

**WISENET**

# **KAMERA SIECIOWA**

Instrukcja obsługi

QNB-6002/QNB-8002



# Kamera Sieciowa

## Instrukcja obsługi

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### Prawa autorskie

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Wszystkie znaki handlowe wymienione w niniejszym dokumencie są zastrzeżone. Nazwa niniejszego produktu i inne znaki handlowe wymienione w niniejszym podręczniku są zastrzeżonymi znakami handlowymi odpowiednich właścicieli.

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- ❖ Konstrukcja i dane techniczne urządzenia mogą ulec zmianie bez powiadomienia.
- ❖ Początkowym ID administratora jest "admin" a hasło powinno zostać ustawione podczas pierwszego logowania.  
Dla zabezpieczenia informacji i zapobieżenia szkodom, hasło należy zmieniać co trzy miesiące.  
Proszę pamiętać, że odpowiedzialność za bezpieczeństwo i wszelkie szkody wynikające z braku dbałości o hasło.

## WAŻNE ZALECENIA DOTYCZĄCE BEZPIECZEŃSTWA

- Należy przeczytać poniższe zalecenia.
- Należy zachować je do wglądu.
- Należy przeczytać wszystkie ostrzeżenia.
- Należy przestrzegać wszystkich zaleceń.
- Nie używać urządzenia w pobliżu wody.
- Zabrudzoną powierzchnię produktu wyczyść miękką, suchą szmatką lub wilgotną szmatką.  
(Do not use a detergent or cosmetic products that contain alcohol, solvents or surfactants or oil constituents as they may deform or cause damage to the product.)
- Nie blokować żadnych otworów wentylacyjnych. Montować zgodnie z instrukcją producenta.
- Nie montować w pobliżu źródeł ciepła takich jak grzejniki, kratki nagrzewnic lub innych urządzeń (w tym wzmacniaczy) emitujących ciepło.
- Nie lekceważyć zabezpieczenia wynikającego ze stosowania wtyczek spolaryzowanych lub z uziemieniem. Wtyczka spolaryzowana ma dwa bolce, z których jeden jest szerszy od drugiego. Wtyczka z uziemieniem ma trzy bolce, z czego jeden jest uziemiający. Szerszy lub odpowiednio trzeci bolec stosuje się w celu zapewnienia bezpieczeństwa. Jeśli dostarczona wtyczka nie pasuje do gniazda, skontaktuj się z elektrykiem w celu wymiany przestarzałego gniazda.
- Przewód zasilający przy wtyczkach, oprawach oraz w miejscach, gdzie wystają one z urządzenia należy zabezpieczyć przed możliwością nadeptania lub przyciśnięcia.
- Używać wyłącznie elementów dodatkowych/akcesoriów zalecanych przez producenta.
- Kamery należy używać tylko z wózkiem, podstawą, statywem, uchwytem lub stołem zalecanym przez producenta lub sprzedawanym z kamerą. W przypadku użycia wózka podczas przemieszczania zestawu wózek-urządzenie należy zachować ostrożność, aby uniknąć obrażeń spowodowanych jego wywróceniem.
- W czasie burzy z wyładowaniami atmosferycznymi lub w przypadku nieużywania urządzenia przez dłuższy czas należy odłączyć urządzenie od zasilania.
- Wszelkie naprawy należy zlecać wykwalifikowanemu personelowi serwisu. Naprawy są konieczne gdy urządzenie zostało uszkodzone w jakikolwiek sposób, np. gdy uszkodzony jest przewód zasilający lub wtyczka, do środka urządzenia przedostał się płyn lub ciała obce, urządzenie miało kontakt z deszczem lub wilgocią, nie funkcjonuje normalnie lub spadło.
- Ten produkt przeznaczony jest do zasilania z listwowego zasilacza oznaczonego symbolami „Klasa 2” lub „LPS” o mocy od 12 VDC, 0,5 A lub PoE, 0,13 A. (QNB-6002)
- Ten produkt przeznaczony jest do zasilania z listwowego zasilacza oznaczonego symbolami „Klasa 2” lub „LPS” o mocy od 12 VDC, 0,5 A lub PoE, 0,13 A. (QNB-8002)
- Ten produkt jest przeznaczony do zasilania przez izolację.
- Użycie zbyt dużej siły podczas instalacji produktu może doprowadzić do uszkodzenia i nieprawidłowego działania kamery.  
Instalacja produktu przy użyciu siły i nieodpowiednich narzędzi może doprowadzić do jego uszkodzenia.
- Produktu nie należy instalować w miejscu, w którym mogą występować lub powstawać substancje chemiczne lub mgły olejowe. Oleje jadalne, takie jak olej sojowy, mogą uszkodzić lub odczłuszczyć produkt, w związku z czym nie należy instalować go w kuchni lub w pobliżu blatu kuchennego.  
W przeciwnym razie produkt może ulec uszkodzeniu.
- Podczas instalacji produktu należy uważać, aby jego powierzchnia nie została zabrudzona substancjami chemicznymi.  
Niektóre substancje chemiczne zawierające rozpuszczalniki lub kleje mogą powodować poważne uszkodzenie powierzchni produktu.



- W przypadku instalacji lub demontażu produktu w sposób inny niż zalecany nie można zagwarantować prawidłowego działania funkcji i wydajności produktu.  
Zainstaluj produkt, zapoznając się z rozdziałem „Instalacja i podłączanie (Installation and connection)” w podręczniku użytkownika.
- Instalacja lub eksploatacja produktu w wodzie może doprowadzić do jego poważnego uszkodzenia.
- To urządzenie zostało zweryfikowane przy użyciu kabla STP. Zalecane jest użycie odpowiedniego uziemienia GND i kabla STP w celu skutecznej ochrony produktu i mienia przed przepięciami przejściowymi, piorunami i przerwami w komunikacji.

## OSTRZEŻENIE

ABY ZMNIĘJSZYĆ RYZYKO POŻARU LUB PORAŻENIA PRĄDEM ELEKTRYCZNYM, NIE NALEŻY WYSTAWIAĆ URZĄDZENIA NA DZIAŁANIE WODY ANI WILGOCI. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

Nie należy narażać urządzenia na kapanie lub rozlewanie płynów. Na urządzeniu nie należy stawiać przedmiotów wypełnionych cieczą np. wazonów.

Aby zapobiec obrażeniu, urządzenie należy dobrze przymocować do ściany/sufitu, zgodnie z instrukcjami montażu.

## UWAGA

	<b>UWAGA</b> NIEBEZPIECZEŃSTWO PORAŻENIA PRĄDEM. NIE OTWIERAĆ	
<b>UWAGA : ABY ZMNIĘJSZYĆ RYZYKO PORAŻENIA PRĄDEM NIE USUWAĆ OBUDOWY (ANI CZĘŚCI TYLNEJ). NIE MA CZĘŚCI PRZEZNACZONYCH DO NAPRAWY PRZEZ UŻYTKOWNIKA. NALEŻY SKONTAKTOWAĆ SIĘ Z WYKWALIFIKOWANYM PERSONELEM SERWISU.</b>		

## WYJAŚNIENIE SYMBOLI GRAFICZNYCH



Równoboczny trójkąt ostrzegawczy ze znakiem błyskawicy zakończony strzałką przestrzega przed “niebezpiecznym napięciem” wewnątrz urządzenia, które może mieć wystarczająco wysokie natężenie, aby stanowić zagrożenie porażenia prądem elektrycznym.



Trójkąt równoboczny z wykrzyknikiem to symbol wskazujący, że dokumentacja dołączona do urządzenia zawiera ważne instrukcje dotyczące obsługi i konserwacji (serwisowania).

## Klasa I konstrukcji

Urządzenie z konstrukcją KLASA I należy podłączać do gniazda SIECI ELEKTRYCZNEJ za pomocą zabezpieczonych przewodów uziemiających.

## Akumulator

Akumulatorów (znajdującego się w urządzeniu zestawu akumulatorów lub akumulatora) nie należy wystawiać na działanie zbyt wysokiej temperatury, np. promieni słonecznych, ognia itp.

Nie można wymienić baterii.

## Odlączanie urządzenia

Jeśli urządzenie jest uszkodzone, odłącz je z sieci zasilającej. Wezwij także lokalnego technika serwisowego.

**Jeśli urządzenie jest używane poza granicami Stanów Zjednoczonych, może być stosowane ze wtyczkami z kodami atestów odpowiednich urzędów.**

## UWAGA

Istnieje ryzyko eksplozji, jeśli użyto baterii niewłaściwego typu. Zużyte baterie utylizować zgodnie z zaleceniami.

Poniższe instrukcje serwisowania są przeznaczone wyłącznie na użytek wykwalifikowanych pracowników serwisu.

Ze względu na zagrożenie porażeniem prądem elektrycznym osoby nieposiadające odpowiednich kwalifikacji nie powinny wykonywać czynności serwisowych innych niż opisane w poniższej instrukcji.

Terminal VIDEO służy łatwiejszej instalacji oraz nie jest zalecany dla celów monitoringu.

Należy doprowadzać zasilanie wejściowe tylko do jednej kamery i nie należy do niego podłączać innych urządzeń.

**ITE należy podłączać tylko do sieci PoE bez trasowania do zewnętrznego zakładu.**

Należy uważnie przeczytać poniższe zasady bezpieczeństwa.

- Nie należy umieszczać tego urządzenia na nierównej powierzchni.
- Urządzenia nie należy instalować na powierzchni wystawionej bezpośrednio na działanie promieni słonecznych, w pobliżu grzejników lub w miejscach o bardzo niskiej temperaturze.
- Nie umieszczać urządzenia w pobliżu materiałów przewodzących.
- Nie należy samodzielnie podejmować prób naprawy urządzenia.
- Na urządzeniu nie należy stawiać pojemników z wodą.
- Produktu nie należy instalować w pobliżu urządzeń emitujących pola magnetyczne.
- Nie zasłaniać otworów wentylacyjnych.
- Na urządzeniu nie należy kłaść ciężkich przedmiotów.
- Podczas instalacji i demontażu kamery należy używać rękawic ochronnych. Wysoka temperatura powierzchni produktu może spowodować poparzenia ciała.

Instrukcja obsługi zawiera wytyczne dotyczące użytkowania produktu.

W niniejszej instrukcji obsługi informacje są oznaczone jako.

- Informacje dodatkowe : wytyczne dotyczące użytkowania produktu
  - Uwaga : informacje o występowaniu ryzyka uszkodzenia produktu lub obrażenia użytkownika w wyniku nieprzestrzegania instrukcji
- ※ W celu zapewnienia bezpieczeństwa przed rozpoczęciem korzystania z urządzenia należy zapoznać się z poniższą instrukcją obsługi i przechowywać ją w bezpiecznym miejscu.

Nie gwarantujemy jakości produktów innych firm (np. soczewek, akcesoriów), które kupowane są osobno.

W niektórych środowiskach montażowych mogą wystąpić zakłócenia w komunikacji radiowej. W przypadku wystąpienia zakłóceń fal elektromagnetycznych między produktem a urządzeniem komunikacji radiowej zaleca się zachowanie pewnej odległości między nimi lub zmianę kierunku anteny odbiorczej.

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## ZAŁECANE SPECYFIKACJE KOMPUTERA PC

- Procesor: Intel(R) Core(TM) i7 3.4 GHz lub wyższy
- Pamięć RAM: 8 GB lub więcej
- Zalecana przeglądarka: Chrome
- Obsługiwane przeglądarki: Chrome, Safari, Firefox, MS Edge(chromium based)
- Obsługiwany system operacyjny: Windows, Mac, Linux, Android, iOS, Chrome
- Weryfikacja środowiska
  - Windows 10: Google Chrome w wersji 80 lub nowszej, Firefox w wersji 72 lub nowszej, MS Edge w wersji 83 lub nowszej
  - Mac 10.13/14: Safari w wersji 11.0.1 lub nowszej
- ※ Wydajność odtwarzania wideo w przeglądarce internetowej zależy od wydajności procesora i karty graficznej użytkownika.

## SPECYFIKACJA ZAŁECANYCH KART PAMIĘCI MICRO SD/SDHC/SDXC







- Zalecana pojemność: Zalecana pojemność: od 16 do 128 GB (Wymagany typ MLC)
- Zaleceni producenci: SanDisk, Transcend
- Rodzaj produktu: Wysoka wytrzymałość
- Zgodność zależy od producentów i typów kart.

## SPECYFIKACJA ZAŁECANA PRZEZ NAS

- Zalecana pojemność: Zalecane jest 200GB lub więcej.
- Dla tej kamery zalecane jest wykorzystanie NAS z następującą specyfikacją fabryczną.  
Zalecane produkty: Urządzenia sieciowe Netgear NAS, Synology NAS

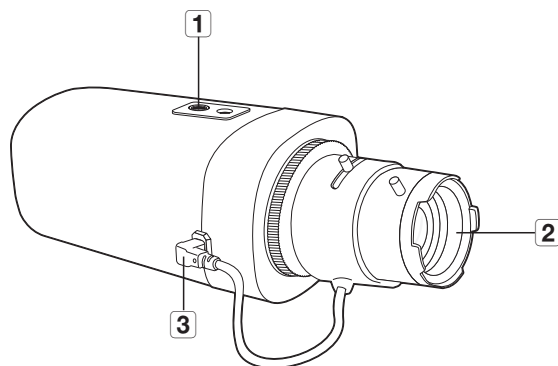
## CO ZNAJDUJE SIĘ W OPAKOWANIU


Należy sprawdzić, czy w opakowaniu znajduje się kamera oraz wszystkie akcesoria.  
(Akcesoria nie są identyczne i zależą od kraju sprzedaży)


Wygląd	Nazwa elementu	Liczba	Opis
	Kamera	1	
	Skrócona instrukcja obsługi (Opcjonalny)	1	
	Przewód monitora sprawdzającego	1	Służy do sprawdzania kamery poprzez podłączenie do przenośnego wyświetlacza
	Blok złącza 6-pozycyjnego	1	Używane w przypadku złącza wejścia/wyjścia alarmu
	Mocowanie obiektywu	2	Instalowane między kamerą a obiektywem w celu regulacji ostrości
<b>Opcje (kupowane osobno)</b>			
	Obiektyw CS/C		Opcjonalny obiektyw, który można zamontować na kamerze

## SPOJRZENIE NA KAMERĘ

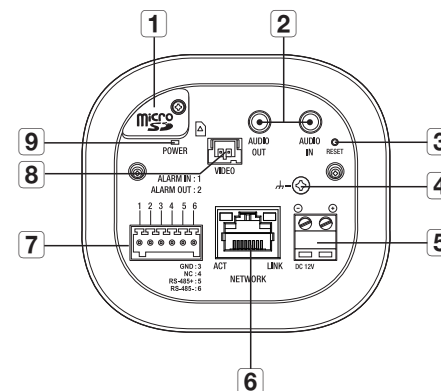
Przód



Element	Opis
<b>1</b> Otwór na śrubę mocującą uchwyt	Służy do zamocowania kamery w uchwycie. <ul style="list-style-type: none"> <li>Rozmiar śruby: Specyfikacja dla śrub używanych do zamocowania kamery do podstawy. 1/4" - 20 UNC L: 4,5 mm ± 0,2 mm (standard ISO) lub 0,197" (Standard ASA)</li> </ul> 
<b>2</b> Obiektyw Auto Iris (opcjonalny)	Instalowany na przejściówce obiektywu.
<b>3</b> Łącznik obiektywu Auto Iris	Służy do doprowadzania zasilania i sygnału wyjściowego w celu sterowania przysłoną obiektywu.


-  Uchwyt mocujący jest kupowany oddzielnie.  
Więcej informacji na temat używania uchwytu mocującego można znaleźć w dokumentacji produktu.

Tył



Element	Opis	
<b>1</b> Gniazdo karty pamięci Micro SD	Gniazdo karty pamięci Micro SD.	
<b>2</b> Złącze audio	AUDIO OUT	Służy do podłączania głośników.
	AUDIO IN	Służy do podłączania mikrofonu.
<b>3</b> Przycisk Reset	Ten przycisk przywraca wszystkie ustawienia kamery do wartości domyślnych. Naciśnij i przytrzymaj przez około 5 sekund, aby uruchomić system ponownie. <ul style="list-style-type: none"> <li>W przypadku zresetowania kamery ustawienia sieciowe zostaną dostosowane tak, aby możliwe było włączenie protokołu DHCP. Jeśli w sieci nie ma serwera DHCP, należy uruchomić program Device Manager, aby zmienić podstawowe ustawienia sieciowe, takie jak adres IP, maska podsieci, brama itp., zanim będzie można połączyć się z siecią.</li> </ul>	
<b>4</b> Gniazdo uziemienia zabezpieczające przed wyładowaniami atmosferycznymi	Bezpiecznie rozładowuje prądy wyładowań atmosferycznych na zewnątrz w celu ochrony kamery.	
<b>5</b> Gniazdo zasilania	Służy do podłączania kabla zasilającego.	

Element	Opis	
<b>6</b> Gniazdo Sieć	Służy do podłączania przewodu PoE lub Ethernet w celu uzyskania połączenia z siecią.	
<b>7</b> Gniazdo wej./wyj. alarmu	ALARM IN	Służy do podłączenia czujnika alarmu lub zewnętrznego czujnika dzień/noc.
	ALARM OUT	Służy do podłączenia sygnału wyjściowego alarmu.
	GND	Służy do uziemiania.
	RS-485+	Linia danych RS-485
	RS-485-	Linia danych RS-485
<b>8</b> Wideo wyjście	Port wyjścia służący do testowego monitoringu wyjścia wideo. Przy użyciu przewodu testowego monitora podłącz do przenośnego wyświetlacza i sprawdź testowy obraz wideo.	
<b>9</b> Wskaźniki zasilania	POWER	Wł. : Gdy włączone jest zasilanie
		Wyt. : Gdy zasilanie jest wyłączone

-  ■ Port RS-485 obsługuje tylko bezpośrednie połączenie ze sterownikiem panoramowania/odchylania, nie są obsługiwane zewnętrzne połączenia kontrolera RS-485.



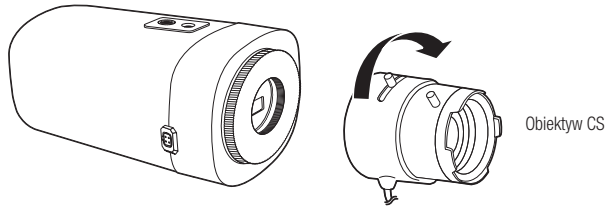
## MONTOWANIE OBIEKTYWU

Przed przystąpieniem do dalszych czynności, należy odłączyć zasilanie.

- Obiektyw C/CS i adapter mocujący C nie stanowią zawartości opakowania z produktem. Do tego celu należy używać wyłącznie teleobiektywu.

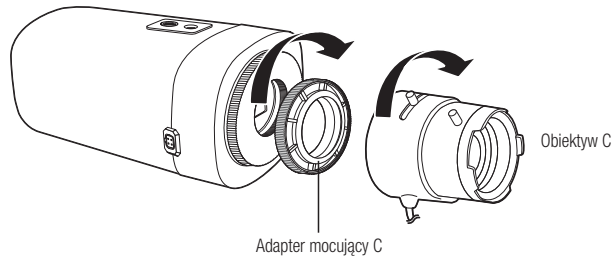
### Przymocowywanie obiektywu z uchwytem typu CS do kamery

Aby zamocować, obrócić obiektyw w prawo.



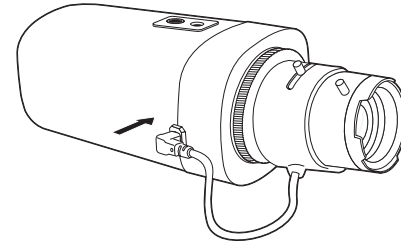
### Przymocowywanie obiektywu z uchwytem typu C do kamery

Obróć adapter mocujący C i obiektyw C zgodnie z ruchem wskazówek zegara.



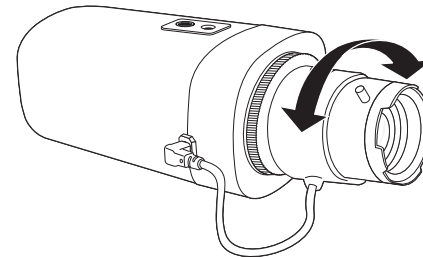
### Podłączenie łącznika obiektywu Auto Iris

Wetknąć łącze przesyłony obiektywu do wtyku na kamerze.



### Ustawianie ostrości

Wybrać obiekt filmowania, ustawić powiększenie obiektywem, i ustawić ostrość aby obiekt był dobrze widoczny.



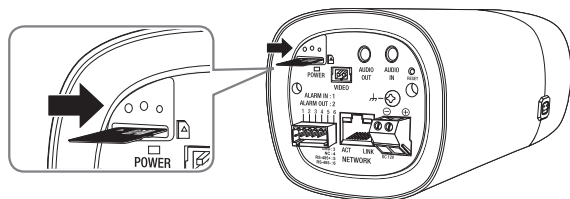
- Jeśli nie możesz wyregulować ostrości, włóż jedno lub dwa mocowania obiektywu między kamerą a obiektywem, zamontuj je, a następnie ponownie wyreguluj ostrość.

## WKŁADANIE/WYJMOWANIE KARTY PAMIĘCI MICRO SD

- ! ■ Przed włożeniem karty pamięci Micro SD odłącz kabel zasilania od kamery.
- Nie wkładaj na siłę karty pamięci Micro SD, jeśli jest ona ustawiona odwrotnie. Mogłoby to ją uszkodzić.

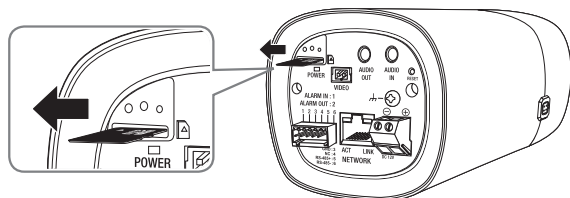
### Wkładanie karty pamięci Micro SD

Przesuń kartę pamięci Micro SD w kierunku wskazanym strzałką na rysunku.



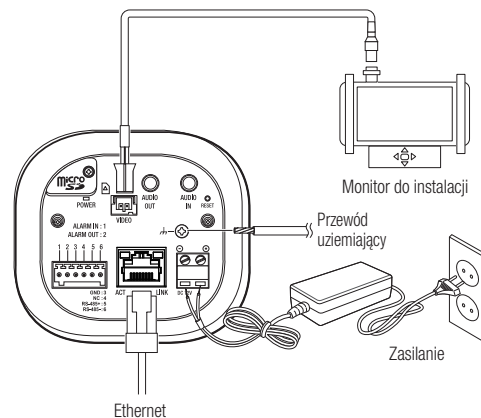
### Wymywanie karty pamięci Micro SD

Aby wysunąć kartę pamięci z gniazda, delikatnie naciśnij wystającą jej część tak, jak to jest widoczne na schemacie.



- ! ■ Aby wyjąć kartę pamięci Micro SD, odłączyć zasilanie, przejść do <Pamięć> i przycisnąć przycisk [Zastosuj].
- W przypadku wyłączenia kamery lub wyjęcia karty pamięci Micro SD, która zawiera dane z produktu, dane te mogą ulec utracie lub zniszczeniu.

## PODŁĄCZANIE INNEGO URZĄDZENIA



- ! ■ Terminal VIDEO służy łatwiejszej instalacji oraz nie jest zalecany dla celów monitoringu.

### Połączenie typu Ethernet

Podłącz kabel Ethernet do sieci lokalnej lub do Internetu.

### Źródło zasilania

Za pomocą wkrętaka podłącz poszczególne przewody (+, -) kabla zasilającego do odpowiednich portów zasilania kamery.

- ! ■ Można także użyć routera z funkcją PoE, aby dostarczyć zasilanie do kamery.
- Użyj funkcji PoE, zgodnej z protokołami IEEE 802.3af.
- Podczas podłączania kabla zasilającego należy zwrócić uwagę, aby nie odwrócić biegunowości.
- Aby podłączyć urządzenie zewnętrzne, należy wyłączyć je przed kontynuowaniem.

## Specyfikacja kabla zasilającego dla każdego z modeli

W przypadku DC 12V Wejście:

Przewód (AWG)	#22	#20
Długość kabla (Maks.)	18 m	28 m

## Specyfikacja kabla sieciowego

Przedmiot	Zawartość	Uwagi
Łącze	RJ45	
Ethernet	10/100Base-T	10/100 Mbps
Kabel	Kategoria 5e	
Odległość maks.	100M	
Obsługa PoE	IEEE 802.3af	

## Uziemienie urządzenia

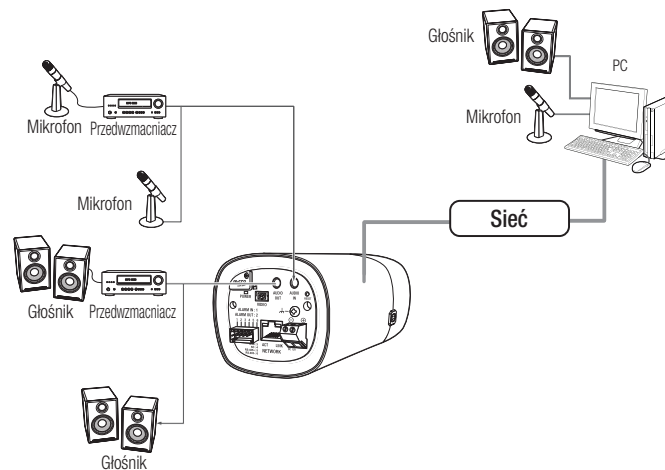
Za pomocą śrubokręta podłącz kabel uziemienia do zacisku uziemienia umieszczonego ponad zaciskiem wejścia.

- ! Uziemienie chroni urządzenie przed skokiem napięcia lub piorunem.
- Przed wykonaniem podłączenia do uziemienia należy odłączyć zasilanie urządzenia.

## Zalecany przewód uziemiający

- Długość: Mniej niż 3m
- yy Przekrój: 18 AWG lub większy  
Np. UL1007 AWG 18/16, UL1015 AWG18/16/14/12, UL2468 AWG18/16/14

## Schemat blokowy wejść i wyjść audio

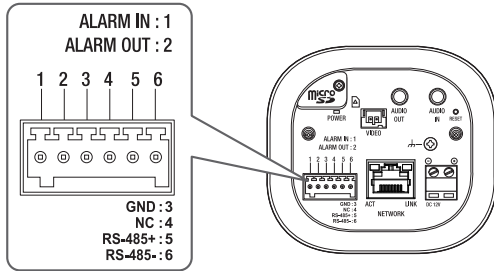


- Połącz port AUDIO IN kamery z mikrofonem lub portem LINE OUT wzmacniacza, do którego podłączony jest mikrofon, z bezpośrednim łączem mikrofonu.
- Połącz port AUDIO OUT kamery z głośnikiem lub portem LINE IN wzmacniacza, do którego podłączony jest głośnik.
- Sprawdź informacje o wyjściu audio w danych technicznych.

- **Kodek Audio**
  - Wejście audio : G.711 PCM (Szybkość transmisji: 64kbps / Częstotliwość próbkowania : 8kHz), G.726 ADPCM (Szybkość transmisji: 16Kbps, 24Kbps, 32Kbps, 40Kbps / Częstotliwość próbkowania: 8kHz)
  - Wyjście audio : G.711 PCM (Szybkość transmisji: 64kbps / Częstotliwość próbkowania: 8kHz)
- **Dźwięk w trybie pełnego duplexu**
- **Wejście audio** : Wejście liniowe (typu Jack 3,5 mm, mono), Obsługiwane napięcie: 2,5 VDC (4 mA), Impedancja wejściowa: 2 kΩ
- **Wyjście audio** : Wyjście liniowe (typu Jack 3,5 mm, mono), Maksymalna moc wyjściowa: 1 Vrms
- **Impedancja wyjścia liniowego** : 600omów

## Podłączenie gniazd wej./wyj.

Podłącz sygnał wej./wyj. alarmu do odpowiedniego portu na tylnym panelu gniazd.



- ALARM IN : Służy do podłączenia czujnika alarmu lub zewnętrznego czujnika drzwi/noc.
- ALARM OUT : Służy do podłączania sygnału wyjściowego alarmu.
- GND : Służy do uziemiania.
- RS-485+ : Port komunikacji dla odbiornika RS-485 (+).
- RS-485- : Port komunikacji dla odbiornika RS-485 (-).

## Podłączenie urządzenia zewnętrznego RS-485

Podłącz kamerę do urządzenia zewnętrznego za pomocą portów [RS-485 +, -].

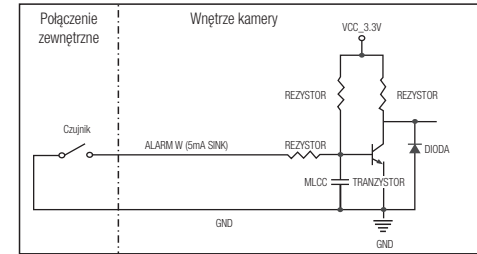
Możesz sterować panoramowaniem/odchyleniem kamery za pomocą portów komunikacji RS-485.

- W przypadku komunikacji za pomocą interfejsu RS-485 zalecane jest stosowanie połączenia GND. Jeśli wystąpi usterka komunikacji, należy podłączyć styk GND we właściwy sposób w celu skorygowania poziomu GND pomiędzy kamerą i urządzeniem zewnętrznym.

## Podłączenie zewnętrznego czujnika

Podłącz jedną żyłę z każdego przewodu sygnału (dwużyłowego) czujnika do portu [ALARM IN] i podłącz pozostałą żyłę przewodu do portu [GND].

### Alarm w schemacie obwodów

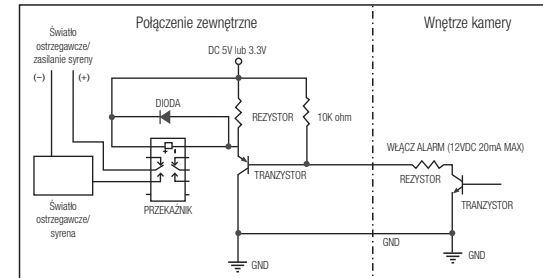


### Aby odłączyć alarm

Podłączenie urządzeń (np. światło pulsacyjne oraz alarm dźwiękowy), które przekraczają wartości napięcia i natężenia prądu określone w specyfikacji metodą otwartego kolektora, może spowodować nieprawidłowości w działaniu.

Sprawdź schemat połączeń alarmów zamieszczony poniżej podczas podłączania urządzenia przekraczającego wskazane znamionowe wartości prądu i napięcia.

### Włącz alarm schematu obwodów

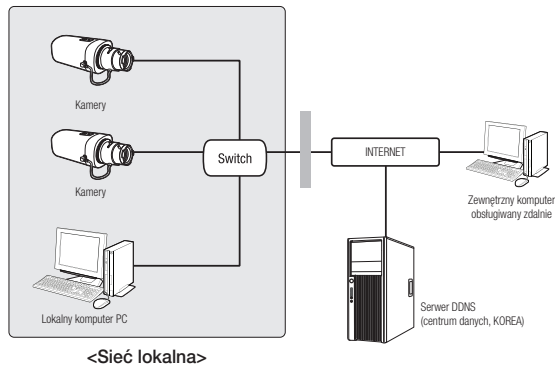


Można skonfigurować ustawienia sieciowe zgodnie z charakterystyką sieci użytkownika.

## PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO SIECI LOKALNEJ

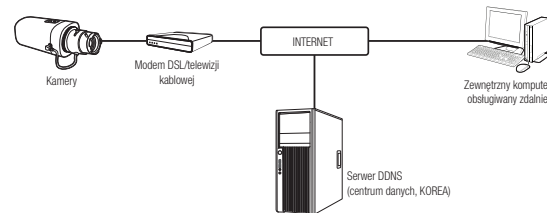
### Podłączanie do kamery lokalnego komputera PC przyłączonego do sieci lokalnej

1. Uruchom na lokalnym komputerze PC przeglądarkę internetową.
2. Na pasku adresu przeglądarki wpisz adres IP kamery.



- Zdalny komputer PC podłączony do zewnętrznej sieci Internet poza siecią lokalną może nie połączyć się z kamerą podłączoną do intranetu, jeśli przekazywanie portów nie zostanie prawidłowo ustawione lub gdy działa zapora. W takim wypadku, aby rozwiązać problem, należy skontaktować się z administratorem sieci.
- Domyślnym ustawieniem fabrycznym jest automatyczne przydzielanie adresu IP przez serwer DHCP. Jeśli serwer DHCP nie jest dostępny, adres IP zostanie ustawiony na 192.168.1.100. Aby zmienić adres IP, użyj programu Device Manager. Aby uzyskać więcej informacji nt. korzystania z programu Device Manager, patrz „Korzystanie z programu Device Manager”. (Strona 14)

## PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO MODEMU DSL/TELEWIZJI KABLOWEJ OPARTEGO NA PROTOKOLE DHCP

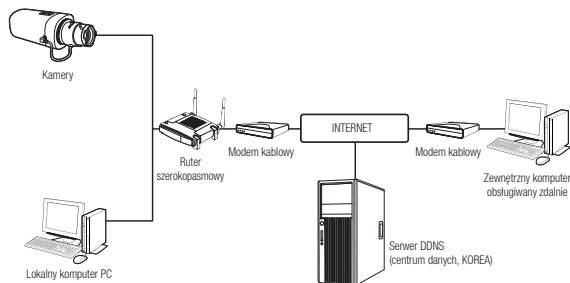


1. Połączenie użytkownika PC bezpośrednio z kamerą sieciową.
2. Uruchom program Device Manager i zmierz adres IP kamery, aby móc korzystać z przeglądarki internetowej na pulpicie, aby połączyć się z internetem.
3. Uzyskaj połączenie z przeglądarką Web Viewer za pomocą przeglądarki internetowej.
4. Przejdź do strony **[Ustawienia]**.
5. Przejdź do opcji **[Sieć] – [DDNS]** i skonfiguruj ustawienia DDNS.
6. Przejdź do **[Basic] – [IP & Port]** i ustaw typ IP do **[DHCP]**.
7. Podłącz odłączoną od komputera kamerę, bezpośrednio do modemu.
8. Uruchom kamerę ponownie.

- Informacje na temat sposobu konfiguracji DDNS można znaleźć w systemie pomocy online przeglądarki Web Viewer.
- Informacje na temat sposobu ustawiania formatu IP można znaleźć w systemie pomocy online przeglądarki Web Viewer.

## PODŁĄCZANIE KAMERY DO RUTER SZEROKOPASMOWY Z MODEMEM KABLOWYM

Taki sposób instalacji najlepiej sprawdza się w niewielkich sieciach, np. w domu, małym biurze, biurze domowym albo w sklepie.



### Konfigurowanie ustawień sieciowych komputera PC lokalnego w stosunku do Ruter szerokopasmowy

W celu skonfigurowania ustawień sieciowych komputera PC lokalnego w stosunku do Ruter szerokopasmowy należy wykonać czynności opisane poniżej.

- Wybierz : <Network> → <Properties> → <Local Area Connection> → <General> → <Properties> → <Internet Protocol (TCP/IP)> → <Properties> → <Obtain an IP address automatically> lub <Use the following IP address>.
- W przypadku wybrania opcji <Use the following IP address> należy wykonać czynności opisane poniżej:
  - Np. 1) Jeśli adres (adres IP w sieci lokalnej) Ruter szerokopasmowy to 192.168.1.1  
Adres IP : 192.168.1.100  
Maska podsieci : 255.255.255.0  
Brama domyślna : 192.168.1.1
  - Np. 2) Jeśli adres (adres IP w sieci lokalnej) Ruter szerokopasmowy to 192.168.0.1  
Adres IP : 192.168.0.100  
Maska podsieci : 255.255.255.0  
Brama domyślna : 192.168.0.1
  - Np. 3) Jeśli adres (adres IP w sieci lokalnej) Ruter szerokopasmowy to 192.168.xxx.1  
Adres IP : 192.168.xxx.100  
Maska podsieci : 255.255.255.0  
Brama domyślna : 192.168.xxx.1

- Aby uzyskać adres Ruter szerokopasmowy, należy zająć do jego dokumentacji.
- Aby uzyskać więcej informacji na temat przekierowywania portu routera szerokopasmowego, patrz część "Konfigurowanie Przekazywania Zakresu Portów (Mapowania Portów)", (Strona 16)

## KORZYSTANIE Z PROGRAMU DEVICE MANAGER

- Program Device Manager można pobrać z menu <Technical Guides> – <Online Tool> w witrynie Hanwha Techwin (<http://www.hanwha-security.com>).
- Więcej instrukcji programu Device Manager można znaleźć w menu <Pomoc> na stronie głównej.

## AUTOMATYCZNE WYSZUKIWANIE KAMERY

Jeśli kamera jest podłączona do tej samej sieci komputera PC, na którym jest zainstalowany Device Manager, możesz znaleźć kamerę sieciową za pomocą funkcji wyszukiwania.

- Kliknij <Wyszukaj> na stronie głównej programu Device Manager.
- Sprawdź kamerę z listy.
  - Sprawdź adres MAC na naklejce dołączonej do kamery.

## USTAWIENIA HASŁA

Pierwsze użycie produktu wiąże się z koniecznością rejestracji loginu i hasła.

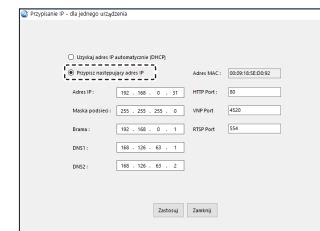
## KONFIGUROWANIE ADRESU IP

Jeśli chcesz zmienić ustawienia sieci kamery, znak <Logowanie OK> musi być widoczny w <Status>. Kliknij <Uwierzytelnianie> na stronie głównej, aby się zalogować.

### Konfigurowanie statycznego IP

Ręcznie wstaw i skonfiguruj adres IP i informacje o porcie.

- Kliknij kamerę z listy dla której chcesz zmienić ustawienia IP.
- Kliknij <IP Assign (Przypisz IP)> na stronie głównej programu Device Manager.
- Wybierz <Przypisz następujący adres IP>.
  - Informacje IP kamery zostaną wyświetlone zgodnie z poprzednim ustawieniem.
- Wypełnij kategorie związane z IP & Port.



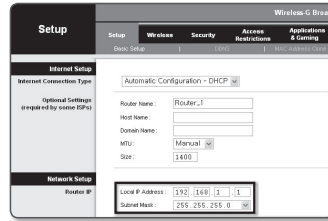
### Jeżeli nie jest używany Ruter szerokopasmowy

Zapytaj o ustawioną wartość menedżera sieci <Adres IP>, <Maska podsieci>, <Brama>.

- HTTP Port : Umożliwia dostęp do kamery za pomocą przeglądarki internetowej; domyślna wartość to 80.
- RTSP Port : Port sterujący strumieniowaniem w czasie rzeczywistym. Początkowa wartość to 554.

## Jeżeli używany jest Ruter szerokopasmowy

- IP Address : Wpisz adres mieszczący się w zakresie IP podanym przez Ruter szerokopasmowy.  
Np. 192.168.1.2~254, 192.168.0.2~254, 192.168.XXX.2~254
- Subnet Mask : Opcja <Subnet Mask> Ruter szerokopasmowy będzie także stanowić <Subnet Mask> kamery.
- Gateway : Opcja <Local IP Address> Ruter szerokopasmowy będzie także stanowić <Gateway> kamery.



- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego rutera.
- Aby uzyskać więcej informacji na temat przekierowywania portu rutera szerokopasmowego, patrz część "Konfigurowanie Przekazywania Zakresu Portów (Mapowania Portów)", (Strona 16)

## Jeżeli do Ruter szerokopasmowy jest podłączonych więcej niż jedna kamera

Skonfiguruj ustawienia powiązane z adresem IP oraz portem osobno.

Np.

	Kategoria	Kamera 1	Kamera 2
Ustawienia związane z IP	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
Ustawienia związane z portem	HTTP Port	8080	8081
	RTSP Port	554	555

- Jeżeli opcja <HTTP Port> ma inną wartość niż 80, należy podać numer <Port> w pasku adresu przeglądarki internetowej, aby móc uzyskać dostęp do kamery.  
Np. http://Adres IP; port HTTP  
http://192.168.1.100:8080

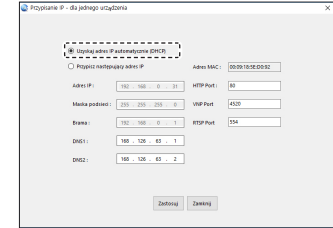
5. Kliknij przycisk [Zastosuj].
6. Jeśli wyświetlona zostanie wiadomość o powodzeniu, kliknij [OK].

## Konfigurowanie dynamicznego IP

Odbierz adres IP z DHCP.

- Przykład środowiska dynamicznego IP
  - Jeżeli do Ruter szerokopasmowy IP z podłączonymi kamerami zostanie przypisany adres IP przez serwer DHCP
  - Jeżeli kamera zostanie podłączona bezpośrednio do xDSL lub modemu kablowego za pomocą protokołów DHCP
  - Jeżeli adresy IP są przypisywane przez wewnętrzny serwer DHCP przez sieć LAN

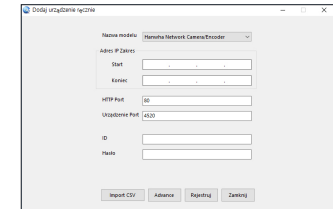
1. Kliknij kamerę z listy dla której chcesz zmienić ustawienia IP.
2. Kliknij <IP Assign (Przypisz IP)> na stronie głównej programu Device Manager.
3. Wybierz <Uzyskaj adres IP automatycznie (DHCP)>.
4. Kliknij przycisk [Zastosuj].
5. Jeśli wyświetlona zostanie wiadomość o powodzeniu, kliknij [OK].



## RĘCZNA REJESTRACJA KAMERY

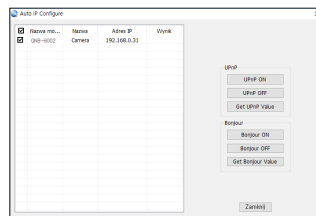
Jeśli nie można znaleźć kamery za pomocą funkcji wyszukiwania, kamerę można zarejestrować zdalnie, ręcznie wprowadzając informacje o IP, jeśli kamera jest podłączona do sieci zewnętrznej.

1. Kliknij <Dodaj urządzenie> – <Dodaj urządzenie ręcznie> na stronie głównej programu Device Manager.
2. Wstaw zakres szukanego adresu IP.
3. Wybierz <Nazwa modelu> zarejestrowanej kamery i wstaw port HTTP, ID oraz hasło.
4. Kliknij przycisk [Rejestruj].
5. Sprawdź, czy kamera jest zarejestrowana.
  - Sprawdź adres MAC na naklejce dołączonej do kamery.



## AUTOMATYCZNA KONFIGURACJA IP

1. Kliknij kamerę z listy dla której chcesz automatycznie skonfigurować IP.
2. Kliknij < + > na głównej stronie programu Device Manager.
  - Pojawi się menu ustawień sprzętu.
3. W menu kliknij <Auto IP Configure (Auto konfiguracja IP)>.
4. Kliknij przycisk [Zamknij].

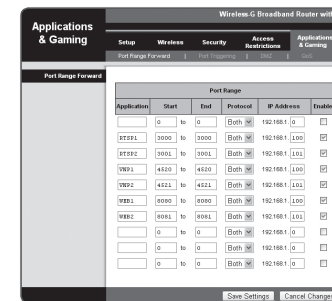


## KONFIGUROWANIE PRZEKAZYWANIA ZAKRESU PORTÓW (MAPOWANIA PORTÓW)

Jeżeli zainstalowany jest Ruter szerokopasmowy z podłączoną kamerą, należy ustawić przekazywanie zakresu portów na Ruter szerokopasmowy, aby zdalny komputer mógł uzyskać dostęp do kamery za jego pośrednictwem.

### Ręczne przekazywanie zakresu portów

1. Z menu Konfiguracja Ruter szerokopasmowy, wybierz opcję <Applications & Gaming> - <Port Range Forward>. W celu ustawienia przekazywania zakresu portów dla routera innego producenta należy zapoznać się z instrukcją obsługi tego Ruter szerokopasmowy.
2. Wybierz opcję <TCP> oraz <UDP Port> dla każdej kamery podłączonej do Ruter szerokopasmowy. Numer każdego portu, który ma zostać skonfigurowany do routera IP, należy ustawić zgodnie z numerem portu określonym w menu <Ustawienia> - <Basic> - <IP & Port> w przeglądarce Web Viewer kamery.
3. Po zakończeniu kliknij opcję [Save Settings]. Ustawienia zostaną zapisane.



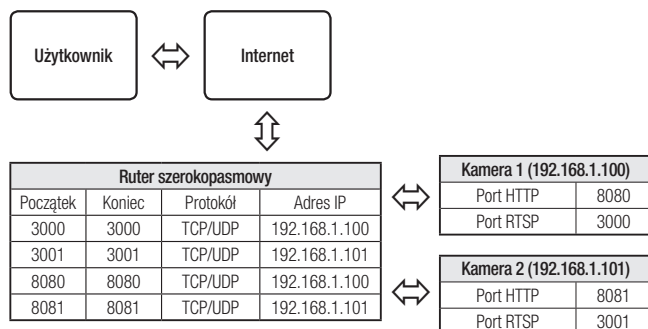
- Ustawienie przekierowania portu jest przykładem ustawienia routera IP CISCO.
- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego routera.



## Konfigurowanie opcji Przekazywanie zakresu portów dla kilku kamer sieciowych

- Użytkownik może ustawić przekierowanie portu na Ruter szerokopasmowy na stronie internetowej konfiguracji.
- Użytkownik może zmienić każdy port za pomocą ekranu ustawień kamery.

W przypadku podłączenia Kamery 1 i Kamery 2 do rutera :



- Przekierowanie portów może zostać ustawione bez dodatkowych ustawień routera, jeżeli router obsługuje funkcję UPnP (Universal Plug and Play).  
Po podłączeniu kamery sieciowej zaznacz pole wyboru w menu <Szybkie podłączenie> w oknie <Wisenet DDNS> w "Ustawieniach -> Sieć -> DDNS".

## PODŁĄCZANIE DO KAMERY ZA POMOCĄ UDOSTĘPNIONEGO LOKALNEGO KOMPUTERA

1. Uruchom program Device Manager.  
Aplicacja wyszuka podłączone kamery i wyświetli je w postaci listy.
2. Kliknij dwukrotnie kamerę, aby uzyskać do niej dostęp.  
Zostanie uruchomiona przeglądarka internetowa i nastąpi połączenie z kamerą.

- Do kamery można przejść także wpisując adres IP znalezionej kamery w pasku adresu przeglądarki internetowej.

## PODŁĄCZANIE DO KAMERY ZE ZDALNEGO KOMPUTERA PRZEZ INTERNET

Na komputerze zdalnym, który nie znajduje się w klanstrze sieciowym routera szerokopasmowego, użytkownicy mogą uzyskać dostęp do kamer w sieci routera szerokopasmowego, używając DDNS URL kamery.

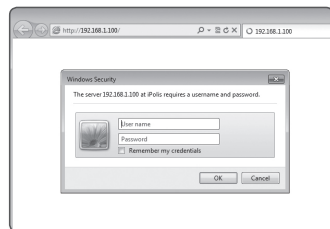
1. Aby możliwe było uzyskanie dostępu do kamery w sieci Ruter szerokopasmowy, należy ustawić przekazywanie zakresu portów Ruter szerokopasmowy.
2. Na zdalnym komputerze uruchom przeglądarkę internetową i wpisz adres URL DDNS kamery lub adres Ruter szerokopasmowy szerokopasmowy w pasku adresu.  
Np. <http://ddns.hanwha-security.com/ID>

- Aby korzystać z Wisenet DDNS, zarejestruj się na stronie głównej Wisenet DDNS (<http://ddns.hanwha-security.com>) i zarejestruj produkt w [Moje DDNS]> [Zarejestruj Produkt].

## PODŁĄCZANIE DO KAMERY

### Zazwyczaj należy postępować w następujący sposób

1. Uruchom przeglądarkę internetową.
2. Wpisz adres IP kamery w pasku adresu.  
np. • Adres IP (IPv4) : 192.168.1.100 → http://192.168.1.100  
- powinno zostać wyświetlone okno dialogowe.  
• Adres IP (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111  
→ http://[2001:230:abcd:ffff:0000:0000:ffff:1111] - powinno zostać wyświetlone okno dialogowe.



### Jeśli port http jest inny niż 80

1. Uruchom przeglądarkę internetową.
2. Wpisz adres IP i numer portu HTTP kamery w pasku adresu.  
np. Adres IP : 192.168.1.100:numer portu HTTP (8080)  
→ http://192.168.1.100:8080 - powinno zostać wyświetlone okno dialogowe logowania.

### Za pomocą URL

1. Uruchom przeglądarkę internetową.
2. Wpisz adres URL DDNS kamery w pasku adresu.  
np. Adres URL : http://ddns.hanwha-security.com/ID  
- powinno zostać wyświetlone okno dialogowe logowania.

 Połączenie sieciowe jest wyłączone w środowisku ograniczonym do LAN.

### Połączenie przez UPnP

1. Uruchomić klienta lub system operacyjny obsługujący protokół UPnP.
2. Aby wyszukać, kliknąć w nazwę kamery.  
W systemie Windows, kliknąć w nazwę kamery wyszukaną w menu sieciowym.  
- Okno logowania jest otwarte.

### Połączenie przez Bonjour

1. Uruchomić klienta lub system operacyjny obsługujący protokół Bonjour.
2. Aby wyszukać, kliknąć w nazwę kamery.  
W Mac SO kliknąć w nazwę kamery wyszukaną w zakładce Bonjour na Safari.  
- Okno logowania jest otwarte.

### Sprawdzanie adresu DDNS

Jeśli kamera jest podłączona bezpośrednio do modemu DHCP przez sieć kablową, modemu DSL lub PPPoE, adres IP sieci będzie zmieniany za każdą próbą połączenia z serwerem ISP (ang. Internet Service Provider – dostawca Internetu).

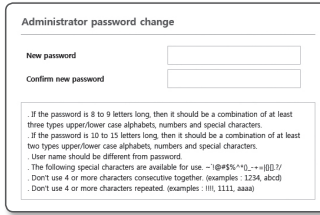
W takim przypadku użytkownik nie będzie informowany o zmianie adresu IP przez DDNS.

Po zarejestrowaniu urządzenia z dynamicznym adresem IP w serwerze DDNS można bezpiecznie sprawdzić zmieniony adres IP podczas uzyskiwania dostępu do urządzenia. Aby zarejestrować urządzenie na serwerze <DDNS>, najpierw wejdź na stronę <http://ddns.hanwha-security.com> i zarejestruj urządzenie, a następnie dla opcji <Sieć> - <DDNS> przeglądarki Web Viewer wybierz ustawienie <Wisenet DDNS> oraz podaj <ID produktu> używane do rejestracji DDNS.

## USTAWIENIA HASŁA

Pierwsze użycie produktu wiąże się z koniecznością rejestracji loginu i hasła.

- Nowe hasło powinno mieć 8 do 9 znaków długości, w tym 3 znaki wielkie/male, cyfry i znaki specjalne. Dla hasła 10 do 15 znaków wystarczą 2 znaki wskazane wyżej.
  - Dozwolone znaki specjalne: ~!@#\$\$%^&\*\_+=""{}|.?/
- Dla poprawy bezpieczeństwa nie zaleca się powtarzania tych samych znaków po kolei ani używania kolejnych znaków klawiatury.
- Jeżeli hasło zostało utracone, nacisnąć przycisk [RESET] i inicjować produkt. Zatem hasło należy zapamiętać, lub zapisać.

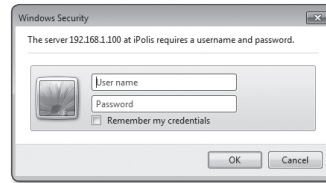


## LOGOWANIE

Przy każdej próbie uzyskania dostępu do kamery zostanie wyświetlone okno logowania. Wprowadź ID użytkownika i hasło, aby uzyskać dostęp do kamery.

1. Wpisz słowo "admin" w polu <User Name>. ID administratora "admin" jest stałe i nie można go zmienić.
2. Wprowadź hasło w polu <Password>.
3. Kliknij przycisk [OK].  
Jeżeli logowanie się powiodło, zostanie wyświetlony ekran aplikacji Live Viewer.

- Podczas korzystania z podglądu internetowego należy zwrócić uwagę na bezpieczeństwo i sprawdzić, czy obraz jest szyfrowany.
- Jeżeli zostanie zaznaczona opcja "Remember my credentials" po wprowadzeniu danych, przy kolejnym uruchomieniu nastąpi automatyczne logowanie bez potrzeby podawania danych logowania.
- Najlepszą jakość wideo można uzyskać przy ekranie o rozmiarze 100%. Zmniejszenie współczynnika może spowodować obcięcie krawędzi obrazu.



## USTAWIANIE PRZEGLĄDARKI INTERNETOWEJ KAMERY

1. Kliknij ikonę [Ustawienia (⚙)].
2. Wyświetlone zostanie okno Ustawienia.
3. Ustawienia dotyczące podstawowych informacji o kamerze, wideo, dźwięku, sieci, zdarzeń, analizy i systemu można skonfigurować za pośrednictwem sieci.
4. Kliknij opcję <Pomoc (?)>, aby wyświetlił szczegółowy opis każdej funkcji.

## ROZWIĄZYWANIE PROBLEMÓW

PROBLEM	ROZWIĄZANIE
Jeśli użytkownik systemu Windows 10 uzyska dostęp do przeglądarki Web Viewer za pośrednictwem przeglądarki Chrome lub Firefox, ustawienie głośności mikrofonu zmienia się cyklicznie.	<ul style="list-style-type: none"> <li>Taka sytuacja występuje po wybraniu sterownika Realtek jako sterownika mikrofonu. Jako sterownik mikrofonu zainstaluj sterownik urządzenia dźwięku w wysokiej rozdzielczości (domyślny sterownik systemu Windows) lub sterownik innego producenta.</li> </ul>
Nie wyświetlił się żadne wideo poprzez dostęp do bezpłatnej przeglądarki na Safari poprzez HTTPS.	<ul style="list-style-type: none"> <li>W oknie uwierzytelniania wyświetlonym przy pierwszym dostępie do protokołu https kliknij opcję „Pokaż certyfikat uwierzytelnienia” i zaznacz pole wyboru „Zawsze ufaj, nawiązując połączenie do określonego IP przeglądarki WebViewer”.</li> <li>Jeśli przeglądarka nadal odmawia wyświetlenia wideo po wyborze "Następny" w poniższym oknie komunikatów, należy nacisnąć klawisz polecenia + Q w celu opuszczenia przeglądarki Safari, uzyskać ponowny dostęp i wykonać podane wyżej procedury.</li> </ul>
Nie mogę uzyskać dostępu do kamery z przeglądarki internetowej.	<ul style="list-style-type: none"> <li>Sprawdź, czy ustawienia sieciowe kamery są odpowiednie.</li> <li>Sprawdź, czy wszystkie kable sieciowe zostały podłączone prawidłowo.</li> <li>W przypadku łączenia za pomocą DHCP sprawdź, czy kamera otrzymała dynamiczny adres IP.</li> <li>Jeśli kamera jest podłączona do Ruter szerokopasmowy, sprawdź, czy przekazywanie portów zostało skonfigurowane prawidłowo.</li> </ul>
Program podglądu został odłączony podczas monitorowania.	<ul style="list-style-type: none"> <li>Podłączone programy podglądu zostają odłączone przy każdej zmianie konfiguracji kamery lub sieci.</li> <li>Sprawdź wszystkie połączenia sieciowe.</li> </ul>
Kamera podłączona do sieci nie jest wykrywana w programie Device Manager.	<ul style="list-style-type: none"> <li>Wyłącz cz zaporę na komputerze PC i wyszukaj kamery ponownie.</li> </ul>
Obrazy nakładają się na siebie.	<ul style="list-style-type: none"> <li>Sprawdź, czy kilka kamer nie jest ustawionych na ten sam adres multimedialny. Jeśli jest używany ten sam adres przez wiele kamer, obrazy mogą się na siebie nakładać.</li> </ul>
Brak obrazu.	<ul style="list-style-type: none"> <li>Jeśli metoda transmisji to multimedialna, sprawdź, czy router w sieci lokalnej, do którego jest podłączona kamera, obsługuje multimedialną.</li> </ul>

PROBLEM	ROZWIĄZANIE
Głos nie został nagrany pomimo skonfigurowania ustawień wejścia audio.	<ul style="list-style-type: none"> <li>Zaznacz pole wyboru &lt;Wejście audio&gt; w menu &lt;Podstawowy&gt; - &lt;Profil wideo&gt;.</li> </ul>
<Wykrywanie ruchu> z <Analizy> jest w pozycji <Włącz>, ale nie otrzymuję zawiadomień email nawet jeżeli nastąpiło zdarzenie ruchu.	<ul style="list-style-type: none"> <li>Sprawdź ustawienia w następującej kolejności: <ul style="list-style-type: none"> <li>A. Sprawdź ustawienia opcji &lt;Data i godzina&gt;.</li> <li>B. Dla opcji &lt;Wykrywanie ruchu&gt; powinno być wybrane ustawienie &lt;Włącz&gt;.</li> <li>C. Zaznacz, jeśli wybrano użycie opcji &lt;E-mail&gt; w menu &lt;Konfig. zdarzeń&gt;.</li> </ul> </li> </ul>
W porcie wyjścia alarmu nie wykryto żadnego sygnału nawet podczas przeprowadzania inteligentnej analizy obrazu wideo.	<ul style="list-style-type: none"> <li>Sprawdź ustawienia portu wyjścia alarmu.</li> </ul>
Nagrywanie na karcie pamięci Micro SD jest niemożliwe.	<ul style="list-style-type: none"> <li>Sprawdź, czy karta pamięci nie jest uszkodzona.</li> </ul>
Karta pamięci Micro SD jest włożona, jednak kamera nie działa prawidłowo.	<ul style="list-style-type: none"> <li>Sprawdź, czy karta pamięci została włożona odpowiednią stroną. Ta kamera nie gwarantuje działania karty pamięci sformatowanej w innych urządzeniach</li> <li>Sformatuj kartę pamięci ponownie w menu &lt;Ustawienia&gt; → &lt;Zdarzenie&gt; → &lt;Pamięć&gt;.</li> </ul>
Nie można nagrywać w NAS.	<ul style="list-style-type: none"> <li>Upewnij się, że informacja rejestrowana w NAS jest poprawna.</li> </ul>
Raportuje że ustawienia NAS nie powiodły się.	<ul style="list-style-type: none"> <li>Upewnij się, że adres IP NAS jest poprawny.</li> <li>Upewnij się, że ID/hasło NAS są poprawne.</li> <li>Korzystając z ID NAS, upewnij się, że jest dostęp do folderu wskazanego jako podstawowy.</li> <li>Upewnij się, że SMB/CIFS nie są zaznaczone.</li> <li>Upewnij się, że adres IP NAS oraz adres IP kamery mają taki sam format. Np.) Początkowa wartość maski podsieci NAS i kamery wynosi 255.255.255.0. Jeżeli adres IP jest 192.168.20.32 adres IP NAS IP powinien zawierać się w 192.168.20.1~192.168.20.255.</li> <li>Sprawdź czy podejmowałeś próbę dostępu jako inny użytkownik bez formatowania zapisanego bądź używanego podstawowego folderu.</li> <li>Upewnij się, że wykorzystywany jest zalecany sprzęt NAS.</li> </ul>

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Base Kernel	GPL 2.0	
Busybox	GPL 2.0	<a href="http://www.busybox.net/downloads/snapshots">http://www.busybox.net/downloads/snapshots</a>
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	<a href="http://ftp.netfilter.org/pub/iptables">http://ftp.netfilter.org/pub/iptables</a>
ethtool-4.2	GPL 2.0	
mtid-1.5.2	GPL 2.0	<a href="ftp://ftp.infradead.org/pub/mtid-utils">ftp://ftp.infradead.org/pub/mtid-utils</a>
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	<a href="http://www.roaringpenguin.com/pppoe/">http://www.roaringpenguin.com/pppoe/</a>
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
zeroconf	GPL 2.0	

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Component Name	License	URL
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inetutils	LGPL 3.0	
neon-0.29.6	LGPL 2.0	<a href="http://www.webdav.org/neon/">http://www.webdav.org/neon/</a>

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

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

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iperf performance test

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Jean-loup Gailly Mark Adler

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



Na wszystkich etapach produkcji firma Hanwha Techwin dba o środowisko naturalne i wykonuje wiele działań dążących do dostarczenia klientom produktów niegroźnych dla środowiska.

Oznaczenie „Eco” świadczy o tym, że firma Hanwha Techwin wytwarza produkty nieszkodliwe dla środowiska oraz wskazuje, że niniejszy produkt spełnia wymagania przedstawione w dyrektywie RoHS obowiązującej w UE.



### Prawidłowe usuwanie produktu (zużyty sprzęt elektryczny i elektroniczny)

To oznaczenie umieszczone na produkcie, akcesoriach lub dokumentacji oznacza, że po zakończeniu eksploatacji nie należy tego produktu ani jego akcesoriów (np. ładowarki, zestawu słuchawkowego, przewodu USB) wyrzucać wraz ze zwykłymi odpadami gospodarstwa domowego. Aby uniknąć szkodliwego wpływu na środowisko naturalne i zdrowie ludzi wskutek niekontrolowanego usuwania odpadów, prosimy o oddzielenie tych przedmiotów od odpadów innego typu oraz o odpowiedzialny recykling i praktykowanie ponownego wykorzystania materiałów.

W celu uzyskania informacji na temat miejsca i sposobu bezpiecznego dla środowiska recyklingu tych przedmiotów, użytkownicy w gospodarstwach domowych powinni skontaktować się z punktem sprzedaży detalicznej, w którym dokonali zakupu produktu, lub z organem władz lokalnych.

Użytkownicy w firmach powinni skontaktować się ze swoim dostawcą i sprawdzić warunki umowy zakupu. Produktu ani jego akcesoriów nie należy usuwać razem z innymi odpadami komercyjnymi.



### Sposób poprawnego usuwania baterii, w które wyposażony jest niniejszy produkt

(Dotyczy obszaru Unii Europejskiej oraz innych krajów europejskich posiadających oddzielne systemy zwrotu zużytych baterii.)

Niniejsze oznaczenie na baterii, instrukcji obsługi lub opakowaniu oznacza, że po upływie okresu użytkowania baterie, w które wyposażony był dany produkt, nie mogą zostać usunięte wraz z innymi odpadami pochodzącymi z gospodarstw domowych. Przy zastosowaniu takiego oznaczenia symbole chemiczne (Hg, Cd lub Pb) wskazują, że dana bateria zawiera rtęć, kadm lub ołów w ilości przewyższającej poziomy odniesienia opisane w dyrektywie WE 2006/66. Jeśli baterie nie zostaną poprawnie zutilizowane, substancje te mogą powodować zagrożenie dla zdrowia ludzkiego lub środowiska naturalnego.

Aby chronić zasoby naturalne i promować ponowne wykorzystanie materiałów, należy oddzielać baterie od innego typu odpadów i poddawać je utylizacji poprzez lokalny, bezpłatny system zwrotu baterii.

