installieren, kann das Produkt beschädigt werden.
18. Stellen Sie das Produkt nicht an Orten auf, an denen chemische Stoffe oder Ölnebel vorhanden sind oder entstehen können. Da Speiseöle wie Sojaöl das Produkt beschädigen oder verwerfen können, darf das Produkt nicht in der Küche oder in der Nähe des Küchentisches installiert werden.
    Dies kann zu Schäden am Produkt führen.
19. Achten Sie beim Einbau des Produkts darauf, dass die Oberfläche des Produkts nicht mit chemischer Substanz gefärbt wird.
    Einige chemische Lösungsmittel wie Reiniger oder Klebstoffe können schwere Schäden an der Oberfläche des Produkts verursachen.
20. Wenn Sie das Produkt in einer nicht empfohlene Weise installieren oder demontieren, können die Produktionsfunktionen / Leistung nicht garantiert werden.
    Installieren Sie das Produkt unter “Installation und Anschluss (Installation and connection)” in der Bedienungsanleitung.
21. Installation oder Verwendung des Produkts ins Wasser kann zu ernsthaften Schäden am Produkt führen.
22. Auch wenn eine schnelle Temperaturänderung Frost in der Kuppel erzeugen könnte, gibt es kein Problem mit dem Video.

WARNUNG

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

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

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

VORSICHT



ERKLÄRUNG DER GRAPHISCHEN SYMBOLE



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



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

Klasse I nbauart

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

Akku

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

Die Batterie kann nicht ersetzt werden.

Trennung des Geräts

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

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

ACHTUNG

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

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

Bitte verwenden Sie die Eingangsleistung für nur eine Kamera und schließen Sie keine zusätzlichen Geräte an.

Der ITE darf nur mit PoE-Netzwerken und ohne Routing zur äußeren Anlage verbunden werden.

Lesen Sie die folgenden empfohlenen Sicherheitsmaßnahmen sorgfältig durch.

- Stellen sie das Gerät nicht auf eine unebene Fläche.
- Setzen Sie das Gerät keiner direkten Sonneneinstrahlung aus, stellen Sie es nicht in der Nähe von Heizgeräten oder in sehr kalten Bereichen auf.
- Das Gerät nicht in der Nähe von leitendem Material aufstellen.
- Versuchen Sie auf keinen Fall, selbst Reparaturarbeiten auszuführen.
- Stellen Sie kein Glas Wasser auf das Produkt.
- Stellen Sie das Gerät nicht in der Nähe einer magnetischen Quelle auf.
- Blockieren Sie nicht die Belüftungsöffnungen.
- Legen Sie keine schweren Gegenstände auf das Produkt.
- Bitte nutzen Sie beim Installieren/Entfernen der Kamera Schutzhandschuhe. Die hohe Temperatur der Produktoberfläche könnte zu Verbrennungen führen.

Das Benutzerhandbuch ist ein Anleitungsbuch zur Art der Verwendung von Produkten.

Die Verwendungshinweise im Handbuch bedeuten folgendes.

- Referenz : Im Falle einer weiterleitenden Information als Hilfe bei der Produktverwendung
- Hinweis : Wenn die Möglichkeit besteht, dass Güter oder Menschen durch das Nichtbefolgen der Anleitung zu Schaden kommen

※ Bitte lesen Sie das vorliegende Benutzerhandbuch zur eigenen Sicherheit vor der Verwendung von Gütern sorgfältig durch, und heben Sie es an einem sicheren Ort auf.

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PRODUKT-FUNKTIONEN

- **Staub/Wasserdicht (IP42)**
  Achten Sie darauf, dass das Produkt vor Haushaltsflüssigkeitstropfen und Staub von Haushaltsgeräten geschützt ist.
- **Videos mit einer Auflösung von 2 Megapixel**
- **Multi-Übertragung**
  Dieser Netzwerk Encoder kann Videos in verschiedenen Auflösungen und Qualitäten über verschieden CODECs gleichzeitig anzeigen.
- **Überwachung über Webbrowser**
  Der Webbrowser kann verwendet werden, um die Bildanzeige in einer lokalen Netzwerkumgebung wiederzugeben.
- **Alarm**
  Sobald ein Ereignis eintritt, wird das zugehörige Bild an die von einem Benutzer registrierte E-Mail-Adresse im FTPServer gesendet oder auf einer Micro-SD-Karte oder im NAS gespeichert.
- **Manipulation Erkennung**
  Erkennt Versuche, die Video Überwachung zu manipulieren.
- **Funktion der Unschärfe-Ermittlung**
  Ermittelt das Unschärfe-Phänomen der Kameralinse.
- **Bewegungserkennung**
  Erkennt Bewegungen auf den von der Kamera eingehenden Videobildern.
- **Automatische Erkennung eines unterbrochenes Netzwerk**
  Erkennt ein unterbrochenes Netzwerk, bevor ein Ereignis ausgelöst wird.
- **Statistik des Personenzahlens**
  Sie konnen die Anzahl der Personen, die sich in den angegebenen Bereich begeben, durch Videoanalyse uberprufen.
- **ONVIF Compliance**
  Dieses Produkt unterstützt das ONVIF Profil S&G.
  Weitere Informationen finden Sie unter www.onvif.org.

ONVIF
Driving network video through global standardization

EMPFOHLENE PC-SPEZIFIKATIONEN

- CPU : Intel(R) Core(TM) i7 3.4 GHz oder höher
- RAM : 8G oder höher
- Unterstützte Betriebssystem : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14
- Empfohlener Browser: Google Chrome
- Unterstützte Browser: MS Explorer11, MS Edge, Mozilla Firefox (nur Windows 64bit), Apple Safari (nur Mac OSX)
- VGA : PCIe 256MB GDDR3 Videografikkarte oder höher

※ Sie können detaillierte Informationen zu verifizierten Betriebssystemen und Browsern im Anhang finden.

EMPFOHLENE TECHNISCHE DATEN FÜR MICRO SD/SDHC/SDXC SPEICHERKARTEN

- Empfohlene Kapazität : 16GB bis 128GB (MLC-Typ)
- Empfohlene Hersteller: SanDisk, Transcend
- Produkttyp: Hochleistung
- Die Kompatibilität variiert je nach Kartenhersteller und -typ.

EMPFOHLENE NAS-SPEZIFIKATIONEN

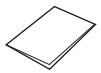
- Empfohlene Kapazität : 200GB oder mehr wird empfohlen.
- Gleichzeitiger Zugriff : Eine NAS-Einheit kann maximal sechzehn Kamerazugriffe aufnehmen.
- Bei dieser Kamera raten wir zu NAS mit den folgenden Spezifikationen.

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

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

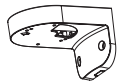
LIEFERUMFANG

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

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

Optionales Zubehör für die Installation

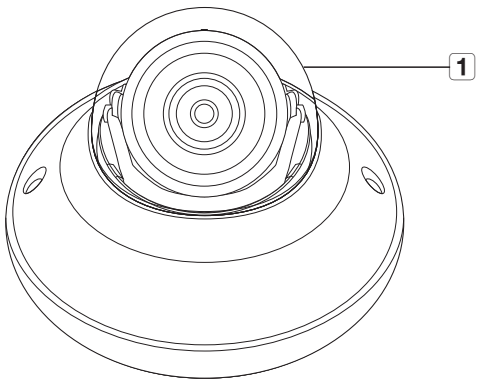
Damit sich die Installation einfacher gestaltet, können Sie das entsprechende optionale Zubehör kaufen.



Modellname	Wandbefestigung
QND-6011/6021	SBP-120WMW

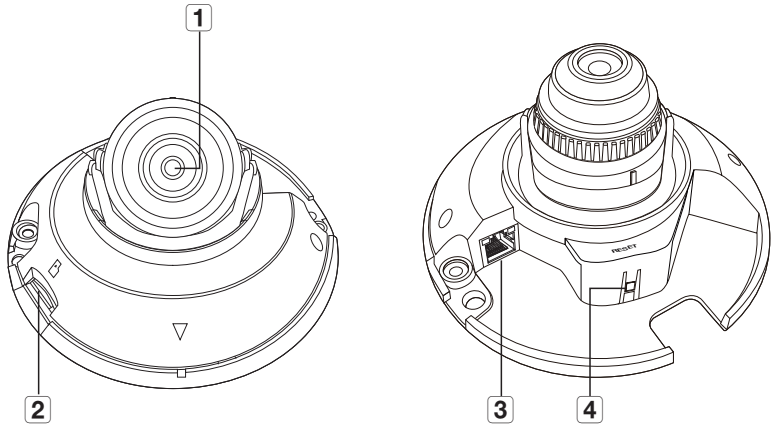
AUF EINEN BLICK

Aufbau



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

Komponenten



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

INSTALLATION

Bevor Sie mit der Installation beginnen

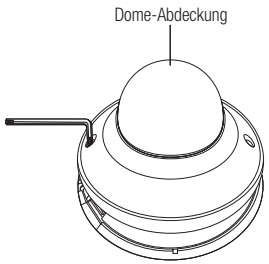
Bitte lesen Sie die folgenden Anweisungen, bevor Sie die Kamera installieren:

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

Demontage

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

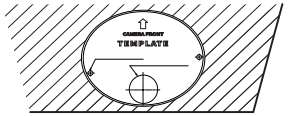
- Bitte notieren, dass es nicht notwendig ist, die Schraube völlig zu entfernen.



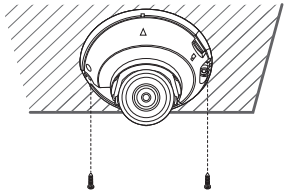
▪ Berühren Sie nicht den durchsichtigen Teil der Kuppelabdeckung, sobald die Schutzfolie entfernt wurde.

Installation

1. Ziehen Sie die zu überwachende Richtung in Erwägung, befestigen Sie die Schablone und bohren Sie Löcher, indem Sie nach der Schablone verfahren.
   ▪ Die < ⇧ > Markierung, die auf der Kamera aufgedruckt ist, so festlegen, dass sie der Kamerarichtung zur Überwachung gegenüberliegt.

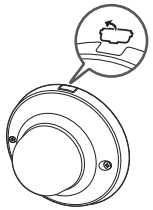


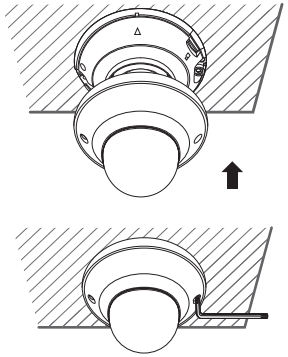
2. Bringen Sie die Kamera mithilfe von 2 Blechschrauben in den beiden Löchern, die mit einer Schablone gebohrt wurden, an.
3. Das kamerainterne Terminal mit dem entsprechenden Kabel verbinden.
4. Stellen Sie das Objektiv in eine gewünschte Richtung ein, indem Sie den Abschnitt „**Überwachungsrichtung der Kamera einstellen**" nachsehen. (Seite 10)



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

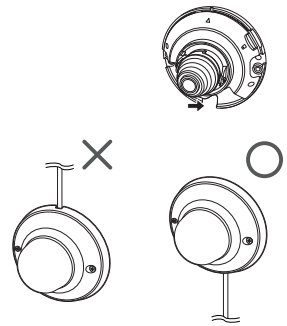
5. Decken Sie die Kuppelabdeckung ab und ziehen Sie die Schrauben mithilfe eines Inbusschlüssels im Uhrzeigersinn fest, um die Abdeckung zu sichern.
   ▪ Falls notwendig, entfernen Sie die Kabelöffnungsabdeckung an der Seite der Kuppelabdeckung.



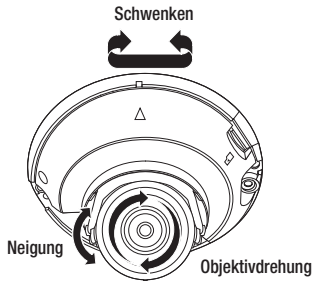


▪ **Wall mounting (IP42)**

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



Überwachungsrichtung der Kamera einstellen



▪ **Anpassen der Überwachungsrichtung**

Sie können die Richtung der Kamera nur einstellen, wenn die Kamera an der Decke befestigt ist.
Wobei das Drehen der Kamera nach links oder rechts Schwenken, die Einstellung der Neigung Neigen und das Drehen des Objektivs um seine Achse Drehen genannt wird.

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

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

▪ **Anpassungsmethode**

1. Nach der Installation der Kamera stellen Sie den Schwenkwinkel so ein, dass die Überwachungsrichtung berücksichtigt wird.
2. Den horizontalen Winkel so festlegen, dass das Bild nicht umgedreht ist.
3. Stellen Sie danach den Neigungswinkel so ein, dass die Kamera die Überwachungsrichtung blickt.

EINLEGEN/HERAUSNEHMEN EINER MICRO SD-SPEICHERKARTE

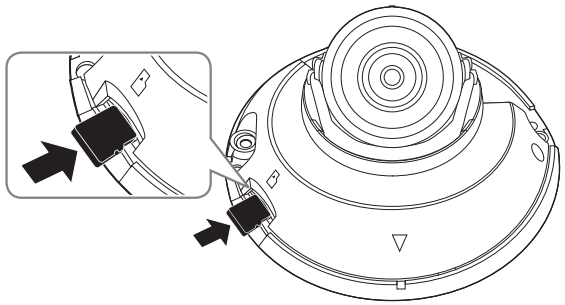
▪ Das Netzkabel von der Kamera abtrennen, bevor die Micro SD-Speicherkarte eingelegt wird.

▪ Die Micro SD-Speicherkarte nicht mit Gewalt einlegen. Prüfen, ob die Karte richtig herum eingelegt wird. Ansonsten kann die Micro SD-Speicherkarte beschädigt werden.

▪ Bei Regen oder hoher Luftfeuchtigkeit empfiehlt es sich nicht, die Micro-SD-Karte einzulegen oder zu entfernen.

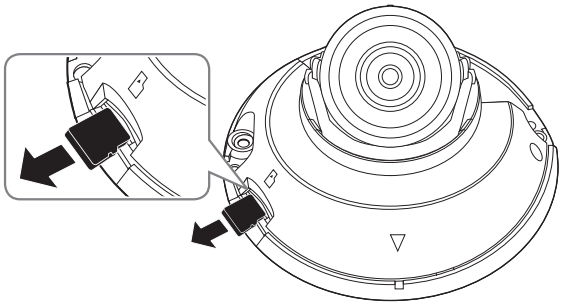
Einlegen einer Micro SD-Speicherkarte

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



Herausnehmen einer Micro SD-Speicherkarte

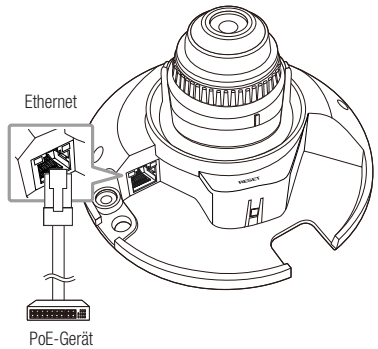
Drücken Sie leicht am ungeschützten Ende der Speicherkarte, wie im Schaubild zu sehen, um die Speicherkarte aus dem Steckplatz auszuwerfen.



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

ZUR ENERGIEVERSORGUNG UND ZUR VERNETZUNG

Verbinden Sie eine Kamera mit der PoE-Ausrüstung.



- Stellen Sie eine Verbindung mit einem PoE-Anschluss für einen PoE (Power over Ethernet) aktivierten Router her.
- Nutzen Sie ein mit IEEE802.3af-Protokollen konformes PoE (Power over Ethernet).

Netzwerkkabel-Spezifikation

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

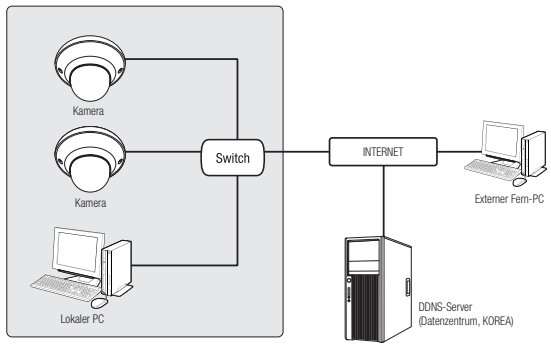
- Wenn Sie ein anderes als ein Kabel nach Kategorie-5e-Standards verwenden, ist eine Übertragungsstrecke von 100 m nicht gewährleistet.

Sie können die Netzwerkeinstellungen gemäß Ihrer Netzwerkkonfigurationen einrichten.

DIREKTES VERBINDEN DER KAMERA AN DAS LAN

Anschluss an die Kamera von einem lokalen PC im LAN

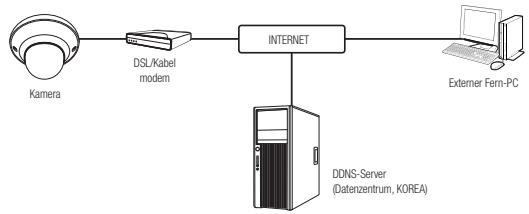
1. Starten sie einen Internetbrowser am lokalen PC.
2. Geben sie die IP-adresse der kamera in die adressenleiste des browsers ein.



<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.
- 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 Nerzwerk- Schnittstelle greifen Sie zwecks besserer Sicherheit auf den Webviewer zu und ändern Sie das Passwort.
- Standardmäßig, wird die IP-Adresse vom DHCP-Server automatisch zugeteilt.
  Wenn keinen DHCP-Server verfügbar ist, wird die IP-Adresse auf 192.168.1.100 gesetzt.
  Verwenden Sie die IP-Adresse, um den IP-Installer zu ändern.
  Weitere Informationen zur Verwendung des IP-Installers finden Sie unter „**Einstellung der statischen IP**". (Seite 13)

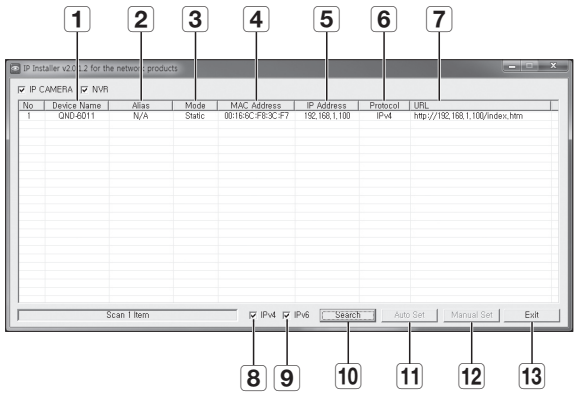
VERBINDEN DER KAMERA DIREKT MIT EINEM DHCP BASIERTEN DSL/ KABELMODEM



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

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

SCHALTFLÄCHEN DES IP-INSTALLATIONSPROGRAMMS



Bezeichnung	Beschreibung
1 **Device Name**	Modellname der verbundenen Kamera. Klicken Sie auf die Spalte, um die Liste nach Modellnamen zu sortieren. Wenn Sie jedoch während einer Suche darauf klicken, wird die Suche gestoppt.
2 **Alias**	Diese Funktion steht zurzeit nicht zur Verfügung.
3 **Mode**	Für den aktuellen Verbindungsstatus des Netzwerkes wird entweder <**Static**> oder <**Dynamic**> angezeigt.
4 **MAC(Ethernet) Address**	Ethernetadresse der verbundenen Kamera. Klicken Sie auf die Spalte, um die Liste nach Ethernetadressen zu sortieren. Wenn Sie jedoch während einer Suche darauf klicken, wird die Suche gestoppt.
5 **IP Address**	IP-Adresse. Klicken Sie auf die Spalte, um die Liste nach IP-Adressen zu sortieren. Wenn Sie jedoch während einer Suche darauf klicken, wird die Suche gestoppt.
6 **Protocol**	Netzwerkeinstellungen der Kamera. Standardmäßig ist „IPv4“ eingestellt. Kameras mit der Einstellung „IPv6“ werden mit „IPv6“ angezeigt.
7 **URL**	DDNS URL-Adresse für den externen Zugriff vom Internet aus. Diese wird jedoch von der <**IP Address**> der Kamera ersetzt, wenn die DDNS-Registrierung fehlschlug.
8 **IPv4**	Sucht nach Kameras mit der Einstellung IPv4.
9 **IPv6**	Sucht nach Kameras mit der Einstellung IPv6. Ist nur in einer IPv6 kompatiblen Umgebung aktiviert.
10 **Search**	Sucht nach Kameras, die zurzeit mit dem Netzwerk verbunden sind. Wenn weder IPv4 noch IPv6 aktiviert sind, wird diese Schaltfläche grau dargestellt.
11 **Auto Set**	Der IP-Installer konfiguriert die Netzwerkeinstellungen automatisch.
12 **Manual Set**	Sie müssen die Netzwerkeinstellungen manuell vornehmen.
13 **Exit**	Damit wird das IP-Installationsprogramm beendet.

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

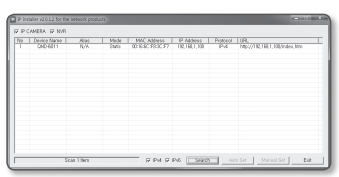
EINSTELLUNG DER STATISCHEN IP

Manuelle Netzwerkeinstellung

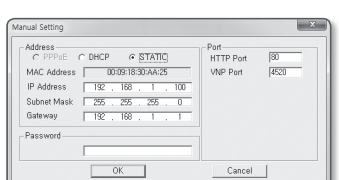
Führen Sie die Datei <**IP Installer_v2.XX.exe**> aus, um die Kamerasuchliste anzuzeigen.
Anfangs werden sowohl [**Auto Set**] als auch [**Manual Set**] grau dargestellt.

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

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.



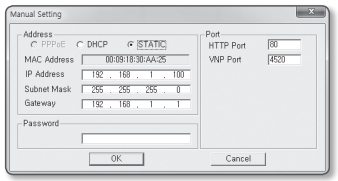
2. Klicken Sie auf [**Manual Set**].
   Das Dialogfenster für die Manual Setting erscheint.
   <**IP Address**>, <**Subnet Mask**>, <**Gateway**>, <**HTTP Port**> und <**VNP Port**> der Kamera werden bei den voreingestellten Werten angezeigt.
3. Geben Sie die nötigen Informationen in dem Fenster <**Address**> 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**>.



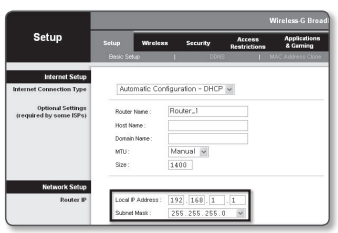
4. Geben Sie die nötigen Informationen in dem Fenster <**Port**> an.
   - HTTP Port : Zum Zugriff auf die Kamera über den Internetbrowser. Standardmäßig ist der Wert 80 eingestellt.
   - VNP Port : Wird verwendet, um die Videosignalübertragung zu steuern. Der Standardwert lautet 4520.
5. Geben Sie das 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 due Portweiterleitung des Breitband Routers, bitte unter “**Portbereichweiterleitung Konfigurieren (Port Mapping)**” nachschlagen. (Seite 15)

Wenn mehrere Kameras mit dem Breitband-Router verbunden sind

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

bsp)

Kategorie		Kamera #1	Kamera #2
IP-Einstellungen	IP Address Subnet Mask Gateway	192.168.1.100 255.255.255.0 192.168.1.1	192.168.1.101 255.255.255.0 192.168.1.1
Port-Einstellungen	HTTP Port VNP Port	8080 4520	8081 4521

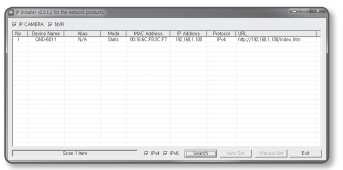
- Wenn der Wert des <**HTTP port**> nicht 80 ist, müssen Sie die <**Port**>-Nummer in die Internetadresszeile eingeben, bevor Sie auf die Kamera zugreifen können.
  bsp) http://IP-Adresse: HTTP-Port
  http://192.168.1.100:8080

Automatische Netzwerkeinstellung

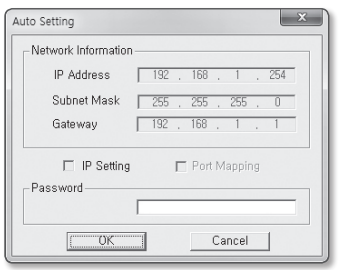
Führen Sie die Datei <**IP Installer_v2.XX.exe**> aus, um die Kamerasuchliste anzuzeigen.
Anfangs werden sowohl [**Auto Set**] als auch [**Manual Set**] grau dargestellt.

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

1. Wählen Sie eine Kamera aus der Suchliste.
   Lesen Sie die MAC-Adresse der Kamera vom Etikett der Kamera ab.
   Die Schaltflächen [**Auto Set**] und [**Manual Set**] sind nun aktiviert.



2. Klicken Sie auf [**Auto Set**].
   Das Dialogfenster für die Auto Setting erscheint.
   Die <**IP Address**>, <**Subnet Mask**> und das <**Gateway**> werden automatisch eingerichtet.
3. Geben Sie das Kennwort ein.
   Geben Sie das Passwort des “**admin**” Kontos für den Zugriff auf die Kamera ein.



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

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

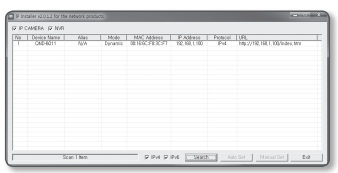
EINSTELLUNG DER DYNAMISCHEN IP

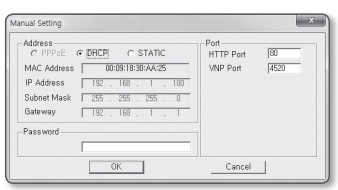
Einstellung der dynamischen IP-Umgebung

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

Die dynamische IP überprüfen

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



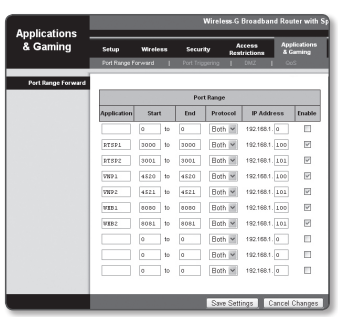


PORTBEREICHWEITERLEITUNG KONFIGURIEREN (PORT MAPPING)

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

Manuelle Portbereichweiterleitung

1. Wählen Sie aus dem 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.



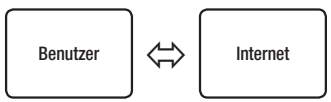
3. Wenn Sie fertig sind, klicken Sie auf [**Save Settings**].
   Ihre Einstellungen werden gespeichert.

- Die 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-Richlinien setzen.
- Ein Benutzer kann jeden Port durch Verwendung des Kamera-Einstellungsbildschirms ändern.

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



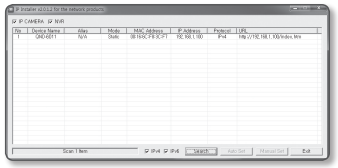
Breitband-Router			
Start	Ende	Protokoll	IP-Adresse
3000	3000	TCP/UDP	192.168.1.100
3001	3001	TCP/UDP	192.168.1.101
4520	4520	TCP/UDP	192.168.1.100
4521	4521	TCP/UDP	192.168.1.101
8080	8080	TCP/UDP	192.168.1.100
8081	8081	TCP/UDP	192.168.1.101

Kamera1 (192.168.1.100)	
HTTP-port	8080
Geräteport	4520
RTSP-port	3000

Kamera2 (192.168.1.101)	
HTTP-port	8081
Geräteport	4521
RTSP-port	3001

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

VON EINEM GEMEINSAMEN LOKALEN PC EINE VERBINDUNG ZU DER KAMERA HERSTELLEN



1. Führen den IP-Installer aus.
   Es wird nach verbundenen Kameras gesucht und eine entsprechende Liste angezeigt.
2. Doppelklicken Sie auf eine Kamera, um auf sie zuzugreifen.
   Der Internetbrowser wird gestartet und stellt eine Verbindung zu der Kamera her.

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

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

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

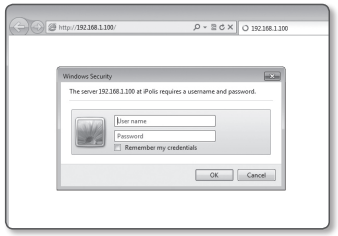
1. Bevor Sie auf eine Kamera im Breitband-Routernetzwerk zugreifen können, sollten Sie die Portbereichweiterleitung für den Breitband-Router eingestellt haben.
2. Starten Sie den Internetbrowser auf dem entfernten Computer und geben Sie die DDNS-URL der Kamera oder die IP-Adresse des Breitband-Routers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

- 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 Addresse (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 Addresse: 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-Addresse: http://ddns.hanwha-security.com/ID
   - Der Anmeldedialog sollte erscheinen.

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

Verbindung über UPnP

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

Verbindung über Bonjour

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

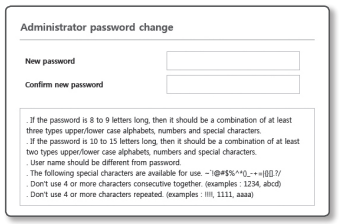
So überprüfen Sie die DDNS-Adresse

Wenn die Kamera direkt mit dem DHCP-Kabelmodem oder DSL-Modem, wird die IP-Adresse Ihres Netzwerks jedes Mal geändert, wenn Sie versuchen eine Verbindung mit dem ISP (Internetserviceanbieter) -Server aufzunehmen.
In diesem Fall werden Sie nicht über die durch DDNS geänderte IP-Adresse informiert.

Sobald Sie ein auf dynamischer IP basierendes Gerät beim DDNS-Server registrieren, können Sie die geänderte IP-Adresse einfach überprüfen, wenn Sie versuchen auf das Gerät zuzugreifen.
Um das Gerät auf dem <**DDNS**> Server zu registrieren, besuchen Sie bitte http://ddns.hanwha-security.com, registrieren Sie zuerst Ihr Gerät stellen Sie anschließen im Net Viewer unter <**Netzwerk**> - <**DDNS**> auf <**Wisenet DDNS**> und geben Sie ebenfalls die <**Produkt-ID**> ein, die Sie bei der DDNS-Registrierung verwendet haben.

PASSWORTEINSTELLUNG

Beim ersten Zugriff auf das Produkt, müssen Sie das Anmelde-Passwort registrieren. Beim Erscheinen des Fensters "**Passwort ändern**", ein neues Passwort eingeben.

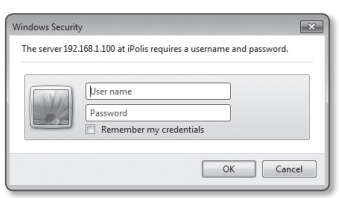


- Für ein neues Passwort mit 8 bis 9 Ziffern müssen Sie mindestens drei der Folgenden verwenden: Groß-/Kleinbuchstaben, Zahlen und Sonderzeichen. Für ein Passwort mit 10 bis 15 Ziffern müssen Sie mindestens zwei dieser Zeichentypen verwenden.
  - Zulässige Sonderzeichen sind. : ~`!@#$%^*()_-+=|{}[].?/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

ANMELDEN

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

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



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

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

EINRICHTUNG VON CAMERA WEB VIEWER

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

SPEZIFIKATIONEN

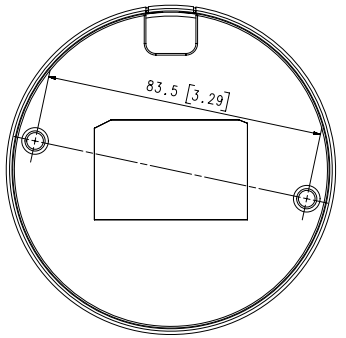
Elemente		Beschreibung	
		QND-6011	QND-6021
Video	Bildaufnahmegerät	1/2.8" 2MP CMOS	
	Effektive Pixel	1920(H) x 1080(V)	
	Mindestbeleuchtung	Farbe : 0,1 Lux (F2.0, 1/30 Sek.)	Farbe : 0,1 Lux (F1.6, 1/30 Sek.)
Objektiv	Brennweite (Zoomrate)	2,8 mm, fester Fokus	4 mm, fester Fokus
	Max. Blendenverhältnis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

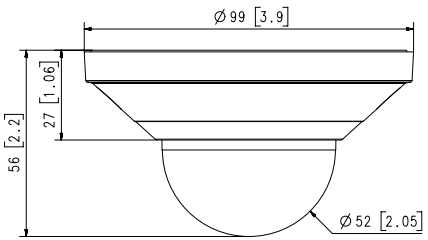
Elemente		Beschreibung	
		QND-6011	QND-6021
Netzwerk	Ethernet	RJ-45 (10/100BASE-T)	
	Videokomprimierungsformat	H.265/H.264 : Main/High, MJPEG	
	Auflösung	1920 x 1080, 1280 x 960, 1280 x 720, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360	
	Max. Framerate	H.265/H.264 : Max 30fps/25fps (60Hz/50Hz) MJPEG : Max 15fps/12fps (60Hz/50Hz)	
	Smart Codec	WiseStreamⅡ	
	Video Qualität Anpassung	H.264/H.265 : Zielbitrate Pegelsteuerung MJPEG : Qualitätslevelsteuerung	
	Bitrate Steuerungsmethode	H.264/H.265 : CBR oder VBR Motion JPEG : VBR	
	Streaming	Unicast (6 Nutzer) / Multicast Multi-Streaming (bis zu 3 Profile)	
	Protokoll	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP	
	Sicherheit	HTTPS (SSL) Authentifizierungsprotokoll Anmelde-Übersicht Authentifizierung IP-Adressfilter Benutzerzugriff Protokoll 802.1X Authentifizierungsmethode (EAP-TLS, EAP-LEAP)	
	Randspeicher	Micro SD/SDHC/SDXC 1slot 128GB	
	Anwendungsprogrammierschnittstelle	ONVIF Profile S/G/T SUNAPI(HTTP API) Offene Wisenet-Plattform	
	Sprache der Webseite	Englisch, Koreanisch, Französisch, Deutsch, Spanisch, Italienisch, Chinesisch, Russisch, Japanisch, Schwedisch, Portugiesisch, Tschechisch, Polnisch, Türkisch, Niederländisch, Hungarisch, Griechisch	
	Web Viewer	Unterstützte Betriebssystem : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Empfohlener Browser: Google Chrome Unterstützte Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit unterstützt), Apple Safari(Mac OS X unterstützt)	
	Speicher	512 MB RAM, 256 MB Flash	

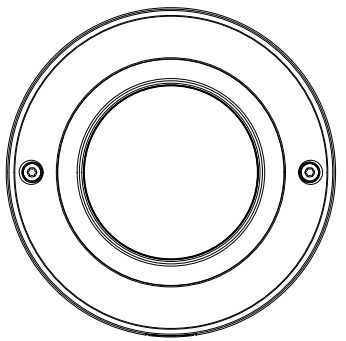
Elemente		Beschreibung	
		QND-6011	QND-6021
Betriebsbedingungen	Betriebstemperatur / Feuchtigkeit	-10°C ~ +55°C (14°F ~ +131°F) / Weniger als 90% rel.Luftfeuchtigkeit	
	Lagerungstemperatur / Feuchtigkeit	-30°C ~ +60°C (-22°F ~ +140°F) / Weniger als 90% rel.Luftfeuchtigkeit	
	Zertifizierung	IP42, IK08	
Elektrisch	Eingangsspannung	PoE(IEEE802.3af, Class2)	
	Energieverbrauch	PoE: Max 4,8 W, typisch 2,8 W	
Mechanisch	Farbe / Materiell	Weiß/Plastik	
	RAL-Code	RAL9003	
	Produktabmessungen/Gewicht	Ø99 x 56 mm (Ø3,9 x 2,2"), 145 g	

PRODUKTANSICHT

Einheit: mm [inch]







FEHLERSUCHE

PROBLEM	LÖSUNG
Wenn Sie unter Safari per HTML auf den Plug-in-freien Webviewer zugreifen, wird kein Video angezeigt.	• Bei dem ersten Zugriff auf HTTPS klicken Sie im Pop-up-Fenster zu Authentifizierung auf "Authentifizierungszertifikat anzeigen" und wählen Sie das Feld "Beim Verbinden zur IP des designierten Webviewers immer vertrauen" aus. • Wenn im Webviewer weiterhin kein Video angezeigt wird, nachdem Sie im Nachrichtenfenster unten "Weiter" ausgewählt haben, klicken Sie auf die Befehlstaste + Q, um den Safari-Browser zu verlassen. Rufen Sie ihn dann erneut auf und folgen Sie den oben angegebenen Schritten.
Ich kann von einem Webbrowser nicht auf die Kamera zugreifen.	• Überprüfen Sie, ob die Netzwerkeinstellungen der Kamera entsprechend sind. • Kontrollieren Sie, oballe Netzwerkkabel korrekt angechlossen wurden. • Prüfen Sie bei einer Verbindung über DHCP, ob die Kamera dynamische IP-Adressen problemlos erhalten kann. • Prüfen Sie, wenn die Kamera mit einem Breitband-Router verbunden ist, ob die Portweiterleitung korrekt konfiguriert ist.
Der Viewer wurde während der Überwachung getrennt.	• Verbundene Viewer werden nach etwaigen Änderungen an der Kamera oder den Netzwerkkonfigurationen getrennt. • Prüfen Sie alle Netzwerkverbindungen.
Es wird kein Video angezeigt, wenn ich auf den Webviewer neu zugreife oder zum Client streamen.	• Die maximal verfügbare Profilanzahl ist 3. Die Verbindung kann unterbrochen werden, wenn Sie 4 oder mehr Profile nutzen. Beispiel) Wenn Sie auf MJPEG, H264 und H265 zugreifen und dann mit einem anderen Profil zugreifen, geht die Verbindung verloren.
Die an das Netzwerk verbundene Kamera wird im IP-Installationsprogramm nicht erkannt.	• Schalten Sie die Firewall-Einstellungen an Ihrem PC aus und suchen Sie dann die Kamera erneut.
Die Bilder überlappen.	• Prüfen Sie, ob zwei oder mehr Kameras auf einer einzigen Multicast-Adresse anstelle verschiedener Adressen festgelegt sind. Wenn eine einzige Adresse für mehrere Kameras verwendet wird, können die Bilder überlappen.
Es wird kein Bild eingeblendet.	• Wenn die Übertragungsmethode auf Multicast festgelegt ist, müssen Sie überprüfen, ob ein Router vorhanden ist der Multicast im LAN, an das die Kamera verbunden ist, unterstützt.

PROBLEM	LÖSUNG
<Bewegungserkennung> des <Analyse> ist auf <Aktivieren> eingestellt, doch haben mich keine E-Mails mit Benachrichtigungen erreicht, selbst wenn ein Analyse-Ereignis eingetreten ist.	• Überprüfen Sie die Einstellungen in der folgenden Reihenfolge: A. Prüfen Sie die Einstellungen unter <Datum & Uhrzeit>. B. Die <Bewegungserkennung> muss auf <Aktivieren> gestellt sein. C. Prüfen Sie, ob die Option <E-mail> im <Ereigniseinrichtung> Menü markiert ist.
Auf die Micro SD Speicherkarte kann nicht aufgenommen werden.	• Auf die SD-Speicherkarte kann nicht aufgenommen werden.
Die Micro SD Speicherkarte ist eingelegt, aber die Kamera funktioniert nicht richtig.	• Überprüfen Sie, ob die Speicherkarte richtig herum eingelegt wurde. Für diese Kamera kann nicht garantiert werden, dass eine Speicherkarte, die mit einem anderen Gerät formatiert wurde, reibungslos funktioniert. • Formatieren Sie die Speicherkarte über das Menü <Setup> → <Ereignis> → <Speicherkapazität>.
Kann nicht in NAS aufnehmen.	• Bestätigen Sie, dass die in NAS registrierten Informationen richtig sind.
Meldet, dass die NAS-Einstellung 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 benutzten.

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GPL SW

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

LGPL SW

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

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Version 2, June 1991

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

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established by T-Engine Forum
on January 23, 2004
revised on June 17, 2004
revised on December 21, 2006
revised on March 24, 2009

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1. This License Agreement sets forth copyrights and the terms and conditions of use applicable to the source code of T-Kernel distributed by T-Engine Forum and any derivative work created therefrom.

Article 2. Definition

1. "T-Kernel" means a real-time operating system controlled and distributed by T-Engine Forum on behalf of the copyright holder thereof.

2. "Source Code" means a source program, including related comments and documentations, for the T-Kernel and the Ported Source Code defined in Article 2.8 which is registered with T-Engine Forum.

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6. "T-Engine Hardware" means the hardware which is manufactured in accordance with the T-Engine Hardware specifications or the µT-Engine Hardware specifications issued by T-Engine Forum, and registered with T-Engine Forum.

7. "Similar Hardware to T-Engine Hardware" means any hardware (including software which emulates hardware) other than that defined in Article 2.6 above, on which the T-Kernel can be operated.

8. "Ported Source Code" means a source program produced from the Source Code by modifying only its Hardwaredependent Part and/or Compiler-dependent Part to enable it to be operated on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware. The Ported Source Code which is registered with T-Engine Forum shall be included in the Source Code.

9. "Modified Source Code" means a source program modified from the Source Code for the purpose of improving its performance, increasing or decreasing its function, and the like. The Ported Source Code shall not be included in the Modified Source Code.

10. "Binary Code" means an executable code form which is created by compiling programs, which include all or part of the Source Code or the Modified Source Code.

11. "Derivative Work" means the Modified Source Code or the Binary Code.

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16. "Patch for Modification" means a difference, program, system, or the like in order to create the Modified Source Code from the Source Code or the Binary Code thereof.

17. "Vicarious Execution of Patch Processing" means vicarious execution service to create the Modified Source Code applying the Patch for Modification to the Source Code or the Binary Code thereof.

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2. to transmit a work to the general public through the Internet communication, broadcasting, and the like automatically in response to a request from the public; and

3. to distribute a copy of a work to the general public or a large number of specific persons.

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2. to run the Source Code provided by T-Engine Forum hereunder for its own research, development and the like.

3. to run the Source Code modified in accordance with the provision of Article 4.3 (1) above for its own research, development and the like.

4. to distribute the Binary Code created from the Source Code provided by T-Engine Forum hereunder or from the Source Code modified in accordance with the provision of Article 4.3 (1) above.

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

1. to perform any and all acts set forth in the Article 4.3 above.

2. to develop and manufacture the Embedded Product containing the Binary Code, and, whether with or without payment, provide the End User with the same and make the Binary Code available to the End User on the Embedded Product.

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2. The Distributor of Modification may create the Modified Source Code based on the Source Code provided by T-Engine Forum and the Patch for Modification to be applied to create such Modified Source Code from the Source Code.

3. The Distributor of Modification shall, prior to the distribution, inform T-Engine Forum of and register a name and description of the Modified Source Code in such a way as specified by T-Engine Forum.

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

5. The Distributor of Modification may distribute the Modified Source Code to a third party, whether with or without payment, provided that the Distributor of Modification shall take the necessary measures to prohibit the third party from making the re-Distribution of the Modified Source Code.

6. Developer with the Patch for Modification. Provided, however, that the Distributor of Modification shall be obligated to confirm that the System Developer is the Source Code User duly licensed under Article 4.1.

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

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

9. The System Developer may, under the same obligation as imposed in Article 4.5, make the Embedded Product available for the End User through use of the Patch for Modification distributed by the Distributor of Modification or the Derivative Works obtained through the Vicarious Execution of Patch Processing.

Article 6. Distribution and Registration of the Ported Source Code

1. The Source Code User and the System Developer may, whether with or without charge, distribute to any third party only the following parts of the Ported Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware:

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

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

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

3. Any member of T-Engine Forum who requests the distribution mentioned in the preceding paragraph shall accede to the following conditions:

1. The member shall confirm that the object hardware is the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.

2. The member shall provide T-Engine Forum with a complete set of operational environment for the object hardware and T-Kernel free of charge when requesting the distribution.

3. The member shall submit test results of the Ported Source Code to T-Engine Forum when requesting the distribution.

4. In the event that T-Engine Forum accepts the request mentioned in Article 6.2, T-Engine Forum shall register and distribute the Ported Source Code as the Source Code for T-Kernel. Provided, however, that the Ported Source Code may be treated in the same way as the Modified Source Code until the time of registration hereunder.

5. The provision set forth in Article 3 shall apply to the Ported Source Code registered in accordance with this Article.

Article 7. Use for Other Purpose

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

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3. Any legal dispute which may arise in relation to any breach of this License Agreement shall be subject to the exclusive jurisdiction of the Tokyo District Court.

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Iperf performance test

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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 (deflate format) and rfc1952.txt (gzip format).



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