

WISENET

KAMERA SIECIOWA

Instrukcja obsługi

PNM-9084RQZ/PNM-9085RQZ
PNM-9084RQZ1/PNM-9085RQZ1



Kamera Sieciowa

Instrukcja obsługi

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.

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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 lekceważąc 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 w 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 12 Vdc, 3,2 A lub PoE(55 Vdc), 0,77 A. (PNM-9084RQZ)
- Do zasilania tego produktu przewidziano atestowany zasilacz kategorii „Class 2” lub „LPS” o parametrach znamionowych od 12 Vdc, 3,5 A lub PoE(55 Vdc), 0,82 A. (PNM-9085RQZ)
- Nie należy jednocześnie używać źródła zasilania prądem stałym i iniektora zasilania HPoE.
- 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 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 podłączanie (Installation and connection)” w podręczniku użytkownika.
- Instalacja lub eksploatacja produktu w wodzie może doprowadzić do jego poważnego uszkodzenia.
- Ten model należy montować poziomo. W przypadku montażu pionowego kamera może ulec uszkodzeniu w wyniku nieprawidłowego działania.

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

UWAGA

	UWAGA NIEBEZPIECZEŃSTWO PORAŻENIA PRĄDEM. NIE OTWIERAĆ	
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.		

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 wytyczkami 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.

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.
- Nie należy regulować ani przesuwać obiektywu rękami. Może to spowodować uszkodzenie obiektywu lub pogorszenie jego wydajności.
- Oczekiwana żywotność silnika obiektywu wynosi 200 obrotów.

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.

UWAGA

Nie należy patrzeć na pracującą lampę IR LED, aby uniknąć uszkodzenia wzroku.

Dotyczy tylko poniższych modeli.

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Grupa ryzyka 1
UWAGA ten produkt emituje światło podczerwone.
Nie wolno patrzeć na pracującą lampę.
Produkt przebadany zgodnie z normą IEC 62471

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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

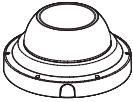






※ Wydajność odtwarzania wideo w przeglądarce internetowej zależy od wydajności procesora i karty graficznej użytkownika.

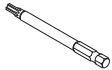




SPECYFIKACJA ZAŁECANYCH KART PAMIĘCI MICRO SD/SDHC/SDXC

- Zalecana pojemność: Zalecana pojemność: od 16 do 256 GB (typ MLC)
- Zaleceni producenci: SanDisk, Transcend
- Rodzaj produktu: Wysoka wytrzymałość
- Zgodność zależy od producentów i typów kart.
- Zalecane jest użycie karty pamięci o pojemności co najmniej 16 GB, zgodnej ze specyfikacją 3 klasy UHS (typ MLC).

CO ZNAJDUJE SIĘ W OPAKOWANIU

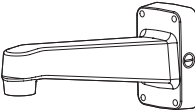
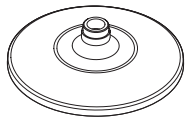
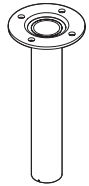
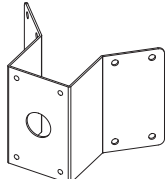
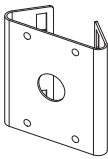
Należy sprawdzić, czy w opakowaniu znajduje się kamera oraz wszystkie akcesoria.
(Akcesoria nie są identyczne i zależą od kraju sprzedaży)

Wygląd	Nazwa elementu	Liczba	Opis
	Kamera	1	
	Skrócona instrukcja obsługi (Opcjonalny)	1	
	Szablon	1	Instrukcja montażu urządzenia
	Terminal zasilania	1	Włączona do gniazdka
	Kabel zasilający	1	Podłączyć do portu zasilania
	Śruby	4	Śruby używane do montażu kamery na zawieszce, GangBox itd.
	Narzędzie do instalacji nasadki	1	Służy do podłączenia kabla RJ45

Wygląd	Nazwa elementu	Liczba	Opis
	Końcówka wiertarki	1	Używana do demontażu i montażu pokrywy kopułki oraz do instalacji kamery.
	Tulejka kablowa	1	Zapassowe tuleje do kabli LAN lub kabli alarmowych i audio.
		1	
	Konwerter sieciowy HPoE	1	Służy do podłączania zasilania i sieci
	Kabel audio/alarm	1	Podłączyć do portu audio i alarm

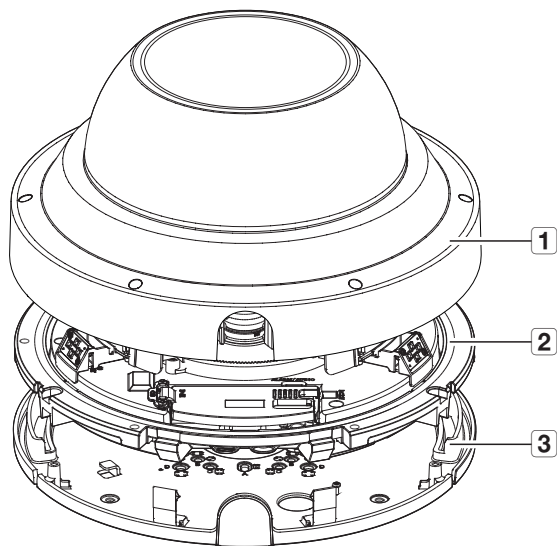
OPCJONALNE AKCESORIA MONTAŻOWE

Dostępne są w sprzedaży odpowiednie opcjonalne akcesoria.

Typ produktu	Montaż ścienny	
Nazwa modelu	SBP-390WMW2	
		
Typ produktu	Montaż wiszący	Ceiling mount
Nazwa modelu	SBP-317HMW	SBP-300CMW
		
Typ produktu	Montaż narożny	Montaż na słupku
Nazwa modelu	SBP-300KMW	SBP-300PMW
		

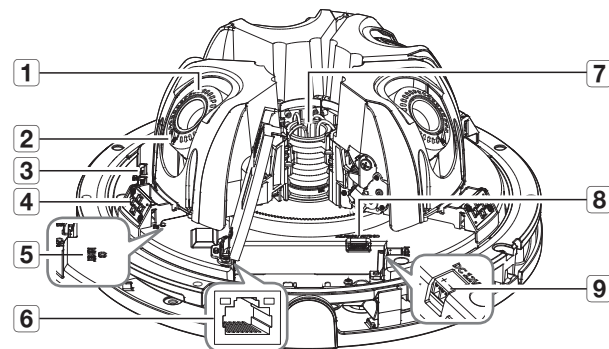
SPOJRZENIE NA KAMERĘ

Wygląd



Element	Opis
1 Pokrywa kopułkowa	Ostona chroniąca obiektyw i urządzenie główne.
2 Korpus kamery	Część korpusu, w której znajdują się obiektyw kamery i zaciski przyłączeniowe.
3 Płytkę montażową	Płytkę, która mocuje kamerę podczas montażu do sufitu lub mocowania do sprzedawanego oddzielnie uchwyty.

Komponentowy



Element	Opis
1 Obiektyw	Obiektywy 4 kamer skierowane są w różne strony.
2 Czujnik oświetlenia	Wykrywa natężenie światła i steruje diodą podczzerwieni.
3 Komora karty pamięci Micro SD	Komora na kartę pamięci Micro SD.
4 Dioda podczzerwieni	Diody podczzerwieni są sterowane za pomocą czujnika oświetlenia.
5 Przycisk Reset	Ten przycisk przywraca wszystkie ustawienia kamery do wartości domyślnych. Naciśnij i przytrzymaj przez około 5 sekund, aby uruchomić system ponownie. ! 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.
6 Port połączenia HPoE	To złącze pozwala przyłączyć zasilanie i sieć poprzez iniektor HPoE lub łączy się z siecią przewodem Ethernet.

Element	Opis	
7 Kable	Kolor - CH 1: Czerwony CH 2: Zielony CH 3: Niebieski CH 4: Czarny	
8 Kabel audio i alarmowy	ARM-IN	Służy do podłączenia czujnika alarmu lub zewnętrznego czujnika dzień/noc.
	ARM-OUT	Służy do podłączania sygnału wyjściowego alarmu.
	GND	To są wspólne porty do podłączenia sygnałów wejściowych/wyjściowych alarmu.
	MIC	Służy do podłączania mikrofonu.
	SPEAKER	Służy do podłączania głośników.
9 Gniazda Zasilania	Port do terminalu zasilania.	

INSTALACJA

- ! Kamera jest wodoszczelna i spełnia wymogi IP66, z wyłączeniem przyłącza zewnętrznego kabla. Zaleca się montaż tego urządzenia pod okapem dachu, tak aby uchronić kabel przed działaniem warunków zewnętrznych.

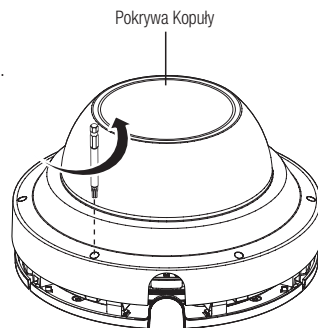
Środki ostrożności przed montażem

Przed przystąpieniem do montażu kamery należy przeczytać poniższe instrukcje:

- Wybierz miejsce instalacji, które może utrzymać pięciokrotną masę kamery.
- 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.
- Użycie zbyt dużej siły w celu montażu może doprowadzić do uszkodzenia kamery z powodu jej nieprawidłowego działania. Montaż przy użyciu siły i nieodpowiednich narzędzi może doprowadzić do uszkodzenia produktu.

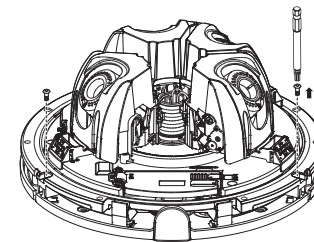
Demontaż

1. Zdemontować pokrywę kopułki, odkręcając jej śrubę mocującą. W tym celu należy wykręcić ją przeciwnie do ruchu wskazówek zegara przy użyciu końcówki do wkrętarki dołączonej do zestawu.

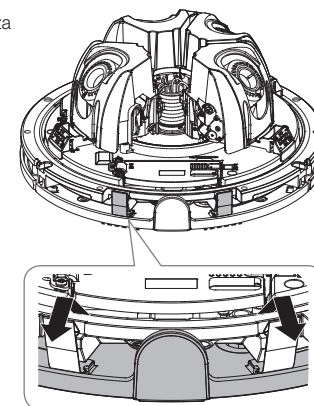


2. Poluzować śrubę mocującą korpus kamery.

- ! Nie należy regulować ani przesuwać obiektywu rękami. Może to spowodować uszkodzenie obiektywu lub pogorszenie jego wydajności.

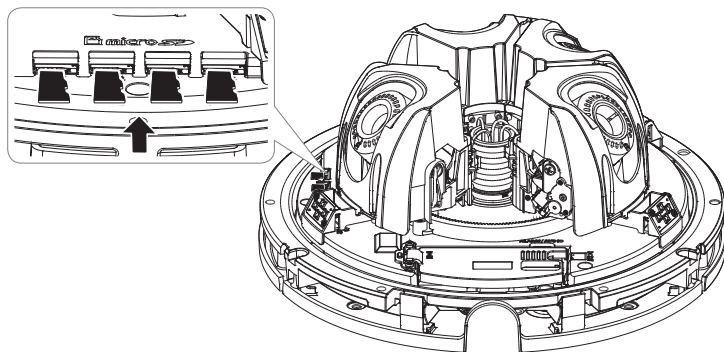


3. Zdemontować korpus kamery i płytkę montażową, pociągając za sprężynę, jak pokazano na ilustracji.



Wkładanie karty pamięci Micro SD

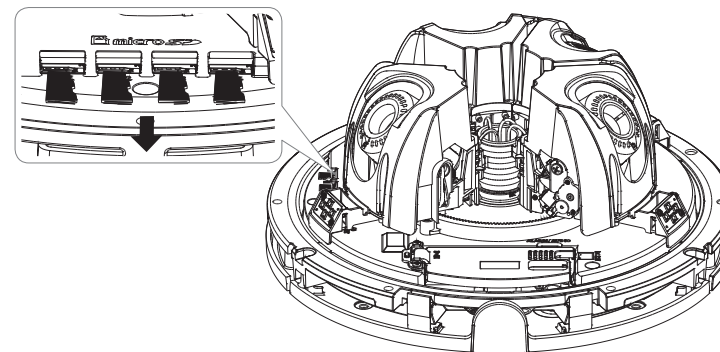
1. Zdejmij osłonę kopuły kamery.
2. Umieść kartę Micro SD w kierunku wskazywanym przez strzałkę na rysunku.



- ! ■ Przed włożeniem karty pamięci Micro SD odłącz kabel zasilania od kamery.
- Nie wolno na siłę wkładać karty pamięci Micro SD w odwrotnym kierunku. Może się uszkodzić lub spowodować uszkodzenie produktu.
- W przypadku deszczu lub wysokiej wilgotności wkładanie i wyjmowanie karty Micro SD nie jest zalecane.
- Pokrywa produktu powinna być zdemontowana w ciągu maksymalnie 5 minut. W przeciwnym razie wystąpi ryzyko skraplania się pary wodnej we wnętrzu urządzenia.
- Jeśli dioda IR LED blokuje gniazdo Micro SD, wyświetl przegłdarkę i obróć obiektyw tak, aby nie blokował gniazda.

Wymywanie karty pamięci Micro SD

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

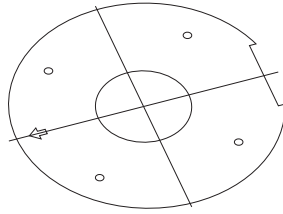


- ! ■ Kartę SD dla każdego kanału należy chronić przed uszkodzeniem.
- Pamiętaj, że silne wciśnięcie i zwolnienie wysuniętej karty Micro SD może spowodować jej wypadnięcie.
- Przed wyjęciem karty pamięci Micro SD, w <Ustawienia (⚙)>><Zdarzenie>><Pamięć>, ustaw urządzenie na <Wyt.> i naciśnij przycisk <Zastosuj> a następnie wyłącz kamerę.
- W przypadku wyłączenia kamery lub wyjęcia karty pamięci Micro SD, która zawiera dane z produktu, dane te mogą ulec utracie lub zniszczeniu.

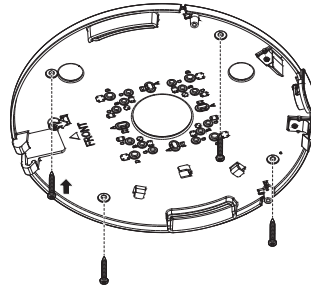
Instalacja (płytki montażowej)

[Bezpośrednia instalacja na suficie]

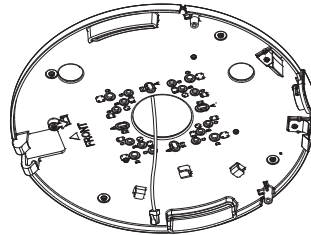
1-1. Przymocuj szablon montażowy na żądanej powierzchni i wywierć otwory na śruby i kable.



1-2. Zamocuj płytkę montażową za pomocą odpowiednich śrub.



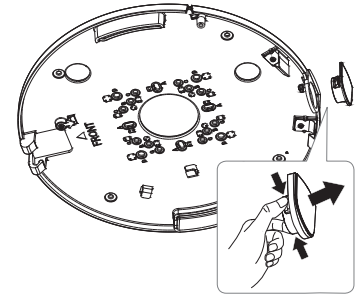
1-3. Wyciągnij niezbędne kable pomiędzy kablami zasilania / LAN / audio i alarmowymi przez otwór w płytce montażowej.



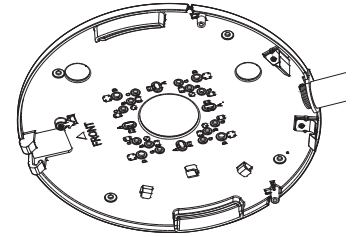
[Instalacja z użyciem rurki]

2-1. Przymocuj szablon instalacyjny i wywierć otwory na śruby i kable.

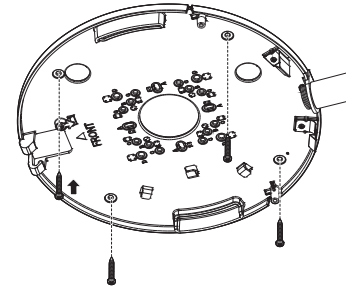
2-2. Odczep pokrywę rurki od płytki montażowej naciskając na boki.



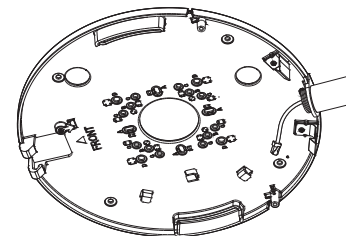
2-3. Ustaw rurkę na płytce montażowej.



2-4. Zamocuj płytkę montażową za pomocą odpowiednich śrub.



2-5. Wyciągnij niezbędne kable pomiędzy kablami zasilania / LAN / audio i alarmowymi przez rurkę.

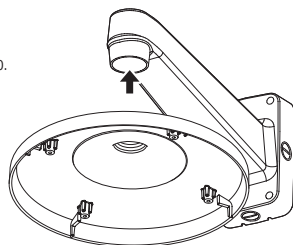


[Montowanie do zasilacza (kupowany oddzielnie)]

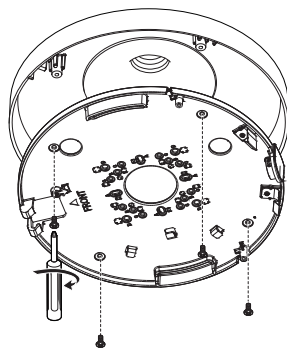
Wybierz i kup wymaganą opcję z poniższych (kupowane oddzielnie), w zależności od miejsca montażu lub własnych preferencji.

3-1. Przymocuj wiszące mocowanie do adaptera do montażu na ścianie.

- Adaptery do montażu na ścianie i wiszące mocowania sprzedawane są osobno.

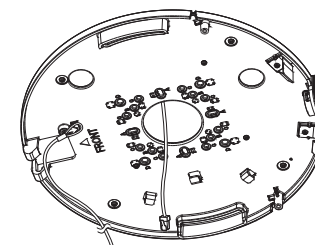


3-2. Połącz płytkę montażową z uchwytem wiszącym.



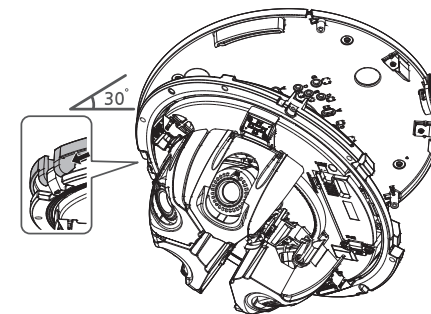
Instalacja (korpus kamery i pokrywa kopuły)

1. Podłącz kabel zabezpieczający.



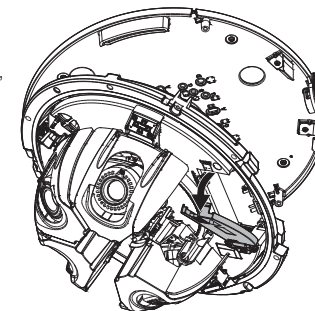
2. Zamocuj korpus kamery na płytce montażowej.

- Zamocuj go tak, aby pasował do zawiasów, jak pokazano na obrazku.

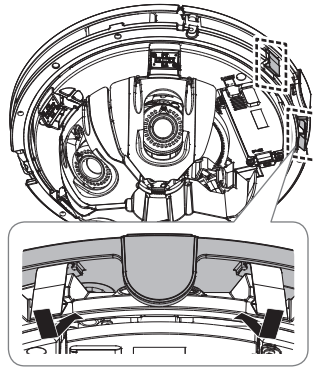


3. Otwórz osłonę kabla na korpusie kamery.

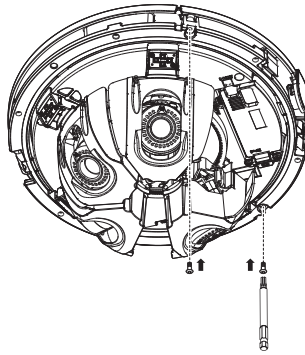
- 4. Podłącz złącza wewnątrz kamery przy użyciu niezbędnych kabli, a następnie zamknij osłonę.



5. Popchnij sprężynę płytkową, aż zaskoczy na miejsce, jak pokazano na rysunku.

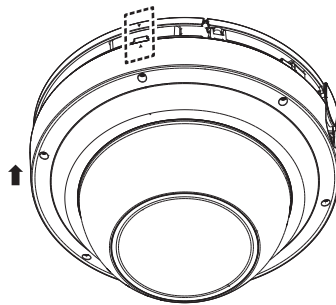


6. Za pomocą śrub mocujących na korpusie kamery przymocuj korpus kamery do płytki montażowej.



7. Zamontuj pokrywę kopułki.

- Podczas montażu pokrywy kopułki ustaw strzałki tak, aby pokrywały się.
- Aby mieć pewność, że obudowa będzie wodoszczelna, mocno dokręć śruby mocujące przy użyciu końcówki wkrętaka.

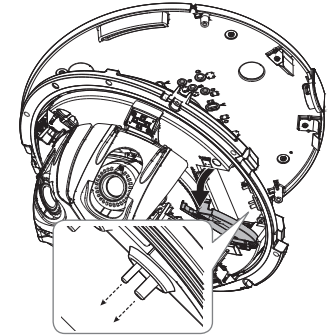


Podłączyć wodoodporny kabel zasilający i kabel LAN

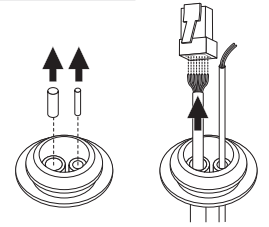
- ! Przy podłączeniu użyć właściwej tulejki kablowej.
- Kamera podstawowa: Użyć kabla Ø5~6.5.
 - Inne elementy: Użyć kabla Ø7~8.5

[Metoda 1. Montaż kabli LAN/zasilania]

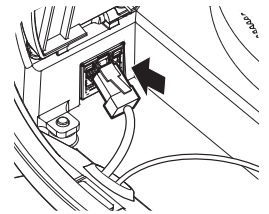
1. Zdejmij wytłaczane części tulei do zastosowania tak jak pokazano na rysunku.



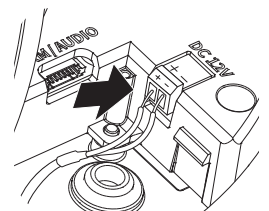
2. Przeprowadź kabel LAN przez duży otwór w tulei.
3. Zdjąć izolację przycinarką do kabli i ułożyć kable.
4. Podłączyć wtyk LAN i zarobić zaciskarką.



5. Podłącz gotowy kabel do portu HPoE.

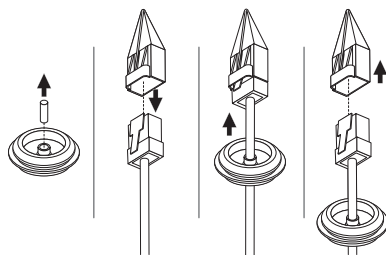


6. Przeprowadź kabel zasilający przez mały otwór w tulei i podłącz go do dostępnego bloku zacisków.

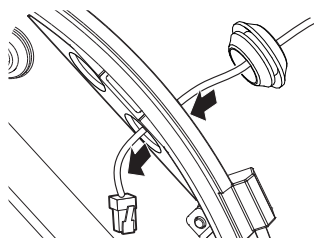


[Metoda 2. Montaż kabla LAN (przy użyciu iniektora HPoE)]

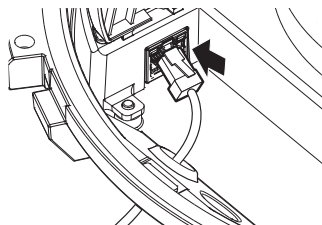
1. Wyciągnij wytłoczoną część dostępnej 1-otworowej tulei.
2. Użyj instalatora czapkowego, aby przewinąć kabel LAN.



3. Zamontuj tuleję na korpusie kamery.

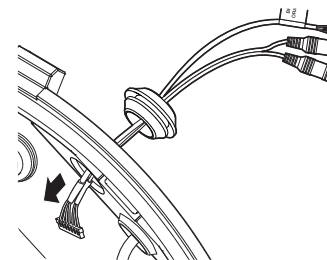


4. Podłącz kabel LAN do portu HPoE.

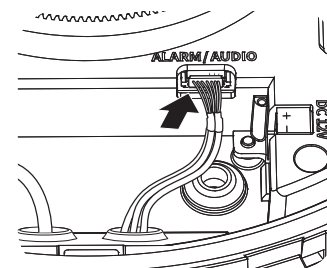


Instalacja kabli audio i alarmu

1. Zamontuj tuleję dostarczonych kabli audio i alarmowych na korpusie kamery.



2. Podłącz kabel audio i alarmowy do złącza ALARM/AUDIO.



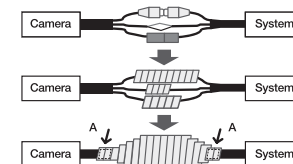
Montaż na zewnątrz budynku

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



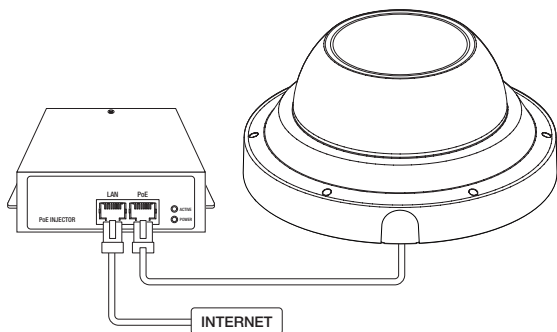
- Jeśli osłonka kabla nie jest właściwie uszczelniona, może to być bezpośrednią przyczyną przecieku. Zapewnić szczelność kabla przez ściśle owinięcie jego taśmą.
- Taśma butylowo-kauczukowa jest wykonana z kauczuku butylowego, który można rozciągnąć do jego dwukrotnej pierwotnej długości.



PODŁĄCZANIE INNEGO URZĄDZENIA

Zasilanie i sieć

Połącz urządzenie HPoE ze złączem HPoE kamery.



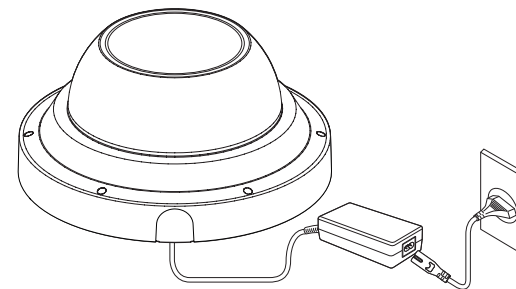
- ! Podłącz i użyj routera z obsługą HPoE.
- Użyj urządzenia HPoE zgodnego ze standardem IEEE802.3bt (PSE TYPE 3 lub 4).
- Jeśli łączysz się za pomocą routera z obsługą HPoE, nie potrzebujesz do niego oddzielnego przewodu zasilania.

Specyfikacja kabla sieciowego

Przedmiot	Zawartość	Uwagi
Łącze	RJ45 (10/100/1000BASE-T)	
Ethernet	10/100/1000BASE-T	W celu obsługi standardu 1000BASE-T w przypadku koncentratora gigabitowego należy użyć przewód o standardzie Kategoria 6 lub wyższym.
Kabel	Kategoria 6	
Odległość maks.	100M	Oporność pr. stałego $\leq 0,188 \Omega/m$
HPoE	HPoE	

Źródło zasilania

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



- ! Zalecany jest adapter o wyższym DC 12V 4A.
- Do zasilania urządzenia zalecamy użycie iniektorów zasilania HPoE.
- Nie należy jednocześnie używać źródła zasilania prądem stałym i iniektora zasilania HPoE.
- Podczas podłączania kabla zasilającego należy zwrócić uwagę, aby nie odwrócić biegunowości.
- Aby podłączyć urządzenie zewnętrzne, należy wyłączyć je przed kontynuowaniem.

Specyfikacja przewodu zasilania

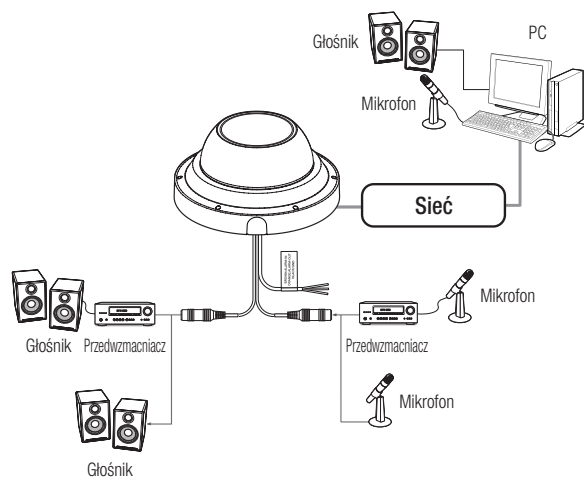
Wejście DC 12 V :

Typ przewodu (AWG)	#14	#16
Długość przewodu (maks.)	14m	9m

Połączenie typu Ethernet

Podłącz kabel Ethernet do sieci lokalnej lub do Internetu.

Schemat blokowy wejść i wyjść audio



1. Połącz port AUDIO IN kamery z mikrofonem lub port LINE OUT wzmacniacza, do którego podłączony jest mikrofon, z bezpośrednim złączeniem mikrofonu.
2. Połącz port AUDIO OUT kamery z głośnikiem lub portem LINE IN wzmacniacza, do którego podłączony jest głośnik.
3. 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), AAC (Bit Rate: 48Kbps / Sampling Frequency: 16kHz)
- Wyjście audio : G.711 PCM (Szybkość transmisji: 64kbps / Częstotliwość próbkowania: 8kHz)

• Dźwięk w trybie pełnego duplexu

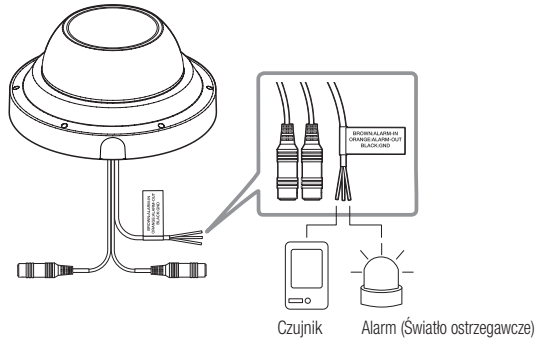
- **Wejście audio** : Do wyboru (mikrofon/wejście liniowe), napięcie zasilania: 2,5 VDC (4 mA), impedancja wejściowa: 2 kOhm
- **Wyjście audio** : Liniowe (typu Jack 3,5 mm, mono), Maksymalna moc wyjściowa: 1 Vms
- **Impedancja wyjścia liniowego** : 600omów



- W przypadku dostępu do przeglądarki internetowej i wyboru mikrofonu zewnętrznego jako źródła dźwięku w <Wideo i Audio> - <Ustawienia dźwięku>, zalecane są następujące dane techniczne:
 - Zakres częstotliwości: 40-16,000 Hz
 - Impedancja: 1,500 Ω
 - Czułość: -40±3 dB (7,1-14,1 mV)

Podłączenie gniazd wej./wyj.

Podłączyć kabel Wej./Wyj./ Alarmu do odpowiedniego portu na obudowie.



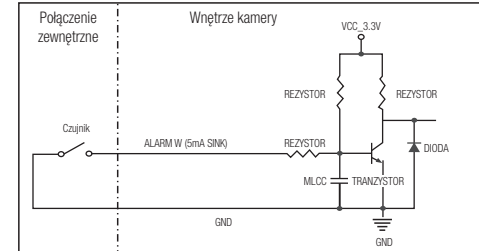
- ALARM-IN : Służy do podłączenia czujnika alarmu lub zewnętrznego czujnika dzień/noc.
- ALARM-OUT : Służy do podłączania sygnału wyjściowego alarmu.
- GND : Wspólny port sygnału wejściowego/wyjściowego alarmu.

! 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. Proszę sprawdzić **Włącz alarm schematu obwodów** przy podłączaniu urządzeń, których napięcia zasilania wykraczają ponad podane specyfikacje.

Podłączenie zewnętrznego czujnika

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

Alarm w schemacie obwodów



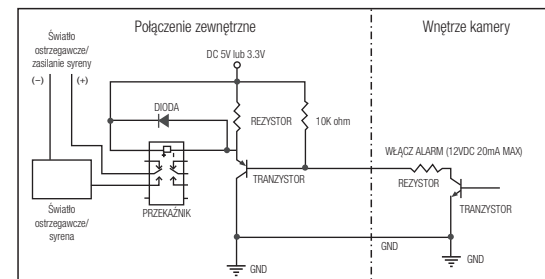
Aby odłączyć alarm

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.

! Metoda N.C. (normalnie zamknięta - rozwierna) nie jest obsługiwana.

Włącz alarm schematu obwodów

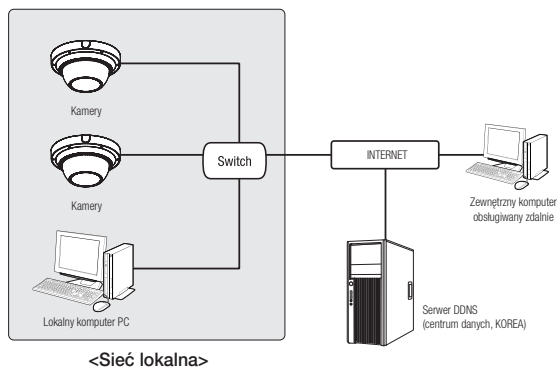


Można skonfigurować ustawienia sieciowe zgodnie z charakterystyką sieci użytkownika.

PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO SIECI LOKALNEJ

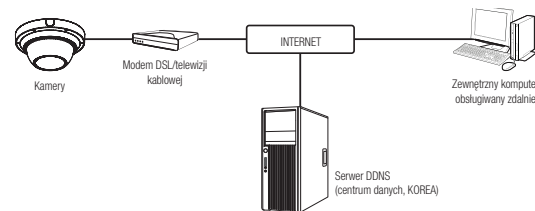
Podłączanie do kamery lokalnego komputera PC przyłączonego do sieci lokalnej

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 20)

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.

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.

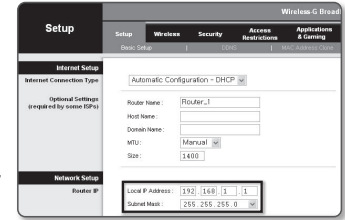
Jeżeli nie jest używany Ruter szerokopasmowy

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.
- 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 22)

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 Subnet Mask Gateway	192.168.1.100 255.255.255.0 192.168.1.1
Ustawienia związane z portem	HTTP Port RTSP Port	8080 554

- 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://192.168.1.100:8080](http://Adres IP; port HTTP)

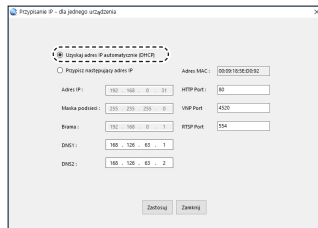
- Kliknij przycisk [Zastosuj].
- Jeśli wyświetlona zostanie wiadomość o powodzeniu, kliknij [OK].

Konfigurowanie dynamicznego IP

Odbierz adres IP z DHCP.

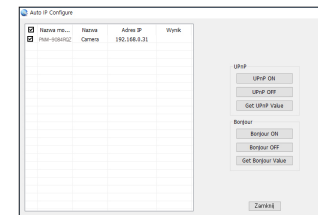
- Przykład środowiska dynamicznego IP
 - Jeżeli do Ruter szerokopasmowy IP z podłączonymi kamerami zostanie przypisany adres IP przez serwer DHCP
 - Jeżeli kamera zostanie podłączona bezpośrednio do xDSL lub modemu kablowego za pomocą protokołów DHCP
 - Jeżeli adresy IP są przypisywane przez wewnętrzny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

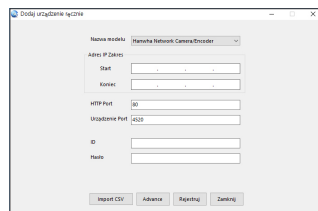
1. Kliknij kamerę z listy dla której chcesz automatycznie skonfigurować IP.
2. Kliknij **< + >** na głównej stronie programu Device Manager.
 - Pojawi się menu ustawień sprzętu.
3. W menu kliknij **<Auto IP Configure (Auto konfiguracja IP)>**.
4. Kliknij przycisk **[Zamknij]**.



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, ID oraz hasło.
4. Kliknij przycisk **[Rejestruj]**.
5. Sprawdź, czy kamera jest zarejestrowana.
 - Sprawdź adres MAC na naklejce dołączonej do kamery.

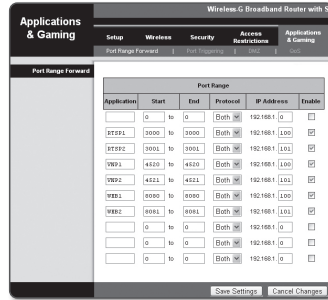


KONFIGUROWANIE PRZEKAZYWANIA ZAKRESU PORTÓW (MAPOWANIA PORTÓW)

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 rutera 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.

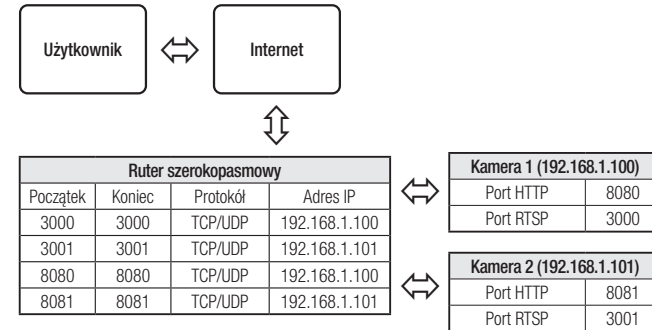


- Ustawienie przekierowania portu jest przykładem ustawienia routera IP CISCO.
- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego routera.

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 połączenia Kamery 1 i Kamery 2 do routera :



- 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 <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>

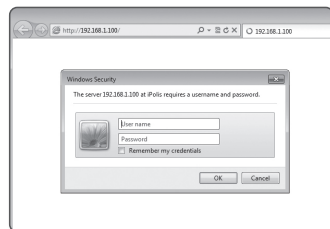


- Aby korzystać z Wisenet DDNS, zarejestruj się na stronie głównej Wisenet DDNS (<http://ddns.hanwha-security.com>) i zarejestruj produkt w [\[Moje DDNS\]](#)> [\[Zarejestruj Produkt\]](#).

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 : 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 została podłączona bezpośrednio do przewodowego modemu DHCP lub DSL, adres IP będzie zmieniał się przy każdej próbie połączenia się z infrastrukturą dostawcy internetowego (firmy, z którą została podpisana umowa o świadczenie usług komunikacyjnych).

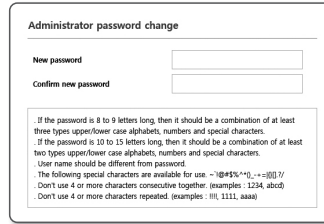
W takim przypadku użytkownik nie będzie informowany o zmianie adresu IP przez DDNS.

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/małe, cyfry i znaki specjalne. Dla hasła 10 do 15 znaków wystarczy 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.

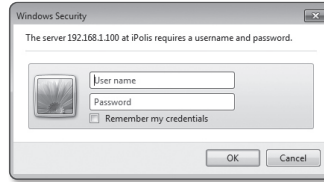


LOGOWANIE

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 wyświetlić szczegółowy opis każdej funkcji.

ROZWIĄZYWANIE PROBLEMÓW

PROBLEM	ROZWIĄZANIE
Nie wyświetli się żadne wideo poprzez dostęp do bezpłatnej przeglądarki na Safari poprzez HTTPS.	<ul style="list-style-type: none"> 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”. 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.
Nie mogę uzyskać dostępu do kamery z przeglądarki internetowej.	<ul style="list-style-type: none"> Sprawdź, czy ustawienia sieciowe kamery są odpowiednie. Sprawdź, czy wszystkie kable sieciowe zostały podłączone prawidłowo. W przypadku łączenia za pomocą DHCP sprawdź, czy kamera otrzymała dynamiczny adres IP. Jeśli kamera jest podłączona do Ruter szerokopasmowy, sprawdź, czy przekazywanie portów zostało skonfigurowane prawidłowo.
Program podglądu został odłączony podczas monitorowania.	<ul style="list-style-type: none"> Podłączone programy podglądu zostają odłączone przy każdej zmianie konfiguracji kamery lub sieci. Sprawdź wszystkie połączenia sieciowe.
Kamera podłączona do sieci nie jest wykrywana w programie Device Manager.	<ul style="list-style-type: none"> Wyłącz cz zaporę na komputerze PC i wyszukaj kamery ponownie.

PROBLEM	ROZWIĄZANIE
Obrazy nakładają się na siebie.	<ul style="list-style-type: none"> 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.
Brak obrazu.	<ul style="list-style-type: none"> Jeśli metoda transmisji to multimedialna, sprawdź, czy router w sieci lokalnej, do którego jest podłączona kamera, obsługuje multimedialną. Upewnij się, że moduł obiektywu działa normalnie.
<Wykrywanie ruchu> z <Analizy> jest w pozycji <Włącz.>, ale nie otrzymuję zawiadomień email nawet jeżeli nastąpiło zdarzenie ruchu.	<ul style="list-style-type: none"> Sprawdź ustawienia w następującej kolejności: <ol style="list-style-type: none"> Sprawdź ustawienia opcji <Data i godzina>. Dla opcji <Wykrywanie ruchu> powinno być wybrane ustawienie <Włącz.>. Zaznacz, jeśli wybrano użycie opcji <E-mail> w menu <Konfig. zdarzeń>.
Nagrywanie na karcie pamięci Micro SD jest niemożliwe.	<ul style="list-style-type: none"> Sprawdź, czy karta pamięci nie jest uszkodzona.
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iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtid-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtid-utils
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
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Component Name	License	URL
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neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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6. "T-Engine Hardware" means the hardware which is manufactured in accordance with the T-Engine Hardware specifications or the μ T-Engine Hardware specifications issued by T-Engine Forum, and registered with T-Engine Forum.
7. "Similar Hardware to T-Engine Hardware" means any hardware (including software which emulates hardware) other than that defined in Article 2.6 above, on which the T-Kernel can be operated.
8. "Ported Source Code" means a source program produced from the Source Code by modifying only its Hardware-dependent Part and/or Compiler-dependent Part to enable it to be operated on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware. The Ported Source Code which is registered with T-Engine Forum shall be included in the Source Code.
9. "Modified Source Code" means a source program modified from the Source Code for the purpose of improving its performance, increasing or decreasing its function, and the like. The Ported Source Code shall not be included in the Modified Source Code.
10. "Binary Code" means an executable code form which is created by compiling programs, which include all or part of the Source Code or the Modified Source Code.
11. "Derivative Work" means the Modified Source Code or the Binary Code.
12. "Embedded Product" means any product which operates with executable code form of the Source Code, the Modified Source Code or the Binary Code loaded on its hardware.
13. "End User" means a consumer who uses the Embedded Product.
14. "System Developer" means any person who develops the Embedded Product by itself or has a third party develop the same, and provides, whether with or without payment, the End User with the Embedded Product.
15. "Distributor of Modification" means any person who produces the Modified Source Code and, whether with or without payment, distributes the same to any third party.

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

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

18. "Source Code User" means a person who uses the Source Code.

19. "Distribution" means any of the following acts:

1. to transmit a work to a large number of specific persons through the Internet communication, broadcasting, and the like;
2. to transmit a work to the general public through the Internet communication, broadcasting, and the like automatically in response to a request from the public; and
3. to distribute a copy of a work to the general public or a large number of specific persons.

Article 3. Copyright

1. The copyrights of the Source Code shall be owned by Ken Sakamura.

Article 4. License of Source Code

1. As provided for in this Article, T-Engine Forum shall provide, and grant a license to use, the Source Code free of charge to any person who has taken the necessary procedure for registration as prescribed by T-Engine Forum and agreed to the T-License.

2. The Source Code shall be distributed exclusively by T-Engine Forum. Any person who obtains the Source Code under Article 4.1 above shall not make any re-Distribution of the Source Code.

3. In accordance with the license granted under Article 4.1 above, the Source Code User may perform the following acts:

1. to copy and/or modify the Source Code provided by T-Engine Forum hereunder for its own research, development and the like.
 2. to run the Source Code provided by T-Engine Forum hereunder for its own research, development and the like.
 3. to run the Source Code modified in accordance with the provision of Article 4.3 (1) above for its own research, development and the like.
 4. to distribute the Binary Code created from the Source Code provided by T-Engine Forum hereunder or from the Source Code modified in accordance with the provision of Article 4.3 (1) above.
4. In accordance with the license granted under Article 4.1 above, the System Developer may perform the following acts:

1. to perform any and all acts set forth in the Article 4.3 above.
2. to develop and manufacture the Embedded Product containing the Binary Code, and, whether with or without payment, provide the End User with the same and make the Binary Code available to the End User on the Embedded Product.

5. The Source Code User and the System Developer shall be obligated to give a notice that the Source Code is used, in such a way as separately specified by T-Engine Forum, when they use the Source Code or the Binary Code, or make the Binary Code available for the End User on the Embedded Product.

Article 5. Distribution of Modified Source Code

1. Any of A- members of T-Engine Forum may become the Distributor of Modification by obtaining the approval of T-Engine Forum through the registration procedure as prescribed by the Forum provided that only the department of the A- member which has taken the registration procedure may distribute the Modified Source Code in such a way as provided for in this Article as long as it holds the Amembership.

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

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

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

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

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

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

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

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

Article 6. Distribution and Registration of the Ported Source Code

1. The Source Code User and the System Developer may, whether with or without charge, distribute to any third party only the following parts of the Ported

Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware:

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

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

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

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

1. The member shall confirm that the object hardware is the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.
2. The member shall provide T-Engine Forum with a complete set of operational environment for the object hardware and T-Kernel free of charge when requesting the distribution.
3. The member shall submit test results of the Ported Source Code to T-Engine Forum when requesting the distribution.

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

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

Article 7. Use for Other Purpose

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

Article 8. Limited Warranty

1. T-Engine Forum and the copyright holder of the Source Code warrant that the Source Code does not infringe third party's copyrights. Provided, however, that T-Engine Forum and the copyright holder of the Source Code make no warranty as to the Hardware-dependent Part and/or Compiler-dependent Part set forth in Article 6.2 in the Ported Source Code by any third party.

2. Neither T-Engine Forum nor the copyright holder of the Source Code warrants that the Source Code will fit for any particular purpose of the Source Code User.

3. Neither T-Engine Forum nor the copyright holder of the Source Code warrants that the Source Code does not infringe any third party's industrial property rights. In no event shall T-Engine Forum and the copyright holder of the Source Code be liable for any dispute which may arise between the Source Code User and a third party in connection with the third party's industrial property rights.

Article 9. Indemnity

1. Neither T-Engine Forum nor the copyright holder of the Source Code shall be liable for any damages (including, but not limited to, damages resulting from loss of profit, business interruption, loss of business information or any other pecuniary damage) arising out of use or impossibility of use of the Source Code, even if T-Engine Forum and the copyright holder have been informed of the possibility of such damages.

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1. In case that T-Engine Forum considers that this License Agreement is breached or that the popularization of T-Kernel is obstructed, T-Engine Forum shall take measures to correct such breach or such obstruction, take measures on the ground of copyright infringement, or take any other necessary measures against the breaching person or the obstructing person, regardless of whether or not the said person is a member of T-Engine Forum.

2. In case of breach of this License Agreement by a member of T-Engine Forum, T-Engine Forum may take appropriate measures against the member; for example, the member is disqualified from membership, depending on what kind of breach has been committed by it.

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

Article 11. Governing Law and Language

1. This License Agreement shall be governed by and interpreted under the laws of Japan.

2. This License Agreement is executed in both Japanese text and English text provided that the Japanese text shall govern the interpretation and performance of this License Agreement.

Apache License 2.0

Component	Name License	URL
mDNSResponder_bonjour	Apache License 2.0	http://www.apache.org/licenses/LICENSE-2.0

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Julian Seward, jseward@bzip.org

bzip2/libbzip2 version 1.0.5 of 10 December 2007

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iperf-2.0.5	University of Illinois / NCSA Open Source

iperf performance test

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Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

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.

