

# Schnellanleitung

## Anmeldung einer Kamera WR100B/D am Recorder WR100R oder Monitor WR100M

### Verbindung über LAN:

- Schließen Sie Recorder/Monitor und Kamera an die Spannungsversorgung an.
- Verbinden Sie die Kamera über ein RJ45-Netzwerkkabel mit einem Router/Switch, der ebenfalls mit dem Recorder/Monitor verbunden ist. Kamera und Recorder/Monitor müssen sich im gleichen Netzwerk befinden.



Recorder WR100R/  
Monitor WR100M

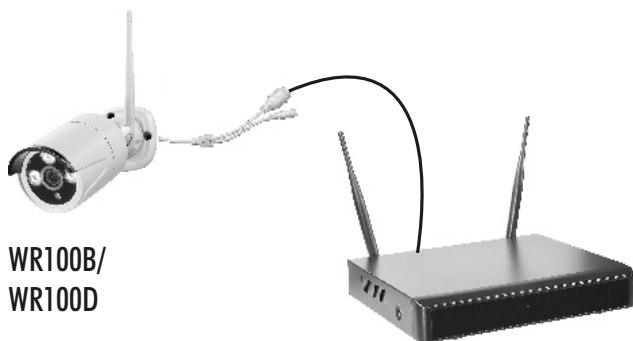
Router/ Switch

WR100B/  
WR100D

- Wählen Sie im Kameramenü das Protokoll [N1] aus und klicken Sie auf [Aktualisieren]. Die Kamera erscheint als "IPCAM" mit einer LAN-IP-Adresse.
- Doppelklicken Sie auf die LAN-IP-Adresse, dadurch wird sie in die untere Liste übertragen. Das Kamerabild erscheint.

### Verbindung über WLAN:

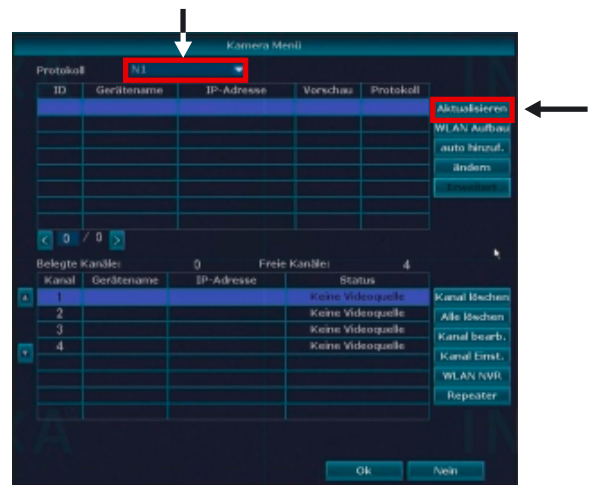
- Schließen Sie Recorder/Monitor und Kamera an die Spannungsversorgung an.
- Verbinden Sie die Kamera über das RJ45-Netzwerkkabel direkt mit dem Recorder/Monitor.



WR100B/  
WR100D

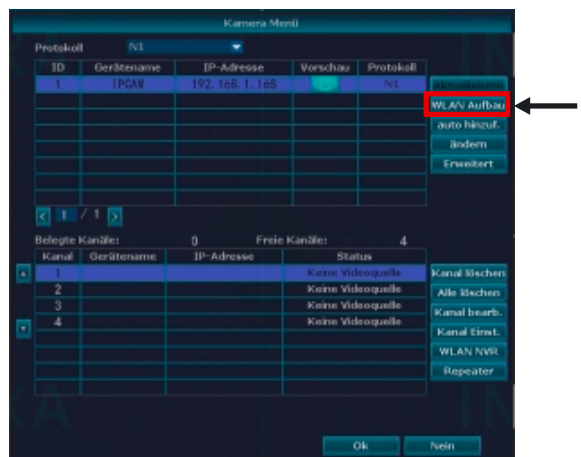
Recorder WR100R/  
Monitor WR100M

- Wählen Sie im Kameramenü das Protokoll [N1] aus und klicken Sie auf [Aktualisieren].

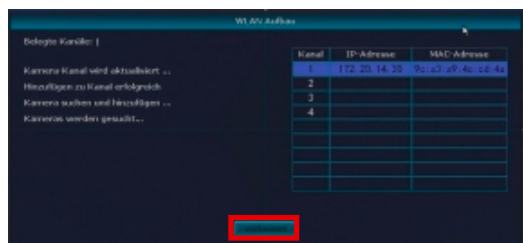


Die Kamera erscheint als "IPCAM" mit der LAN-P-Adresse 192.168.1.xx in der oberen Liste.

- Klicken Sie auf [WLAN Aufbau].



Das folgende Fenster öffnet sich, und die WLAN-Verbindung zwischen Recorder/Monitor und Kamera wird aufgebaut:



Sobald die IP-Adresse erfolgreich auf WLAN (172.xxx...) geändert wurde, erscheint diese auf dem nächsten freien Kanal in der Liste.

- Klicken Sie auf [verlassen]; danach kann das Netzwerkkabel entfernt werden. Das Kamerabild erscheint.

# Full-HD-WLAN-Kuppelkamera

## Bedienungsanleitung

### 1. Einleitung

Lesen Sie diese Bedienungsanleitung vollständig und sorgfältig durch. Die Bedienungsanleitung gehört zu diesem Produkt und enthält wichtige Hinweise zur Inbetriebnahme und Handhabung. Lesen Sie auch die Bedienungsanleitung des Systems durch, mit dem die Netzwerkkamera betrieben wird. Beachten Sie immer alle Sicherheitshinweise. Sollten Sie Fragen haben oder unsicher in Bezug auf die Handhabung der Geräte sein, dann holen Sie den Rat eines Fachmannes ein. Bewahren Sie diese Anleitung sorgfältig auf und geben Sie sie ggf. an Dritte weiter.

### 2. Bestimmungsgemäße Verwendung

Die Full-HD WLAN-Kuppelkamera besteht aus der Kamera WR100D und einem Netzgerät. Die Netzwerkkamera ist ein optionales Zubehör zur Ergänzung des Systems WR100, sie kann jedoch auch mit Hilfe des Access Points WR100E mit einem INDEXA DVR421, 821 oder 1621 (ab Lieferung 2018) bzw. DVR422, 822 oder 622 verwendet werden. Sie ist nicht zur Verwendung als eigenständige Netzwerkkamera konzipiert.

Die WLAN-Einbindung an einen erforderlichen Empfänger (Access Point) WR100R oder WR100E erfolgt im Plug and Play-Verfahren dank Systemcodierung. Die WLAN-Übertragung ist nicht kompatibel mit anderen Access Points oder Repeatern.

Bis zu vier passende Kameras können an einem WR100R oder WR100E betrieben werden.

Die Netzwerkkamera dient zur Überwachung von Objekten (z.B. Räumen, Tür- und Eingangsbereichen, Einfahrten) mit Bild (ohne Ton). Die Bildübertragung erfolgt per WLAN bzw. per LAN.

Die Stromversorgung der Netzwerkkamera erfolgt über das mitgelieferte Netzgerät, angeschlossen an der Spannung 230V ~ AC, 50Hz.

Bei ausreichenden Lichtverhältnissen wird ein Farbbild von der Kamera übertragen. Wird die Umgebungsbeleuchtung zu schwach, schaltet sich automatisch die integrierte Infrarotbeleuchtung ein. Hierbei wird der Nahbereich ausgeleuchtet und das Videobild schaltet für eine bessere Empfindlichkeit in den schwarz/weiß- Modus. Um die Bildqualität bei Tag und Nacht zu optimieren, wird ein interner Filter automatisch bei der Umschaltung ausgetauscht.

Ist eine Überwachung bei Dunkelheit oder bei schlechten Lichtverhältnissen erwünscht, so kann das Bild qualitativ durch zusätzliche Beleuchtung verbessert werden.

Die Kamera ist wetterfest (Schutzart IP66) und somit sowohl zur Überwachung von Innenräumen, als auch zur Montage an einer geschützten Stelle im Außenbereich geeignet. Das Netzgerät muss jedoch vor Feuchtigkeit und Nässe geschützt werden.

Die Kamera ist nicht geeignet für Umgebungen, in denen ein hoher

Salz- oder Säuregehalt (z.B. Ammoniak in Ställen) in der Luft herrscht. Die Überwachungskamera ist für den Betrieb in privaten Haushalten konzipiert. Beachten Sie die Vorschriften bezüglich Videoüberwachung in gewerblichen und öffentlichen Bereichen. Eine Videoüberwachung ersetzt nicht Ihre Sorgfalts-, Vorsorge- oder Aufsichtspflicht.

Jede andere Verwendung oder Veränderung der Geräte gilt als nicht bestimmungsgemäß und birgt erhebliche Unfallgefahren. Der Hersteller haftet nicht für Schäden, die durch nicht bestimmungsgemäßen Gebrauch oder falsche Bedienung verursacht werden.

Dieses Gerät ist nicht dafür bestimmt, durch Personen (einschließlich Kinder) mit eingeschränkten physischen, sensorischen oder geistigen Fähigkeiten oder mangels Erfahrung und/oder mangels Wissen benutzt zu werden, es sei denn, sie werden durch eine für ihre Sicherheit zuständige Person beaufsichtigt oder erhalten von ihr Anweisungen, wie das Gerät zu benutzen ist. Kinder müssen beaufsichtigt werden, um sicherzustellen, dass sie nicht mit dem Gerät spielen.

### 3. Lieferumfang

- Kamera inkl. Halterung und 0,4 m Anschlusskabel für Netzgerät
- Antenne
- Netzgerät mit 2,9 m Kabel
- DC-Adapter
- Abdichtung für Netzwerk-Anschluss
- Befestigungsmaterial für Kamera
- Bedienungsanleitung

### 4. Technische Daten

#### WR100D

Betriebsspannung	12 V $\equiv$ DC (Netzgerät)
Stromaufnahme	max. 600 mA
Bildsensor	1/3" CMOS Sensor
Auflösung	1920 x 1080 p (Full-HD) bei 15 Bildern / Sekunde
Objektiv	4 mm Fix-Objektiv
Erfassungswinkel	ca. 84° horizontal
Lichtempfindlichkeit	0,1 Lux (Farbe) / 0,01 Lux (s/w) / 0 Lux (mit IR)
Ausleuchtung	15x Infrarot-LEDs (850 nm)
Infrarotfilter	automatischer Austausch
Weitsicht bei Nacht	max. 15 m
WLAN	2,4 GHz, 802.11 b/g/n (nur mit WR100R und WR100E)
LAN	RJ45 (nur mit WR100R)
Netzwerkkabel	max. CAT5, AWF23

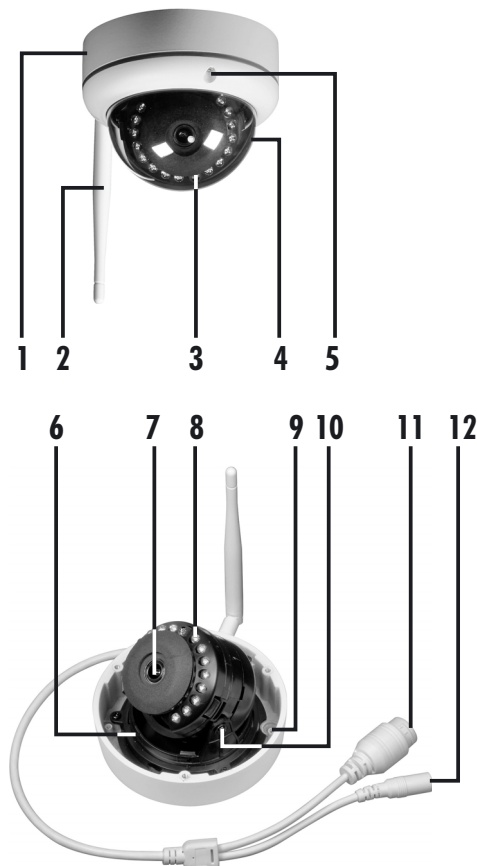
max. Kabellänge	max. 50 m zwischen Kamera und Router/Switch
Anschlusskabel	0,4 m
Schutzart	IP 66
Gehäuseabmessungen (mm)	Ø 108 x 81
Betriebstemperatur	-10° C bis + 40° C

### Netzgerät

Betriebsspannung	230 V ~ 50 Hz
Ausgangsspannung	12 V == DC, 1 A

## 5. Ausstattung

1 Gehäuse (Wand- oder Deckenmontage)	7 Objektiv
2 Antenne	8 IR-LED
3 Dämmerungssensor	9 Befestigungslöcher
4 abgedunkelte Kuppelabdeckung	10 Halterung für Schwenk-Ausrichtung
5 Gehäuseschrauben	11 Netzwerk-Anschluss
6 drehbarer Ausrichtungsring	12 Netzgerät-Anschluss



## 6. Sicherheitshinweise

Die folgenden Hinweise dienen Ihrer Sicherheit und Zufriedenheit beim Betrieb des Gerätes. Beachten Sie, dass die Nichtbeachtung dieser Sicherheitshinweise zu erheblichen Unfallgefahren führen kann.

**⚠ Gefahr!** Bei Nichtbeachtung dieses Hinweises werden Leben, Gesundheit und Sachwerte gefährdet.

- Lassen Sie Kleinkinder nicht unbeaufsichtigt mit dem Gerät, Verpackungsmaterial oder Kleinteilen! Andernfalls droht Lebensgefahr durch Erstickten!

- Beschädigen Sie bei Bohrarbeiten und beim Befestigen keine Leitungen für Gas, Strom, Wasser oder Telekommunikation! Andernfalls droht Lebens-, Verletzungsgefahr!
- Behandeln Sie die Zuleitungen vorsichtig! Verlegen Sie diese so, dass sie nicht beschädigt werden können und keine Stolpergefahr darstellen. Ziehen Sie die Kabel nicht über scharfe Kanten, und quetschen oder klemmen Sie sie nicht anderweitig ein. Andernfalls drohen Lebens- und Verletzungsgefahr!
- Achten Sie bei der Überwachung von Babys oder Kleinkindern darauf, dass die Kamera und das Kabel außer Reichweite des Kindes sind. Andernfalls drohen Lebens- und Verletzungsgefahr!
- Um Verletzungen vorzubeugen, befestigen Sie die Kamera(s) zuverlässig gemäß den Montageanweisungen.
- Verhindern Sie, dass das Netzgerät mit Feuchtigkeit in Berührung kommt und tauchen Sie die Geräte nicht ins Wasser ein! Andernfalls droht Lebensgefahr!
- Betreiben Sie das Gerät ausschließlich mit den vom Hersteller empfohlenen Netzgerät. Vergewissern Sie sich vor dem Spannungsanschluss des Netzgerätes, dass die Spannung vorschriftsmäßig mit 230 V ~ AC, 50 Hz und mit einer vorschriftsmäßigen Sicherung ausgestattet ist.
- Achten Sie darauf, dass sich die Steckdose zur Versorgung des Gerätes in dessen Nähe befindet und leicht zugänglich ist, um das Gerät im Bedarfsfall schnell vom Netz trennen zu können.
- Dieses System erzeugt und verwendet WLAN-Signale. Dies kann eine Störung anderer Geräte zur Folge haben, bzw. das System kann durch andere Geräte gestört werden. Versuchen Sie solche Störungen zu vermeiden, indem Sie die Position der Geräte verändern.
- Setzen Sie das Gerät und das Netzgerät nicht der Nähe von Feuer, Hitze oder lang andauernder hoher Temperatureinwirkung aus!
- Decken Sie das Gerät niemals ab!
- Schützen Sie das Gerät vor starken mechanischen Beanspruchungen und Erschütterungen!
- Schützen Sie das Gerät vor starken magnetischen oder elektrischen Feldern!
- Verwenden Sie das Gerät nur mit den gelieferten Originalteilen oder Originalzubehör!
- Überprüfen Sie vor dem Zusammenbau und der Inbetriebnahme die Lieferung auf Beschädigungen und Vollständigkeit!
- Ziehen Sie bei längerem Nichtbenutzen des Gerätes immer das Netzgerät aus der Steckdose.
- Schließen Sie kein beschädigtes Gerät (z.B. Transportschaden) an. Fragen Sie im Zweifelsfall Ihren Kundendienst. Reparaturen und Eingriffe an den Geräten dürfen nur von Fachkräften durchgeführt werden. Trennen Sie bei Beschädigungen sofort die Netzstromversorgung! Ziehen Sie das Netzgerät aus der Netzsteckdose. Andernfalls droht Lebensgefahr durch Stromschlag und Brand!

## 7. Platzierung

Bevor Sie die Kamera montieren, planen Sie zuerst deren Montagestelle. Überprüfen Sie von dort aus vor der Montage die Funktion der Kamera und die WLAN-Übertragung.

Achten Sie auf folgende Punkte:

- Die Kamera sollte so angebracht werden, dass möglichst kein direktes Licht oder Sonneneinstrahlung auf das Objektiv fällt, ansonsten kann das Bild übersteuert werden. Denken Sie daran, dass die Position der Sonne nicht konstant ist. Überprüfen Sie am besten vor der Montage das Kamerabild. Nehmen Sie hierzu das Gerät in Betrieb und halten Sie die Kamera an die gewünschte Stelle. Verändern Sie bei Bedarf die Kameraposition, bis Sie den optimalen Bildausschnitt gefunden haben.
- Richten Sie die Kamera für die nächtliche Aufnahme nicht nach außen durch ein Glasfenster oder auf helle Gegenstände im Vordergrund, da hierbei das Bild durch Reflexion der Infrarotausleuchtung gestört wird.
- Wählen Sie den Abstand zwischen Kamera und Objekt je nach der gewünschten Detailerkennung aus.
- Wenn Sie automatische Aufnahmen durch Bewegungserkennung starten möchten, dann achten Sie darauf, dass im Kamerabild keine Hintergrundbewegung vorhanden ist wie z. B. Bäume, deren Äste sich im Wind bewegen können.
- Die Kamera besitzt eine Infrarotausleuchtung für den Nahbereich. Diese wird über den Dämmerungssensor geschaltet. Durch eine zusätzliche Beleuchtung der Umgebung bei Nacht können Sie die Bildqualität der Kamera verbessern.
- Achten Sie darauf, dass der Montageort der Kamera möglichst Staub- und vibrationsfrei ist, und dass eine gute Luftzirkulation gegeben ist.
- Achten Sie darauf, dass sich in der Nähe der Kamera eine Steckdose befindet. Optional können Sie ein Verlängerungskabel verwenden oder ein Einbaunetzgerät (s. Kapitel "Optionales Zubehör").
- Wollen Sie die Kamera (IP66) im Außenbereich montieren:
  - sollte der Montageort nach Möglichkeit vor direktem Regeneinfall geschützt sein.
  - muss das Netzgerät im Innenbereich sein.
  - müssen die Steckerverbindungen zum Netzgerätkabel und ggf. zum Netzkabel so geschützt werden, dass keine Nässe in die Verbindungen gelangen kann (verwenden Sie hierzu auch die mitgelieferten Dichtungen).
  - achten Sie darauf, dass sich eine geeignete Durchführungsmöglichkeit für das Netzgerätkabel (und ggf. für das Netzkabel oder ein Antennenverlängerungskabel -s. Kapitel "Optionales Zubehör") am Montageort befindet.
  - achten Sie bei WLAN-Nutzung der Kamera darauf, dass sie eine gute WLAN-Verbindung zum WR100R/ Repeater WR100E hat. Für eine bessere Verbindung kann ein Antennenverlängerungskabel auf der Wandinnenseite platziert werden (s. Kapitel "Optionales Zubehör").
- Die Steckerverbindungen der Kamera müssen sich in einem vor unbefugtem Zugriff geschützten Bereich befinden.

### • WLAN-Reichweite

Die Anzahl der Funkkanäle, die im WLAN zur Verfügung stehen, ist begrenzt. Die Kanäle werden nicht nur von WLAN-Kameras sondern auch von anderen aktiven WLAN-Geräten wie Smartphones oder Notebooks genutzt. In der Regel können bis zu acht WLAN- oder andere Funkgeräte in einem Objekt (im 2,4 GHz Bereich) betrieben werden. Der Betrieb muss deshalb getestet werden, bevor die Kameras endgültig montiert werden.

Die maximale WLAN-Reichweite der Funkübertragung beträgt ca. 100 m bei Sichtkontakt zwischen Kamera-Antenne und WR100R / WR100E. Sie ist jedoch abhängig von der Umgebung. In Gebäuden ist die Reichweite durch Wände (insbesondere Stahlbeton-Wände) und Decken deutlich geringer (typisch max. 20 m). Eine Garantie für diese WLAN-Reichweite ist jedoch nicht möglich, da die örtlichen Gegebenheiten am Aufstellungsort diese negativ beeinflussen können. Eine Verschlechterung der Reichweite ist z.B. zu erwarten durch folgende Einflüsse:

- Wände und Decken, insbesondere solche aus Stahlbeton oder Metall
- Blechflächen z.B. Kühlschrank, Blechregale
- Beschichtete Fenster (z.B. Energiespar-Fenster), Heizkörper, Metallflächen
- Starke elektrische Felder und andere Funkgeräte, z. B. Mikrowellenherde, Funktelefone, Handys, Funk-Geräte im 2,4 GHz Bereich, elektrische Motoren und Starkstromleitungen.
- Geräte auf der gleichen oder benachbarten Funk-Frequenz (z.B. ein WLAN-System, Funk-Wetterstation, Funk-Thermostat)

### Was können Sie für eine Verbesserung tun?

- Verwenden Sie bei der Montage ein optional erhältliches Antennenverlängerungskabel und montieren Sie die Antenne auf der Wandinnenseite (s. Kapitel "Optionales Zubehör").
- Jede Kamera kann optional zusätzlich als WLAN-Repeater verwendet werden (max. 3 Kameras in Reihe).
- Verwenden Sie einen optional erhältlichen WLAN-Repeater / Access Point WR100E (s. Kapitel "Optionales Zubehör").
- Achten Sie darauf, dass bei mehreren Kameras diese nicht zu nah beieinander montiert sind.
- Ist eine WLAN-Verbindung nicht aufzubauen, ist eine Verbindung über Netzkabel erforderlich.

## 8. Inbetriebnahme

### 1. Anschluss der Kamera

- Drehen Sie die Antenne [2] auf die Antennenbuchse.
- Drehen Sie die Antenne so, dass sie möglichst senkrecht steht.
- Verbinden Sie den Kleinspannungsstecker des Kamera-Netzgerätes mit dem Netzgerät-Anschluss [12] der Kamera.

### 2. Anmeldung der Kamera

#### Hinweis:

Nach ca. 10 Minuten im LAN-Betrieb wird das WLAN der Kamera automatisch ausgeschaltet, bis das LAN-Kabel wieder entfernt wird.

Es können bis zu insgesamt 4 passende Kameras mit dem WR100R betrieben werden.

### Verbindung über LAN:

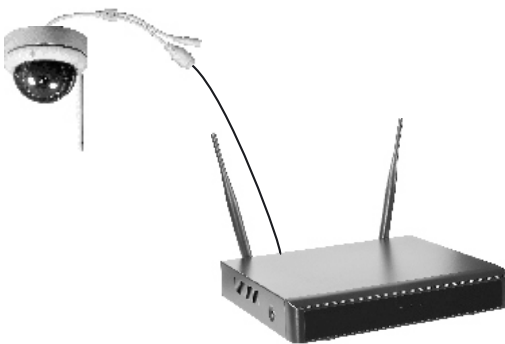
- Schließen Sie Recorder und Kamera an die Spannungsversorgung an. Die LED am Netzwerkanschluss der Kamera blinkt grün.
- Verbinden Sie die Kamera über ein RJ45-Netzwerkkabel und einen Router (nicht im Lieferumfang enthalten) mit dem Recorder. Kamera und Recorder müssen sich im gleichen Netzwerk (Router) befinden. Wenn Sie die Kamera per LAN im Freien betreiben möchten, verwenden Sie zur Abdichtung der Netzwerkkabel-Verbindung die mitgelieferte Dichtung.



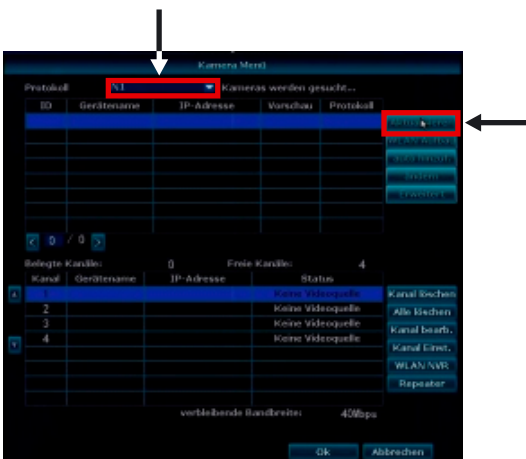
- Wählen Sie im Menü der Kamera das Protokoll "N1" aus und klicken Sie auf "Aktualisieren". Die LAN-IP-Adresse erscheint.
- Doppelklicken Sie auf die LAN-IP-Adresse, dadurch wird sie in die untere Liste übertragen. Nun wird das Kamerabild angezeigt.

### Verbindung über WLAN:

- Schließen Sie Recorder und Kamera an die Spannungsversorgung an.
- Verbinden Sie die Kamera über das RJ45-Netzwerkkabel direkt mit dem Recorder.

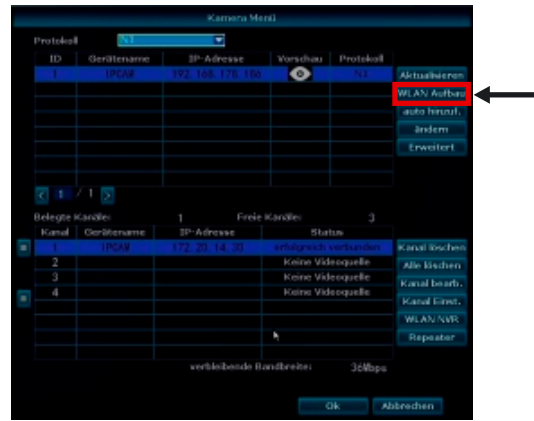


- Wählen Sie im Menü der Kamera das Protokoll "N1" aus und klicken Sie auf "Aktualisieren".

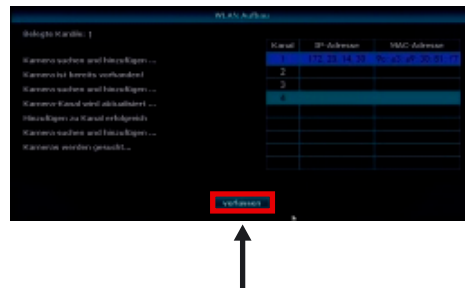


Die LAN-IP-Adresse wird angezeigt.

- Klicken Sie einmal auf die LAN-IP-Adresse und danach auf "WLAN Aufbau".



Das folgende Fenster öffnet sich und WLAN wird aufgebaut:



Sobald die IP-Adresse erfolgreich auf WLAN (172.xxx...) geändert wurde, erscheint diese auf dem nächsten freien Kanal in der Liste.

- Klicken Sie auf "verlassen"; danach kann das Netzwerkkabel entfernt werden. Das Kamerabild erscheint.
- Dichten Sie den Netzwerk-Anschluss der Kamera mit der mitgelieferten Dichtung und zusätzlich einem Kabelrest zur vollständigen Abdichtung ab.

### Anmeldung an einem INDEXA DVR

Um die Kamera mit einem INDEXA DVR über WLAN betreiben zu können, verwenden Sie einen zusätzlich erhältlichen WR100E als Access Point.

- Dichten Sie die Netzwerkkabel-Verbindung der Kamera mit der mitgelieferten Dichtung und zusätzlich einem Kabelrest zur vollständigen Abdichtung ab.
- Stecken Sie das Kamera-Netzgerät in eine geeignete Steckdose.
- Nehmen Sie den WR100E in Betrieb, melden Sie die Kamera am WR100E an und fügen Sie die Kameras am DVR hinzu, wie in der Anleitung des WR100E ab Kapitel "Inbetriebnahme" beschrieben.

## 9. Montage der Kamera

Die Kamera kann an der Wand oder an der Decke montiert werden.

- Lösen Sie die drei Gehäuseschrauben [5] mit dem mitgelieferten Torxschlüssel an.
- Heben Sie vorsichtig die Kuppelabdeckung [4] vom Gehäuse [1].
- Entfernen Sie die Gummistöpsel von den Befestigungslöchern, und markieren Sie die drei zu bohrenden Löcher [9] an der Montagestelle.

- Befestigen Sie das Gehäuse mit den mitgelieferten Schrauben und ggf. Dübeln an der Montagestelle, und setzen Sie die Gummistöpsel wieder darauf.
- Richten Sie das Objektiv vertikal und horizontal [10/6] aus.
- Befestigen Sie die Kuppelabdeckung mit den Gehäuseschrauben wieder auf dem Gehäuse.

## 10. Einstellungen

Kamerabild-Einstellungen können direkt am Recorder vorgenommen werden.

Weitere Einstellungen der Kamera sind nicht über den Recorder einstellbar, sondern nur über den Internet-Explorer direkt über die IP-Adresse (z. B. Privatsphärenbereiche, Auflösung und Passwort), s. folgende Kapitel.

## 11. Privatsphärenbereich

Um einen Privatsphärenbereich einzurichten, muss die Kamera per LAN im Netzwerk erreichbar sein. Geben Sie hierzu die IP-Adresse der Kamera im Browser ein. Wählen Sie "Privacy", und stellen Sie den gewünschten Bereich entsprechend ein.

## 12. Zugriff über Browser

Hinweise:

- Die Kamera WR100D muss über Netzkabel per LAN an einen Router/Switch im gleichen Netzwerk wie der PC angeschlossen sein.
- Der Zugriff ist nur über Internet-Explorer möglich.
- Verbinden Sie die Kamera per LAN mit dem PC/Netzwerk (Router/Switch).
- Geben Sie im Internet-Explorer die IP-Adresse der Kamera ein (die LAN-IP-Adresse der Kamera ist auslesbar im Recorder).
- Benutzername der Kamera ist "admin", in der Werkseinstellung ist kein Passwort vergeben.

## 13. Wartung und Reinigung

- Das Gerät ist wartungsfrei: Öffnen Sie es deshalb niemals.
- Überprüfen Sie regelmäßig die technische Sicherheit und die Funktion.
- Ziehen Sie vor der Reinigung das Netzgerät aus der Steckdose.
- Äußerlich darf das Gerät nur mit einem weichen, nebelfeuchten Tuch oder Pinsel gereinigt werden. Dies sollte ab und zu vor allem bei den Kameras getan werden, da Schmutz das Sichtfeld einschränkt bzw. nachts Reflexionen verursachen kann (z. B. durch ein Spinnennetz).
- Das Kuppelgehäuse der Kamera WR100D muss ganzflächig mit einem Mikrofasertuch gereinigt werden, um nachts interne Reflexionen der Infrarotausleuchtung zu verhindern.

## 14. Optionales Zubehör

- WLAN-Repeater/Access Point WR100E inkl. Netzgerät. Art.Nr. 26603
- WLAN-Repeater/Access Point WR100EW mit eingebautem Netzgerät, im wetterfesten Gehäuse. Art.Nr. 26608
- DC-Verlängerungskabel DC10, schwarz (DC-Stecker auf DC-Kupplung), Länge 10 m. Art.Nr. 32118
- Unterputz-Netzgerät Orbit-12/2000V 12 V DC / 2 A für handelsübliche UP-Dose, IP64, Ø 54 x 32 mm. Art.Nr. 32163
- Antennenverlängerungskabel für Kamera inkl. Wandhalterung zur Durchführung durch die Wand und Montage im Gebäude: DWAK-3M, Länge 3 m, Dämpfung 2,4 dB, Art.Nr. 27902  
DWAK-6M, Länge 6 m, Dämpfung 4,8 dB, Art.Nr. 27903

## 15. Entsorgung



Die durchgestrichene Mülltonne bedeutet, dass Sie gesetzlich verpflichtet sind, diese Geräte einer vom unsortierten Siedlungsabfall getrennten Erfassung zuzuführen.

Die Entsorgung über die Restmülltonne oder die gelbe Tonne ist untersagt. Sie haben Altbatterien und Altkumulatoren, die nicht vom Altgerät umschlossen sind, sowie Lampen, die zerstörungsfrei aus dem Altgerät entnommen werden können, vor der Abgabe an einer Erfassungsstelle vom Altgerät zerstörungsfrei zu trennen. Den zuständigen Recyclinghof bzw. die nächste Sammelstelle erfragen Sie bei Ihrer Gemeinde oder unter <https://www.ear-system.de/ear-verzeichnis/sammel-und-ruecknahmestellen>. Außerdem besteht die Möglichkeit der kostenfreien Rücknahme über Ihren Händler. Das Löschen eventuell vorhandener privater Daten vor der Entsorgung obliegt Ihnen als Nutzer.

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Fehler	Ursache / Behebung
Kamera wird über "Aktualisieren" nicht gefunden	Die Kamera befindet sich nicht im gleichen Netzwerk. Ändern Sie dies.
	Kamera hat keine Stromversorgung. Schließen Sie sie an die Stromversorgung an.
	Schließen Sie die Kamera über LAN an (über Netzwerk/direkt am NVR) und suchen Sie sie erneut (evtl. WLAN aufbauen)
Bei Bewegungserkennung werden ungewollt Bilder aufgenommen bzw. Nachrichten versendet	Bewegung von Bäumen und Pflanzen, schnelle Licht- und Schattenänderungen, Schnee und Regen, bei Nacht Insektenflug. Reduzieren Sie die Empfindlichkeit der Bewegungserkennung oder maskieren Sie die Bildbereiche.
Kamerabild ist weg	WLAN IP-Adresse zeigt nach 10 Minuten kein Bild mehr an bei LAN-Verbindung; Suchen Sie die LAN IP-Adresse und fügen Sie sie hinzu
	Verbindung ist zu schwach; verwenden Sie ggf. eine Antennenverlängerung, einen Repeater oder versetzen Sie die Kamera
Ton geht nicht an	Kamera überträgt keinen Ton
Schwarzer senkrechter Streifen im Bild / Bild hat einen Rosa-Stich	Klopfen Sie leicht auf das Kameragehäuse oder dunkeln Sie kurzzeitig mit der Hand die Kameravorderseite ab bzw. trennen Sie die Kamera kurzfristig vom Netzstrom. Die Ursache des Streifens ist ein "Hänger" des Filter-Schwenkmechanismus, der insbesondere durch falsche Orientierung bzw. durch Bewegen der Kamera verursacht wird.
Bild neblig bei Nacht	Schmutz oder Staub vor dem Kameraobjektiv. Reinigen Sie das Gehäuse ganzflächig mit einem Mikrofasertuch

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