

**WISeNET**

# **TERMALNA KAMERA POZYCJONUJĄCA**

Instrukcja obsługi

TNU-4041T  
TNU-4051T

**CE**

# TERMALNA KAMERA POZYCJONUJĄCA

## Instrukcja obsługi

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### Prawa autorskie

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### Znaki towarowe

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.

### Ograniczenia

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### Wyłączenie odpowiedzialności

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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. (Nie używaj żadnych detergentów ani produktów kosmetycznych zawierających alkohol, rozpuszczalniki, surfaktanty lub substancje oleiste, ponieważ mogą one spowodować odkształcenie lub uszkodzenie produktu).
- 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 lekceważać 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 nadeptnięcia 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.
- Do zasilania tego produktu przewidziano atestowany zasilacz kategorii „Class 2” lub „LPS” o parametrach znamionowych od 24 V AC (50 lub 60 Hz), min. 6 A.
- 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 odkształcić 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 podłączenie (Installation and connection)” w podręczniku użytkownika.
- Instalacja lub eksploatacja produktu w wodzie może doprowadzić do jego poważnego uszkodzenia.



## OSTRZEŻENIE

ABY ZMNIJSZYĆ 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 obrażeniom, urządzenie należy dobrze przymocować do ściany/sufitu, zgodnie z instrukcjami montażu.

## UWAGA

	<b>UWAGA</b> NIEBEZPIECZEŃSTWO PORAŻENIA PRĄDEM. NIE OTWIERAĆ	
<b>UWAGA : ABY ZMNIJSZYĆ 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.

## Odlączenie 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 CVBS 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.

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.

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.

## SPIS TREŚCI

### INFORMACJE OGÓLNE

3

- 3 Ważne zalecenia dotyczące bezpieczeństwa
- 6 Zalecane Specyfikacje Komputera PC
- 6 Zalecane Specyfikacje Kart Pamięci Micro SD/SDHC/SDXC
- 6 Specyfikacja zalecana przez NAS
- 7 Co znajduje się w opakowaniu
- 8 Spojrzenie na Kamere

### INSTALACJA I PODŁĄCZANIE

9

- 9 Instalacja
- 10 Wkładanie/Wyjmowanie Karty Pamięci Micro SD
- 11 Informacje o Karcie Pamięci (Niedołączonej do Zestawu)
- 12 Podłączanie Innego Urządzenia

### POŁĄCZENIE SIECIOWE I KONFIGURACJA

15

- 15 Podłączanie Kamery Bezpośrednio do Sieci Lokalnej
- 15 Podłączanie Kamery Bezpośrednio do Modemu DSL/telewizji Kablowej Opartego na Protokole DHCP
- 16 Podłączanie Kamery Bezpośrednio do Modemu PPPoE
- 16 Podłączanie Kamery do Ruter szerokopasmowy z Modemem PPPoE lub Kablowym
- 17 Korzystanie z programu Device Manager
- 17 Automatyczne wyszukiwanie kamery
- 17 Konfigurowanie adresu IP
- 18 Ręczna rejestracja kamery
- 18 Automatyczna konfiguracja IP
- 19 Konfigurowanie Przekazywania Zakresu Portów (Mapowania Portów)
- 20 Podłączanie do Kamery za Pomocą Udostępnionego Lokalnego Komputera
- 20 Podłączanie do Kamery ze Zdalnego Komputera Przez Internet

### PRZEGLĄDARKA INTERNETOWA

21

- 21 Podłączanie do Kamery
- 21 Ustawienia hasła
- 22 Logowanie
- 22 Specyfikacja obsługi wtyczek dla każdej przeglądarki
- 22 Instalacja Dodatku WebViewer
- 22 Użytkowanie bezpłatnej wtyczki przeglądarki

### DODATEK

23

- 23 Rozwiązywanie Problemów
- 24 Open Source Announcement

## ZALECANE SPECYFIKACJE KOMPUTERA PC

- **Procesor:** Intel(R) Core(TM) i7 3.4 GHz lub wyższy
- **Pamięć RAM:** 8 GB lub więcej
- **Obsługiwany system operacyjny:** Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12
- **Webviewer**  
Zalecana przeglądarka: Google Chrome 63  
Obsługiwane przeglądarki: IE11, MS Edge 41, Mozilla Firefox 57 (tylko Windows 64bit),  
Apple Safari 11 (tylko Mac OS X)

## ZALECANE SPECYFIKACJE KART PAMIĘCI MICRO SD/SDHC/SDXC

- **Zalecana pojemność:** Zalecana pojemność: od 16 do 256 GB (typ MLC)
- W przypadku tej kamery zalecane są następujące typy kart pamięci następujących producentów.
  - Producent: SanDisk, Transcend
  - Rodzina produktów: karty o dużej odporności

## SPECYFIKACJA ZALECANA PRZEZ NAS

- **Zalecana pojemność:** Zalecane jest 200GB lub więcej.
- **Dostęp jednoczesny:** Jednostka NAS może przyjąć do szesnastu dostępów do kamery.
- Dla tej kamery zalecane jest wykorzystanie NAS z następującą specyfikacją fabryczną.








Zalecane produkty	Dostępne rozmiary
QNAP NAS	Dostęp jednoczesny dla maksimum 16 kamer.
Synology NAS	Dostęp jednoczesny dla maksimum 16 kamer.

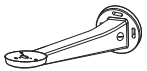





- Wykorzystanie urządzeń NAS dla celów innych niż zapis video może spowodować zmniejszenie dostępnej liczby kamer.

## CO ZNAJDUJE SIĘ W OPAKOWANIU

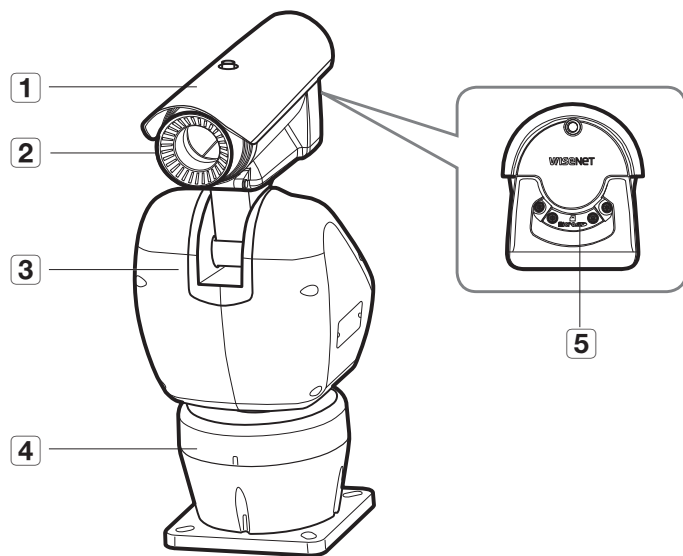
Należy sprawdzić, czy w opakowaniu znajduje się kamera oraz wszystkie akcesoria.  
(Akcesoria nie są identyczne i zależą od kraju sprzedaży)

Wygląd	Nazwa elementu	Liczba	Opis
	Korpus kamery	1	-
	Skrócona instrukcja obsługi (Opcjonalny)	1	-
	Karta gwarancyjna (Opcjonalny)	1	-
	Oslona przeciwsłoneczna	1	Ochronia kamerę przed bezpośrednim nasłonecznieniem.
	Uchwyt na osłonę przeciwsłoneczną	1	Umożliwia zamocowanie na kamerze osłony przeciwsłonecznej.
	Klucz gwiazdowy	1	Do zamocowania pokrywy gniazda pamięci
	Akcesorium wodoodporne RJ45	1	Do montażu w wilgotnych miejscach

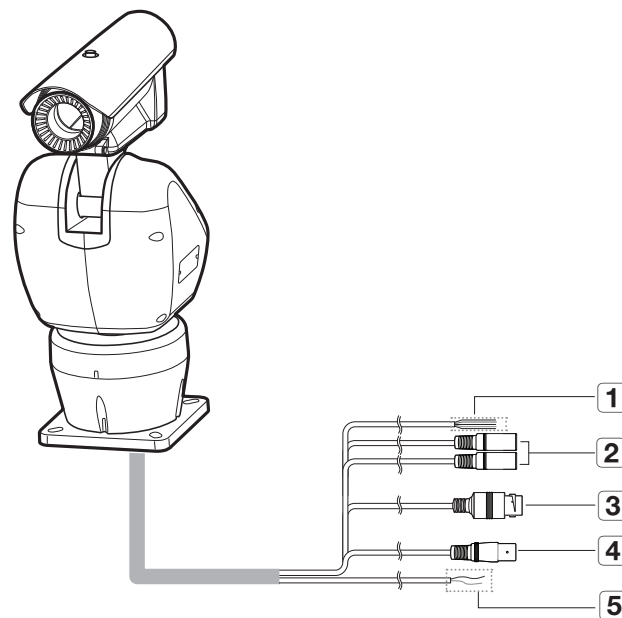
Wygląd	Nazwa elementu	Liczba	Opis
<b>Uchwyt ścienny (not included)</b>			
	Uchwyt ścienny	1	Używany podczas montażu kamery na ścianie
	Śruby(M5 X 20)/podkładki płaskie	3/3	Do łączenia korpusu i wspornika
	Śruby(M3 x 8)	8	Do przykręcenia pokrywy przewodów
	Pierścień uszczelniający	1	Do łączenia korpusu i wspornika

SPOJRZENIE NA KAMERĘ

Wygląd



kable



Element	
1	Oslona przeciwsloneczna
2	Kamera
3	Korpus glówny
4	Obudowa podstawy
5	Gniazdo kart Micro SD

Element	Opis
1 Przewód alarmu	Przewód wejścia alarmu (czarny/brązowy/czerwony/żółty/pomarańczowy)
2 Przewód audio	Przewód wejścia audio
3 Ethernet	Umożliwia podłączenie przewodu Ethernet.
4 Przewód wyjścia wideo	Umożliwia przesłanie sygnału wyjściowego wideo.
5 Przewód zasilający	Kable do zasilania kamery (Brązowy/Niebieski)



## INSTALACJA

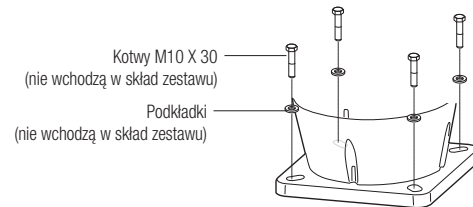
### Środki ostrożności przed montażem

Przed przystąpieniem do montażu kamery należy przeczytać poniższe instrukcje:

- System zamontować w oparciu o poniższe wskazówki. W przypadku jeśli użytkownik chce system zainstalować inną metodą, najpierw powinien potwierdzić w porozumieniu z producentem zalecenia bezpieczeństwa.
- Masa całkowita systemu wynosi 11,7 kg. Należy założyć parę antypoślizgowych rękawic. Podnosząc urządzenie nie należy chwycić kamery, tylko jej korpus.
- Umieścić w miejscu (sufit lub ściana), które wytrzyma 4 ciężar kamery z uchwytem instalacyjnym.
- Zmiażdżone lub "gole" przewody mogą być przyczyną uszkodzenia urządzenia lub pożaru.
- Ze względów bezpieczeństwa nie należy dopuszczać innych osób w pobliżu miejsca montażu. Na wszelki wypadek należy również odsunąć rzeczy osobiste personelu.

### Zamontuj kamerę na podłodze.

1. Zamontuj cokół na podłodze.



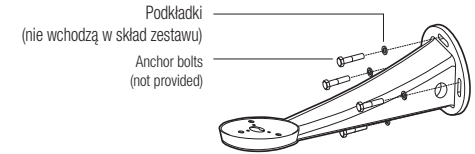
- ! W celu zamontowania kamery na elementach z betonu zalecamy zastosowanie kotew o wymiarach co najmniej M10 X 30.
- Zastosować śruby o wytrzymałości wynoszącej co najmniej czterokrotność masy urządzenia.

### Opcjonalne akcesoria montażowe

W celu ułatwienia montażu można zakupić odpowiednie akcesoria opcjonalne.

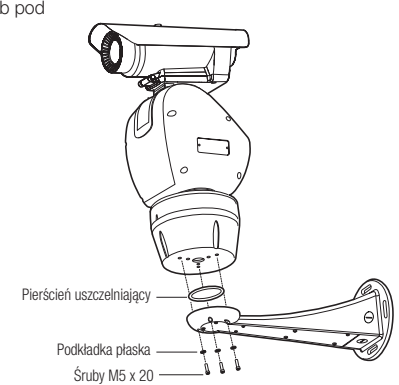
#### ▪ Montaż na ścianie przy użyciu uchwyty

1. Przykręć uchwyt do ściany przy użyciu 4 kotew (nie wchodzi w skład zestawu).

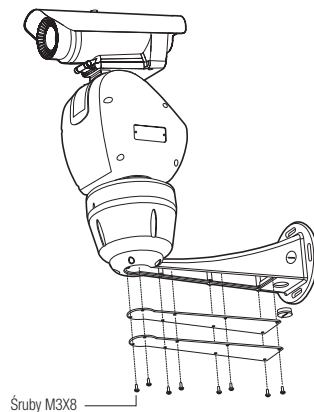


- ! W celu zamontowania kamery na elementach z betonu zalecamy zastosowanie kotew o wymiarach co najmniej M10 X 30.
- Zastosować śruby o wytrzymałości wynoszącej co najmniej czterokrotność masy urządzenia.

2. Pociągnij główny korpus i wspornik za pomocą 3 śrub pod kluczem.



3. Po poprowadzeniu przewodów jak pokazano na ilustracji załóż pokrywę.

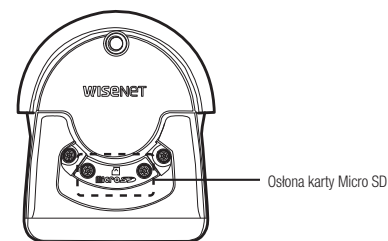


## WKŁADANIE/WYJMOWANIE KARTY PAMIĘCI MICRO SD

- ! ■ 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.
- W przypadku deszczu lub wysokiej wilgotności wkładanie i wyjmowanie karty Micro SD nie jest zalecane.

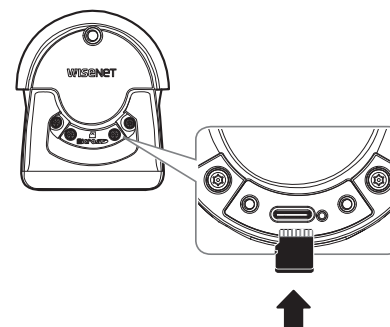
### Zdejmowanie osłony karty Micro SD

Użyj klucza torx aby zdjąć osłonę karty Micro SD.



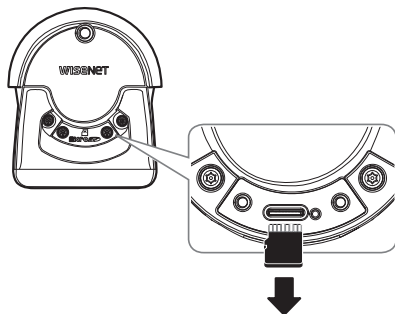
### Wkładanie karty pamięci Micro SD

Umieść kartę Micro SD w kierunku wskazywanym przez strzałkę 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.



- ! Zbyt mocne naciśnięcie karty pamięci Micro SD może spowodować niekontrolowane wyrzucenie karty ze szczeliny, po jej zwolnieniu.
- Przed wyjęciem karty pamięci Micro SD w obszarze <Pamięć> dla urządzenia wybierz ustawienie <Wytł.>, naciśnij przycisk [Zastosuj] i wyłącz kamerę.
- W przypadku wyłączenia kamery lub wyjęcia karty pamięci Micro SD, która zawiera dane z produktu, dane te mogą ulec utracie lub zniszczeniu.

## INFORMACJE O KARCIE PAMIĘCI (NIEDOŁĄCZONEJ DO ZESTAWU)

### Co to jest karta pamięci?

Karta pamięci jest zewnętrznym urządzeniem do przechowywania danych, które zostało opracowane tak, aby zapewnić całkowicie nowy sposób nagrywania i odtwarzania filmów, muzyki i danych tekstowych za pomocą urządzeń cyfrowych.

### Wybór odpowiedniej karty pamięci

Kamera obsługuje karty pamięci Micro SD/SDHC/SDXC.

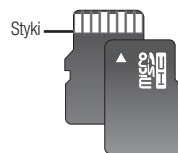
Mogą jednak wystąpić problemy z zgodnością, w zależności od modelu i marki karty pamięci.

W przypadku tej kamery zalecane są następujące typy kart pamięci następujących producentów.

- Producent : SanDisk, Transcend
- Rodzina produktów: karty o dużej odporności

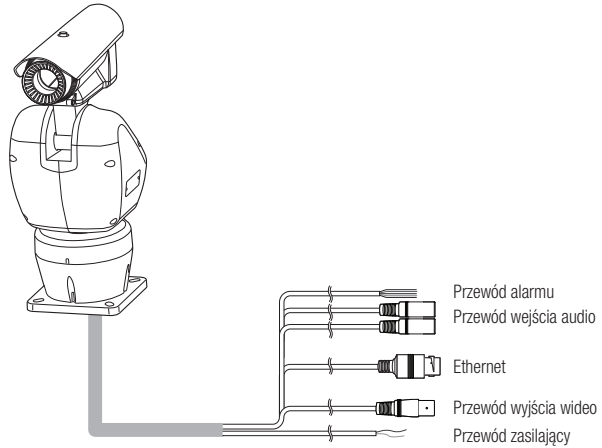
Dla tej kamery zalecane jest użycie kart pamięci o pojemności 16 do 256 GB (typ MLC).

Prędkość karty pamięci może wpływać na wydajność odtwarzania.

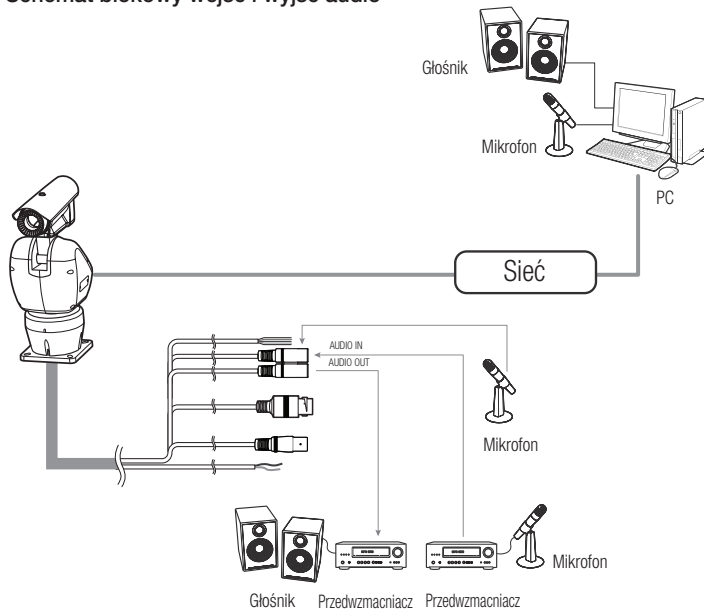


Micro SD/SDHC/SDXC

## PODŁĄCZANIE INNEGO URZĄDZENIA

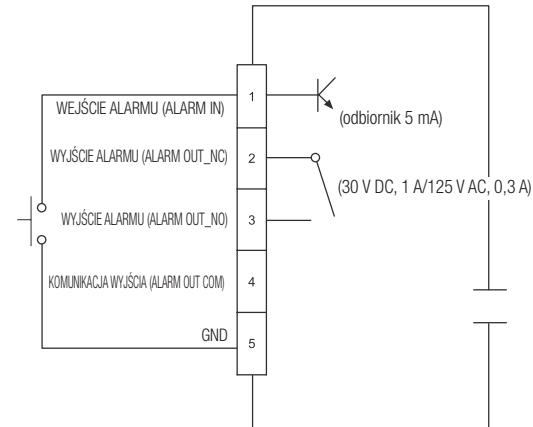


Schemat blokowy wejść i wyjść audio



1. Połącz port AUDIO IN kamery bezpośrednio z mikrofonem lub połącz port LINE OUT ze wzmacniaczem, do którego jest podłączony mikrofon.
2. Połącz port AUDIO OUT kamery z portem LINE IN głośnika.
3. Sprawdź informacje o wyjściu audio w danych technicznych.
  - **Kodek Audio** : G.711 PCM,  $\mu$ -law 64kb/s, próbkowanie 8kHz
  - **Dźwięk w trybie pełnego duplexu**
  - **Wejście audio** : Używane jako wejście linii sygnału monofonicznego (Maks. 2,4 Vpp)
  - **Wyjście audio** : Używane jako wyjście linii sygnału monofonicznego (Maks. 2,4 Vpp)
  - **Impedancja wyjścia liniowego** : 600omów

Schemat Przewodów wej./wyj. Alarmu



## Sposób połączenia zewnętrznych kabli

Podłączyć kable zewnętrzne, posługując się poniższą tabelą.

- ! Podłączyć wejściowo/wyjściowe kable alarmowe do każdego zacisku po kolei.

Tabliczka znamionowa	KOLOR	Opis	Uwagi
WEJŚCIE ALARMU (ALARM_IN)	Czarny	Gniazdo do podłączenia zewnętrznego sygnału wejścia alarmu	
GND	Brązowy	Gniazdo wspólne (GND) do podłączenia zewnętrznego sygnału wejścia alarmu	
WYJŚCIE ALARMU (ALARM_OUT_NO)	Czerwony	Gniazdo (NO) do podłączenia sygnału wyjściowego przełącznika	
KOMUNIKACJA WYJŚCIA (ALARM_OUT_COM)	Żółty	Gniazdo (GND) do podłączenia sygnału wyjściowego przełącznika	
WYJŚCIE ALARMU (ALARM_OUT_NC)	Pomarańczowy	Gniazdo (NC) do podłączenia sygnału wyjściowego przełącznika	

## Połączenie typu Ethernet

Podłącz kabel Ethernet do sieci lokalnej lub do Internetu.

## Źródło zasilania

Przewód zasilacza podłączyć do gniazda wejściowego zasilania kamery.

Przedmiot	KOLOR
Zasilanie główne	BRĄZOWY
	NIEBIESKI

- ! Upewnić się, czy zasilanie systemu jest wyłączone, podłączając napięcie 24VAC (niepolarne).

## Specyfikacja kabla sieciowego

Przedmiot	Zawartość	Uwagi
Łącze	RJ45	
Ethernet	10/100Base-T	10/100 Mbps
Kabel	UTP Kategoria 5e	
Odległość maks.	100M	

## Specyfikacja kabla zasilania

W przypadku 24 V AC Wejście:

Przewód (AWG)	#16	#14
Długość kabla (Maks.)	15 m	24 m

## Jak podłączyć wodoodporny przewód RJ45 do przewodu sieciowego LAN

1. Wsuń przewód zgodnie z kierunkiem wskazywanym wskazywanym przez strzałkę.

2. Podłącz złącze LAN (męskie) do przewodu.

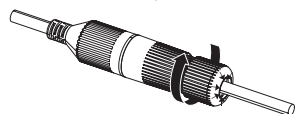
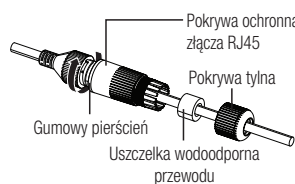
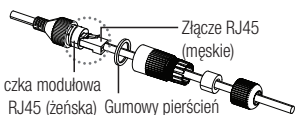
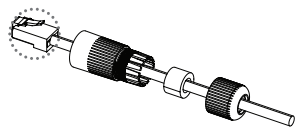
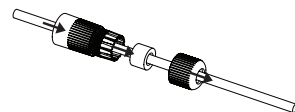
3. Podłącz wtyczkę modułową RJ45 (żeńską) do złącza RJ45 (męskiego).

! Części muszą być od siebie oddzielone.

4. Dokonaj montażu elementów, obracając wtyczkę modułową RJ45 (żeńską) i osłonę ochronną RJ45 zgodnie z ruchem wskazówek zegara (w kierunku pokazanym przez strzałkę).

5. Dokonaj montażu elementów, obracając pokrywę ochronną RJ45 i pokrywę tylną zgodnie z ruchem wskazówek zegara (w kierunku pokazanym przez strzałkę). Po zakończeniu montażu pokrywy tylnej uszczelka wodoodporna przewodu będzie docisnięta do przewodu, co zapewni jego wodoodporność.

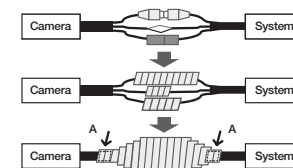
! Aby tylną pokrywę można było do końca nakręcić na gwint śruby złącza RJ45, montaż wszystkich elementów musi być pełny.



## Montaż na zewnątrz budynku

W przypadku montażu na zewnątrz budynku, kamerę należy uszczelnić wodoszczelną taśmą z kauczuku butylowego dostępną w sklepach, tak aby woda nie dostawała się przez zamocowany na zewnątrz kabel.

1. Podłączyć kable: zasilania, we/wy (I/O), AUDIO oraz LAN.
2. Taśmą wodoszczelną (z kauczuku butylowego) owinąć osłonkę czarnego kabla (Obszar A) oraz obszar złącza kabla, tak aby powstała zakładka szeroka na ponad połowę szerokości użytej taśmy butylowo-kauczukowej.



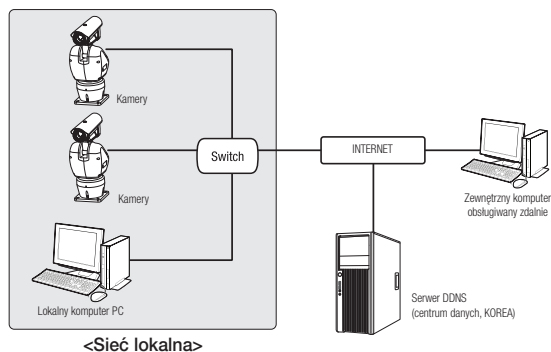
- !
- Jeśli osłonka kabla nie jest właściwie uszczelniona, może to być bezpośrednią przyczyną przecieku. Zapewnić szczelność kabla przez ścisłe owinięcie jego taśmą.
  - Taśma butylowo-kauczukowa jest wykonana z kauczuku butylowego, który można rozciągnąć do jego dwukrotnej pierwotnej długości.
  - Nie ma konieczności owijania taśmą z gumy butylowej osobno, ponieważ kabel złącza LAN jest wodoodporny.

Można skonfigurować ustawienia sieciowe zgodnie z charakterystyką sieci użytkownika.

## PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO SIECI LOKALNEJ

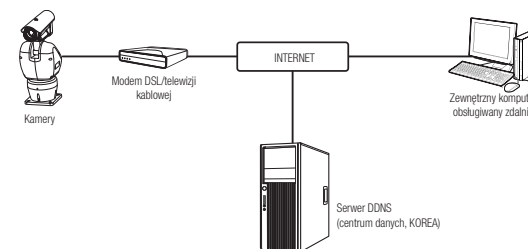
### Podłączanie do kamery lokalnego komputera PC przyłączonego do sieci lokalnej

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 zaporą. W takim wypadku, aby rozwiązać problem, należy skontaktować się z administratorem sieci.
- W programie Device Manager możesz użyć początkowego hasła, „4321” aby ustawić adres IP, maskę podsieci, bramę, port HTTP, port VNP, typ IP. Po zmianie interfejsu sieciowego, należy wejść na podgląd WEB i zmienić hasło.
- 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 17)

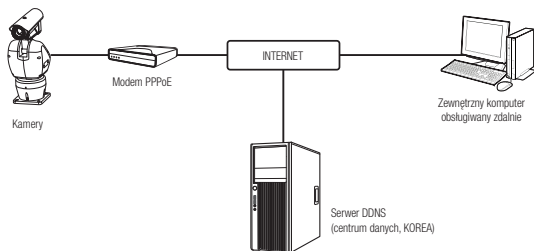
## PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO MODEMU DSL/TELEWIZJI KABLOWEJ OPARTEGO NA PROTOKOLE DHCP



1. Połączenie użytkownika PC bezpośrednio z kamera 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 [Setup].
5. Przejdź do opcji [Network] – [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 BEZPOŚREDNIO DO MODEMU PPPoE

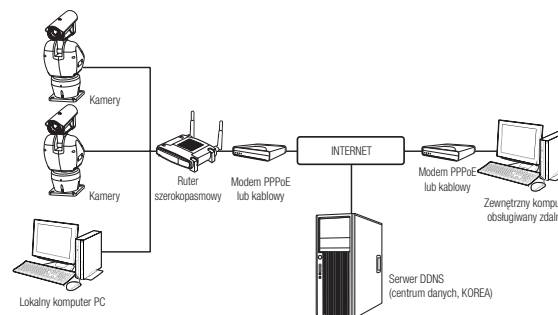


1. Połączenie użytkownika PC bezpośrednio z kamera sieciową.
2. Uruchom program Device Manager i zmień adres IP kamery, aby móc korzystać z przeglądarki internetowej na pulpicie, aby połączyć się z internetem.
3. Uzyskaj połączenie z przeglądarką Web Viewer za pomocą przeglądarki internetowej.
4. Przejdź do strony **[Setup]**.
5. Przejdź do opcji **[Network]** – **[DDNS]** i skonfiguruj ustawienia DDNS.
6. Przejdź do **[Basic]** – **[IP & Port]** Ustaw stronę, ustaw typ IP do **[PPPoE]** i wprowadź ID serwisu sieci wraz z hasłem.
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 PPPoE LUB 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 y zajrzeć do jego dokumentacji.
  - Aby uzyskać więcej informacji na temat przekierowywania portu routera szerokopasmowego, patrz część "**Konfigurowanie Przekazywania Zakresu Portów (Mapowania Portów)**". (Strona 19)



## 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.

## 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.

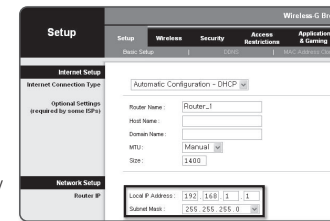
### Jeżeli nie jest używany Ruter szerokopasmowy

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.
- VNP Port : Służy do sterowania transmisją sygnału wideo; wartość domyślna to 4520.
- 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 19)

### 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
	VNP Port	4520	4521
	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>

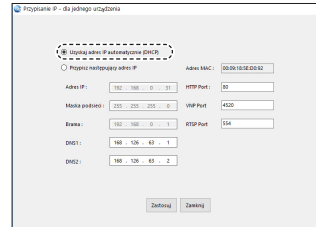
- Kliknij przycisk [Zastosuj].
- Jeśli wyświetlona zostanie wiadomość o powodzeniu, kliknij [OK].

## Konfigurowanie dynamicznego IP

Odbierz adres IP z DHCP.

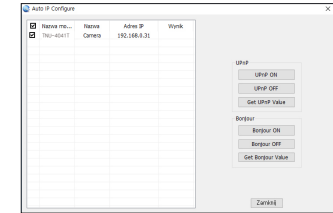
- Przykład środowiska dynamicznego IP
  - Jeżeli do Ruter szerokopasmowy IP z podłączonymi kamerami zostanie przypisany adres IP przez serwer DHCP
  - Jeżeli kamera zostanie podłączona bezpośrednio do xDSL lub modemu kablowego za pomocą protokołów DHCP
  - Jeżeli adresy IP są przypisywane przez wewnętrzny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



## AUTOMATYCZNA KONFIGURACJA IP

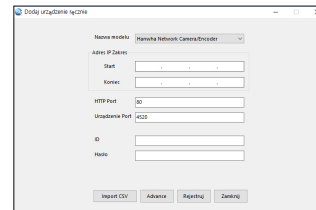
1. Kliknij kamerę z listy dla której chcesz automatycznie skonfigurować IP.
2. Kliknij **<+ >** na głównej stronie programu Device Manager.
  - Pojawi się menu ustawień sprzętu.
3. W menu kliknij **<Auto IP Configure (Auto konfiguracja IP)>**.
4. Kliknij przycisk **[Zamknij]**.



## 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 urządzenia>** – **<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, port VNP, ID oraz hasło.
4. Kliknij przycisk **[Rejestruj]**.
5. Sprawdź, czy kamera jest zarejestrowana.
  - Sprawdź adres MAC na naklejce dołączonej do kamery.



## 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>.

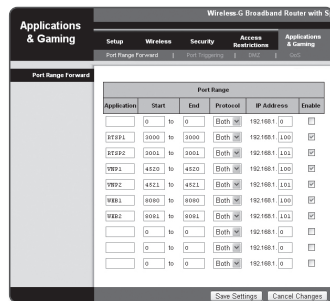
W celu ustawienia przekazywania zakresu portów dla routera innego producenta należy zapoznać się z instrukcją obsługi tego Ruter szerokopasmowy.


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.

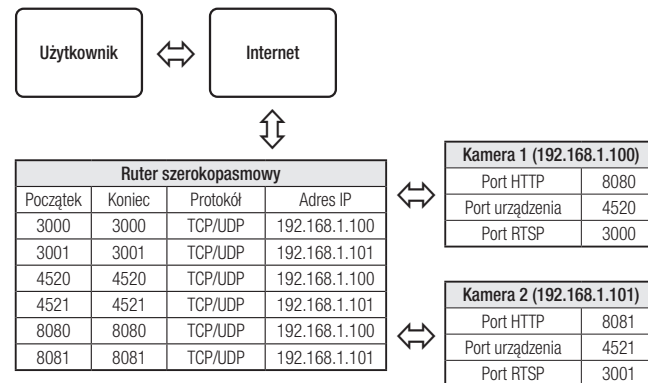



-  ■ Ustawienie przekierowania portu jest przykładem ustawienia routera IP CISCO.
- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego routera.

### 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 routera :



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

## PODŁĄCZANIE DO KAMERY ZA POMOCĄ UDOSTĘPNIONEGO LOKALNEGO KOMPUTERA

---

1. Uruchom program Device Manager.  
Aplikacja 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 klastrze 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>

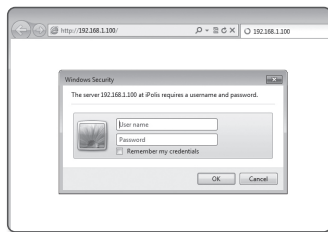


- Aby korzystać z Wisenet DDNS, zarejestruj się na stronie głównej Wisenet DDNS (<http://ddns.hanwha-security.com>) i zarejestruj produkt w [\[Moje DDNS\]](#)> [\[Zarejestruj Produkt\]](#).

## 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 : https://ddns.hanwha-security.com/ID produktu
  - 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).

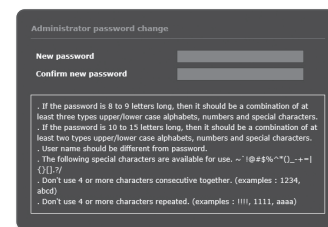
W takim przypadku użytkownik nie będzie informowany o zmianie adresu IP przez DDNS.


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 https://ddns.hanwha-security.com i zarejestruj urządzenie, a następnie dla opcji <Network> - <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.

Po pojawieniu się okna "zmiana hasła" wprowadzić nowe hasło.

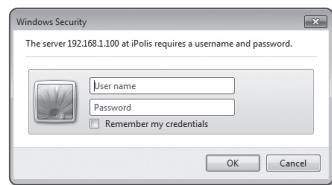


-  ▪ Nowe hasło powinno mieć 8 do 9 znaków długości, w tym 3 znaki wielkie/małe, cyfry i znaki specjalne. Dla hasła 10 do 15 znaków wystarczą 2 znaki wskazane wyżej.
  - Dozwolone znaki specjalne: ~!@#%&^\*()\_+~"{}|.?/[]?/
- Dla poprawy bezpieczeństwa nie zaleca się powtarzania tych samych znaków po 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.

## SPECYFIKACJA OBSŁUGI WTYCZEK DLA KAŻDEJ PRZEGLĄDARKI

Istniejąca przeglądarka Web Viewer z wtyczkami oraz nowa przeglądarka Web Viewer wolna od wtyczek są wbudowane razem.

Dzięki temu przeglądarki Web Viewer można używać w środowiskach nowszych przeglądarek, które nie obsługują wtyczek, takich jak Chrome, EDGE lub FireFox (tylko w 64-bitowej wersji Windows). W przypadku przeglądarek umożliwiających instalację wtyczek, takich jak IE i Safari, instalacja wtyczki jest zalecana.

W zależności od środowiska przeglądarki można zaobserwować następujące różnice:

- **Przeglądarki Chrome, FireFox(Obsługiwana wyłącznie w systemie Windows 64bit), EDGE** : Mimo że przeglądarki te nie obsługują wtyczek, wbudowanej przeglądarki Web Viewer można użyć jako przeglądarki Web Viewer wolnej od wtyczek.

- !
  - Przeglądarka WebViewer bez wtyczek ma niższą wydajność niż przeglądarka WebViewer z wtyczkami, w związku z czym obniża limit monitorowania profili wysokiej jakości i odtwarzania zapisanych wideo. Aby monitorować profile wysokiej jakości i odtwarzać zapisane wideo, użyj przeglądarki WebViewer z wtyczkami lub przeglądarki SmartViewer.
    - Warunki obsługi przeglądarki WebViewer w przeglądarce bez wtyczek: wybrany profil przekracza jakość MJPEG Full HD 10 kI./s H.264 (Chrome: obsługa rozdzielczości w trybie pełnego ekranu / Edge, Firefox, Safari: obsługa rozdzielczości Full HD 30 kI./s lub wyższej) H.265 Full HD 10 kI./s 2 Mb/s lub wyższa
    - Warunki odtwarzania bez wtyczek: rozdzielczość w trybie pełnego ekranu MJPEG/H.264, H.265 HD lub niższa
  - Obsługa funkcji bez wtyczek została zoptymalizowana pod kątem przeglądarki Chrome.
  - Obsługa adaptacyjnej transmisji strumieniowej
    - Funkcja ta automatycznie obniża profil w przypadku wystąpienia opóźnienia przekraczającego 5 sekund. Została opracowana w celu wyeliminowania takich problemów, jak wzrost czasu oczekiwania i brak odpowiedzi przeglądarki podczas odtwarzania wideo w systemie o parametrach sprzętowych niższych niż zalecane. Profil wideo zostaje redukowany w następującej kolejności: 1920X1080(20fps) -> 1280X720(20fps) -> 640X480(20fps).

- **Przeglądarki IE, Safari** : Przeglądarki Web Viewer można używać nawet bez instalowania istniejącej przeglądarki Web Viewer z wtyczkami.

- !
  - Do płynnego monitorowania/odtwarzania zapisanego wideo wymagana jest instalacja wtyczki.

## INSTALACJA DODATKU WebViewer

Aby uzyskać dostęp do przeglądarki, pojawi się komunikat z zapytaniem o wtyczkę przeglądarki wideo na żywo (H.264/H.265) lub odtwarzania zarejestrowanego filmu. Wtedy należy zainstalować wtyczkę przeglądarki, aby ta funkcja mogła działać w sposób prawidłowy.

1. Podczas pierwszego wejścia na stronę monitoringu, wyświetlana jest strona instalacji. Aby rozpocząć instalację, kliknąć w [Download plugin].
- !
  - Jeżeli w Internet Explorer status pobierania pliku do instalacji wtyczki jest zawieszony po osiągnięciu na 99%, powtórzyć operację po wybraniu "Wyłącz filtr Smart Screen" w "Narzędzia → Filtr Smart Screen".
2. Kliknąć w [Run] na oknie dialogowym.
3. Kliknąć [Yes] na oknie dialogowym zawierającym komunikat, że wszystkie okna przeglądarki zostaną zamknięte.
- ✍
  - Kroki 4 i 5 mogą zostać pominięte, jeżeli nie zainstalowano wtyczek Web Viewer.
4. Gdy zainstalowana jest stara wersja wtyczki Web Viewer, ukaże się okno z komunikatem, że stara wersja zostanie usunięta. Kliknąć [Yes] na oknie dialogowym.
5. Kliknąć [OK].  
Poprzednia wersja wtyczki Web Viewer została usunięta.
6. Kliknąć [Install] aby rozpocząć instalację wtyczki Web Viewer.
7. Kliknąć [Finish].  
Instalacja wtyczki Web Viewer jest zakończona.
- !
  - W IE, po zainstalowaniu wtyczki, należy sprawdzić czy kontrolka wtyczki webviewer\_activex w menu "Narzędzia → Dodatkowe Funkcje Zarządzania" jest "Aktywowana". Jeśli nie, a problem nadal występuje, wybrać "Narzędzia → Opcje Internetowe → Ogólne" i usunąć wszystkie wyszukane rekordy. Jeśli problem będzie występował nadal, zarejestruj adres IP lub domenę swojej kamery w menu „Narzędzia → Opcje internetowe → Zabezpieczenia → Zaufane witryny”.

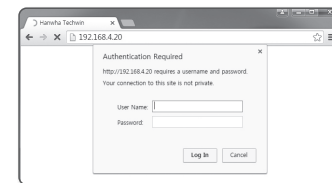
## UŻYTKOWANIE BEZPŁATNEJ WTYCZKI PRZEGLĄDARKI

Mimo że nie można zainstalować wtyczek osobno, po uzyskaniu dostępu do kamery za pośrednictwem przeglądarki WWW Google Chrome, Mozilla Firefox lub MS Edge obraz z kamery można wyświetlać i sterować nim bez konieczności instalowania wtyczek.

1. W celu zalogowania się podaj swoją nazwę użytkownika i hasło.
2. Po zalogowaniu się wyświetlony zostanie ekran z widokiem na żywo z kamery.

### Ustawianie kamery

1. Kliknij ikonę [Ustawienia (⚙)].
2. Wyświetlone zostanie okno Ustawienia.
3. Umożliwia ono zarządzanie za pośrednictwem sieci ustawieniami dotyczącymi podstawowych informacji o kamerze, PTZ, wideo i dźwięku, sieci, zdarzeń, analizy, systemu i platformy otwartej.
4. Kliknij opcję <Pomoc (🔗)>, aby wyświetlić 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 wyświetli 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 wyświetlania 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 można sterować systemem.	<ul style="list-style-type: none"> <li>Sprawdź zasilanie. Upewnij się, czy zasilanie jest włączone.</li> <li>Sprawdź, czy jest podłączony kabel komunikacyjny.</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> <li>Jeśli kamera jest podłączona przez sieć PPPoE, możliwe jest odłączenie programu podglądu w przypadku pogorszenia warunków działania sieci.</li> </ul>
Nie mogę się połączyć z systemem, korzystając z przeglądarki Internet Explorer 7.0 z obsługą kart.	<ul style="list-style-type: none"> <li>Może pojawić się błąd przy łączeniu z nowym oknem lub zakładką, z powodu dzielenia danych cookie. Nie używać nowego okna czy zakładki, wybrać "Plik → Nowa sesja”.</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 multiemisji. 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 multiemisja, sprawdź, czy router w sieci lokalnej, do którego jest podłączona kamera, obsługuje multiemisję.</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>
Czy mogę określić zasady zdarzeń, nawet bez używania opcji <MD / VA>?	<ul style="list-style-type: none"> <li>Tak, można. Można ustawić zasady zdarzeń niezależnie od ustawień inteligentnej analizy obrazu wideo.</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;Setup&gt; → &lt;Event&gt; → &lt;Nagrywaj&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 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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Component Name	License	URL
Base Kernel	GPL 3.0	
Busybox	GPL 2.0	<a href="http://www.busybox.net/downloads/snapshots">http://www.busybox.net/downloads/snapshots</a>
iproute2-3.1.0	GPL 2.0	
alsa-utils-1.0.24.2	GPL 2.0	
alsa-lib-1.0.24.1	GPL 2.0	
iptables-1.4.12.2	GPL 2.0	<a href="http://ftp.netfilter.org/pub/iptables">http://ftp.netfilter.org/pub/iptables</a>
ethtool-3.2	GPL 2.0	
mtd-1.4.1	GPL 2.0	<a href="ftp://ftp.infradead.org/pub/mtd-utils">ftp://ftp.infradead.org/pub/mtd-utils</a>
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.10	GPL 2.0	<a href="http://www.roaringpenguin.com/pppoe/">http://www.roaringpenguin.com/pppoe/</a>
wpa_supplicant-0.7.3	GPL 2.0	
bash-4.2	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 (The Manual and test suite are GPL)	<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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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.

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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.

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#### **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

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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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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.

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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)

bzip2/libbzip2 version 1.0.5 of 10 December 2007

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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](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.

