

KAMERA SIECIOWA

Instrukcja obsługi

PNM-9030V



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.

Ograniczenia

Prawa autorskie do tego dokumentu są zastrzeżone. Kopiowanie, rozpowszechnianie lub modyfikowanie treści niniejszego dokumentu, częściowo lub w całości, bez formalnego zezwolenia, jest zabronione.

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 lekceważyć zabezpieczenia wynikającego ze stosowania wtyczek spolaryzowanych lub z uziemieniem. Wtyczka spolaryzowana ma dwa bolce, z których jeden jest szerszy od drugiego. Wtyczka z uziemieniem ma trzy bolce, z czego jeden jest uziemiający. Szerszy lub odpowiednio trzeci bolec stosuje się w celu zapewnienia bezpieczeństwa. Jeśli dostarczona wtyczka nie pasuje do gniazda, skontaktuj się z elektrykiem w celu wymiany przestarzałego gniazda.
- Przewód zasilający przy wtyczkach, oprawach oraz w miejscach, gdzie wystają one z urządzenia należy zabezpieczyć przed możliwością 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 minimalnych parametrach znamionowych 12 V pr. st. i 1,57 A lub PoE, 0,5 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 podłączanie” w podręczniku użytkownika.
- Instalacja lub eksploatacja produktu w wodzie może doprowadzić do jego poważnego uszkodzenia.



- Zniekształcenie ekranu może wystąpić poza odległością od obiektu.
- Przy dostępie do multi-kanalów (Kanał 1-5), z ustawionych 15fps mogą spaść 1 lub 2 fps.
- Podczas kodowania może wystąpić fluktuacja fps w czasie rzeczywistym ± 1 fps.

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

	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 WYKWAŁIFIKOWANYM 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.

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.

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ZALECANE SPECYFIKACJE KOMPUTERA PC

- Procesor: Intel(R) Core(TM) i7 3.4 GHz lub wyższy
 - Obsługiwany system operacyjny: MS Windows, Mac OS X
 - Obsługiwane przeglądarki internetowe: Google Chrome, MS Edge, Mozilla Firefox (Obsługiwana wyłącznie w systemie Windows 64bit), Apple Safari (Obsługiwana wyłącznie w systemie Mac OS X)
- Dodatek zawiera szczegółowe informacje na temat zweryfikowanego systemu operacyjnego i przeglądarek. Niektóre funkcje mogą być ograniczone nawet w obsługiwanych przeglądarkach.

SPECYFIKACJA ZALECANYCH 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/SYNOLOGY	Dostęp jednoczesny dla maksimum 16 kamer.

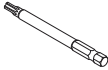


▪ Wykorzystanie urządzeń NAS dla celów innych niż zapis video może spowodować zmniejszenie dostępnej liczby kamer.

CO ZNAJDUJE SIĘ W OPAKOWANIU

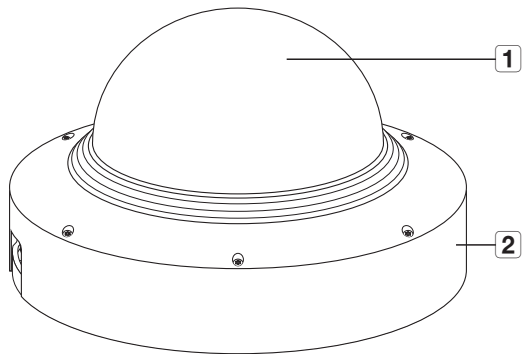
Należy sprawdzić, czy w opakowaniu znajduje się kamera oraz wszystkie akcesoria.
(Akcesoria nie są identyczne i zależą od kraju sprzedaży)

Wygląd	Nazwa elementu	Liczba	Opis
	Kamera	1	
	Instrukcja, płyta CD z programem instalacyjnym	1	
	Skrócona instrukcja obsługi (Opcjonalny)	1	
	Karta gwarancyjna (Opcjonalny)	1	
	Terminal zasilania	1	Włączona do gniazdka
	Szablon	1	Instrukcja montażu urządzenia
	Kabel zasilający	1	Podłączyć do portu zasilania
	Kabel audio/alarm	1	Podłączyć do portu audio i alarm
	Tulejka kablowa	1	Do kabli LAN o średnicy 7-8.5
		1	Do kabli LAN o średnicy 5-6.5

Wygląd	Nazwa elementu	Liczba	Opis
	Klucz imbusowy	1	Wykorzystywany do zdejmowania i wymiany kopuły.
	Wkręt samogwintujący	4	Służy do montażu na suficie lub na ścianie.
	Plastikowa obsadka	4	Służy do wkręcania śruby w otwór (dodatkowe zabezpieczenie śruby)
	Śruby	4	Używane do montażu obudowy kopuły w przypadku instalacji produktu na rurze, uchwycie ściennym itd. lub w przypadku blokowania otworu.
	Narzędzie do instalacji nasadki	1	Służy do podłączenia kabla RJ45
	Element pochłaniający wilgoć w kształcie karty	1	Podłączany po zainstalowaniu.
	Końcówka wiertarki	1	Używana do demontażu i montażu pokrywy kopułki oraz do instalacji kamery.

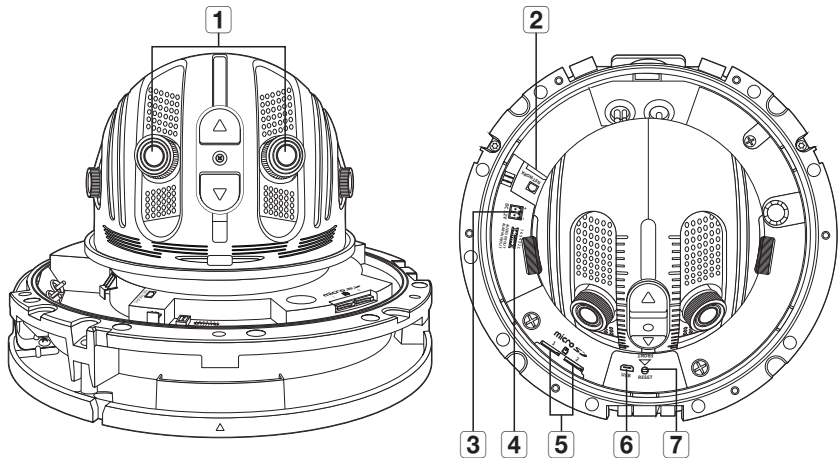
SPOJRZENIE NA KAMERĘ

Wygląd



Element	Opis
1 Pokrywa kopułkowa	Ostona chroniąca obiektyw i urządzenie główne.
2 Obudowa kamery	Część obudowy osłaniająca główną część urządzenia.

Komponentowy



Element	Opis
1 Obiektyw	4 obiektywy kamer tworzą obraz panoramiczny.
2 Gniazdo Sieć	Zacisk służący do podłączania PoE+ lub LAN za pośrednictwem kabla RJ-45.
3 Gniazda Zasilania	Port do terminalu zasilania.
4 Port kabla audio i alarmu	Podłączyć do tego portu kabel audio i alarmu z zewnętrznych urządzeń alarmu/mikrofonu/głośnika.
5 Komora karty pamięci Micro SD	Komora na kartę pamięci Micro SD.
6 Port MICRO USB	Port umożliwiający podłączenie klucza sprzętowego WiFi. Video przedstawiające instalację można odtworzyć za pośrednictwem aplikacji zainstalowanych w smartfonie. Więcej informacji zawiera rozdział „Łączenie z siecią WiFi” na stronie 16. ■ Klucz WiFi i adapter OTG są sprzedawane osobno.
7 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, konieczne jest uruchomienie aplikacji IP Installer i zmiana podstawowych ustawień sieciowych, takich jak adres IP, maska podsieci, brama itd., aby połączyć się z siecią.

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.

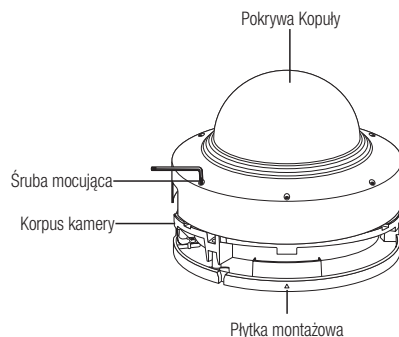
Środki ostrożności przed montażem

Przed przystąpieniem do montażu kamery należy przeczytać poniższe instrukcje:

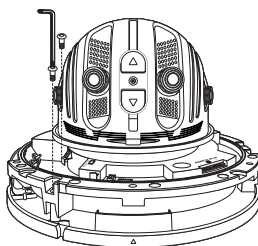
- Wybierz miejsce instalacji, które może utrzymać pięciokrotną masę kamery.
- Zmiażdżone lub "gole" przewody mogą być przyczyną uszkodzenia urządzenia lub pożaru.
- Ze względów bezpieczeństwa nie należy dopuszczać innych osób w pobliżu miejsca montażu. Na wszelki wypadek należy również odsunąć rzeczy 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

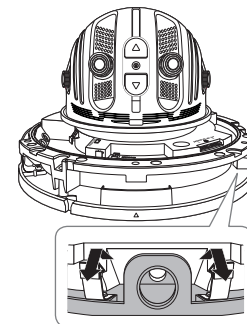
1. Zdemontować pokrywę kopułki, odkręcając jej śrubę mocującą. W tym celu należy wykręcić ją przeciwnie do ruchu wskazówek zegara przy użyciu klucza imbusowego lub końcówki do wkrętarki dołączonej do zestawu.



2. Poluzować śrubę mocującą korpus kamery.

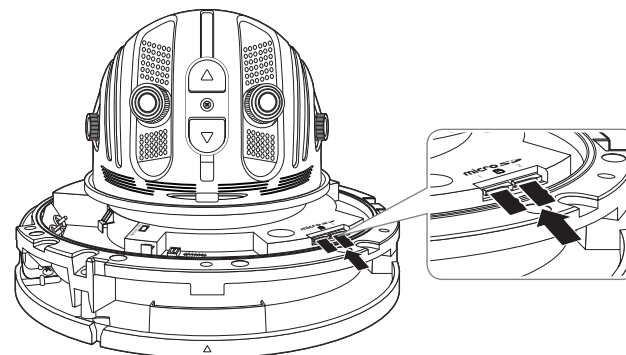


3. Zdemontować korpus kamery i płytkę montażową, pociągając za sprężynę, jak pokazano na ilustracji.



Wkładanie karty pamięci Micro SD

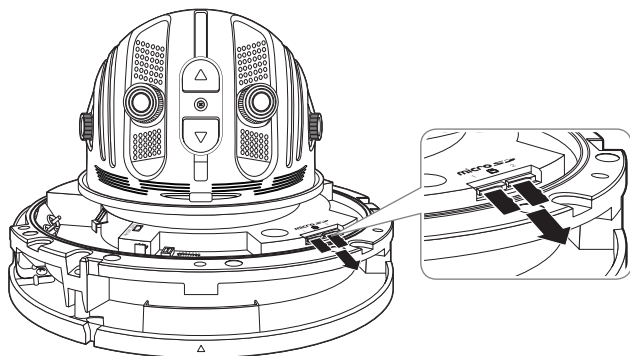
1. Zdejmij osłonę kopuły kamery.
2. Umieść kartę Micro SD w kierunku wskazywanym przez strzałkę na rysunku.



- !
- 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.
 - Podczas instalacji/wyjmowania karty pamięci Micro SD należy pamiętać o ustawieniu korpusu produktu na płaskim gruncie przed rozpoczęciem użytkowania, aby zapobiec upadnięciu i uszkodzeniu jakichkolwiek części.

Wyjmowanie karty pamięci Micro SD

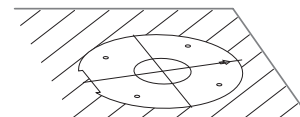
Aby wysunąć kartę pamięci z gniazda, delikatnie naciśnij wystającą jej część tak, jak to jest widoczne na schemacie.



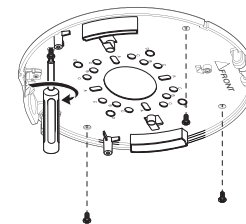
- Kartę SD dla każdego kanału należy chronić przed uszkodzeniem.
- Pamiętaj, że silne wciśnięcie i zwolnienie wysuniętej karty Micro SD może spowodować jej wypadnięcie.
- Przed wyjęciem karty pamięci Micro SD w obszarze <Pamięć> dla urządzenia wybierz ustawienie <Wyl.>, naciśnij przycisk [Zastosuj] i wyłącz kamerę.
- W przypadku wyłączenia kamery lub wyjęcia karty pamięci Micro SD, która zawiera dane z produktu, dane te mogą ulec utracie lub zniszczeniu.

Montaż na suficie lub ścianie

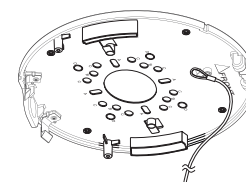
1. Przy użyciu dołączonego do zestawu szablonu wywierć otwory montażowe (średnica 6 mm i głębokość co najmniej 45 mm). Następnie w otworach umieść dołączone do zestawu plastikowe kotwy.



2. Wyrównaj otwory na płytce montażowej z plastikowymi kołkami, a następnie dokręć samo-gwintujące wkręty.



3. Podłącz kabel zabezpieczający.



4. Zamocuj korpus kamery na płycie montażowej.
- Zamocuj go tak, aby pasował do zawiasów, jak pokazano na obrazku.

5. Podłącz terminal wewnątrz kamery za pomocą określonego kabla.

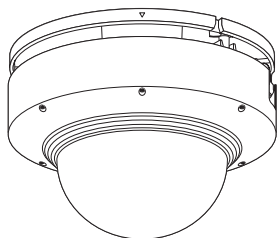
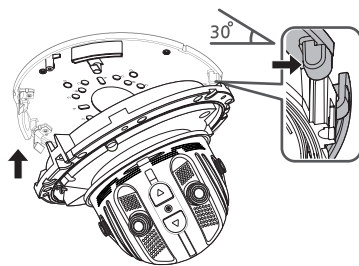
6. Wciśnij sprężynę trzpienia.

7. Ustaw obiektyw w wybranym kierunku, zapoznając się z opisem w rozdziale „**Ustawianie kierunku monitorowania kamery**”. (strona 15)

- Po wychyleniu obiektywu może zająć konieczność ustawienia go, ponieważ obiektyw może zasłaniać ekran.

8. Zamontuj pokrywę kopułki.

- Podczas montażu pokrywy kopułki ustaw strzałki tak, aby pokrywały się.
- Aby uniknąć problemów z wodoszczelnością, mocno dokręć śruby mocujące przy użyciu klucza imbusowego lub końcówki do wiertarki.
- Zdejmij ochronny pasek winylowy przymocowany do wewnętrznej/zewnętrznej strony osłony.



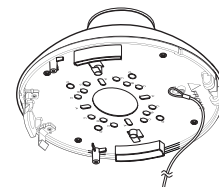
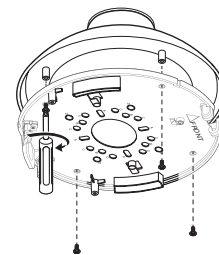
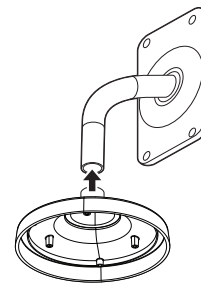
Montowanie do zasilacza (kupowany oddzielnie)

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

1. Przymocuj wiszące mocowanie do adaptera do montażu na ścianie.
- Adaptery do montażu na ścianie i wiszące mocowania sprzedawane są osobno.

2. Połącz płytkę montażową z uchwytem wiszącym.

3. Podłącz kabel zabezpieczający.



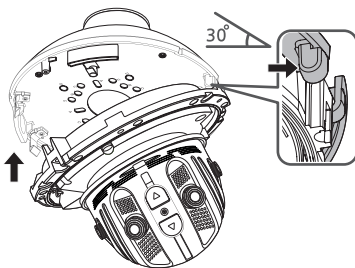
4. Zamocuj korpus kamery na płycie montażowej.
 - Zamocuj go tak, aby pasował do zawiasów, jak pokazano na obrazku.

5. Podłącz terminal wewnątrz kamery za pomocą określonego kabla.

6. Wciśnij sprężynę trzpienia.

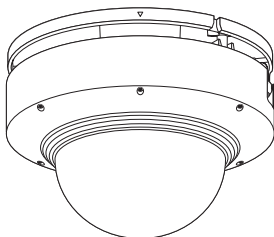
7. Ustaw obiektyw w wybranym kierunku, zapoznając się z opisem w rozdziale „**Ustawianie kierunku monitorowania kamery**”. (strona 15)

- Po wychyleniu obiektywu może zająć konieczność ustawienia go, ponieważ obiektyw może zasłaniać ekran.



8. Zamontuj pokrywę kopułki.

- Podczas montażu pokrywy kopułki ustaw strzałki tak, aby pokrywały się.
- Aby uniknąć problemów z wodoszczelnością, mocno dokręć śruby mocujące przy użyciu klucza imbusowego lub końcówki do wiertarki.
- Zdejmij ochronny pasek winylowy przymocowany do wewnętrznej/zewnętrznej strony osłony.



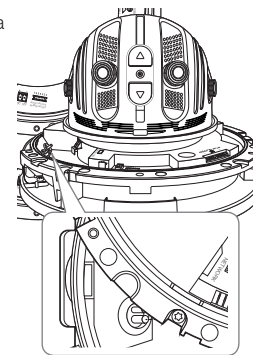
Metoda 1. Podłączanie wodoodpornego kabla zasilania oraz kabla LAN

1. Zdjąć pokrywę kopuły oraz puszkę.

2. Wyciągnąć wystającą u dołu część wtyczki gumowej i zdjąć ją tak jak na rysunku.

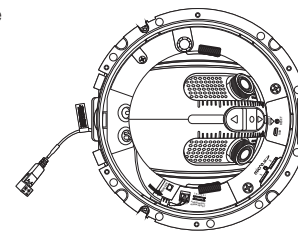


- Przy podłączaniu użyć właściwej tulejki kablowej.
 - Kamera podstawowa: Użyć kabla Ø5~6.5.
 - Inne elementy: Użyć kabla Ø7~8.5



3. Wetknąć kabel zasilający do małego otworu po usuniętej zatyczce gumowej i ułożyć kabel w rowku.

4. Podłączyć kabel do bloku zasilania.

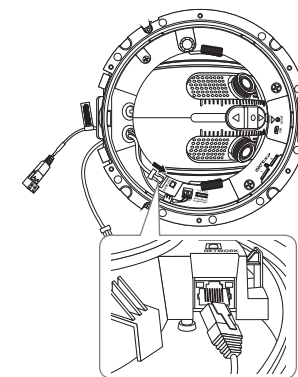


5. Wetknąć kabel LAN do dużego otworu po usuniętej zatyczce gumowej (krok 2 wyżej).

6. Zdjąć izolację przycinarką do kabli i ułożyć kabel.

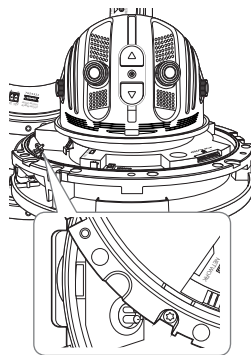
7. Podłączyć wtyk LAN i zarobić zaciskarką.

8. Podłączyć wykonany kabel do portu Ethernet.

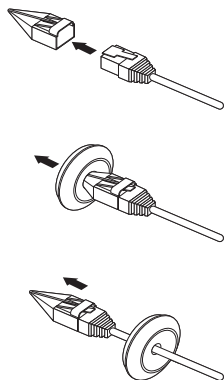


Metoda 2. Podłączanie wodoodpornego kabla zasilania oraz kabla LAN

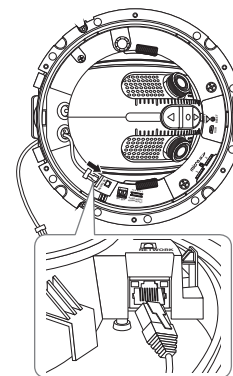
1. Zdjąć pokrywę kopuły oraz puszkę.
2. Wyciągnąć wystającą u dołu część wtyczki gumowej i zdjąć ją tak jak na rysunku.
3. Wyciągnij gumową osłonę z otworu i zdejmij ją.



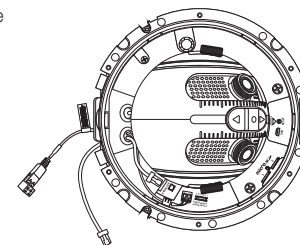
4. Przy użyciu nasadki montażowej przeprowadź przewód RJ45 przez otwór.



5. Ponownie zamontuj gumową zaślepkę i podłącz przewód LAN do gniazda Ethernet.

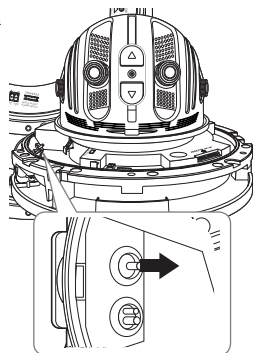


6. Wetknąć kabel zasilający do małego otworu po usuniętej zatyczce gumowej i ułożyć kabel w rowku.
7. Podłączyć kabel do bloku zasilania.

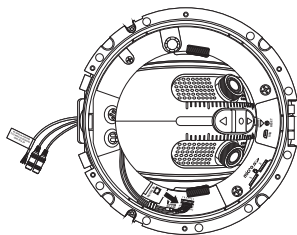


Podłączenie przewodu audio lub alarmowego

1. Zdjąć pokrywę kopuły oraz puszkę.
2. Wyciągnąć wystającą u dołu część wtyczki gumowej i zdjąć ją tak, jak na rysunku.



3. Wsunąć przewód audio lub alarmowego w otwór powstały po wyjęciu gumowej zaślepki w kroku 2, a następnie podłączyć przewód do zacisku alarmowego płytki PCB.
4. Ułożyć kable tak, aby nie uszkodzić ich i nie poplątać podczas instalacji kamery.
5. Wsunąć gumowy wtyk przewodu audio lub alarmowego w otwór.
6. Ustawić żądany kierunek obiektywu zgodnie ze wskazówkami zawartymi w rozdziale **“Regulacja kierunku monitorowania kamery”**. (Strona 15)
7. Przymocować pokrywę kopuły.



Montaż opcjonalnego łącznika mocującego

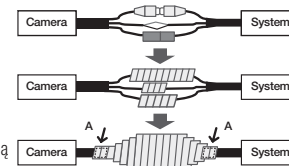
Wybierz i kup wymaganą opcję z poniższych (kupowane oddzielnie), w zależności od miejsca montażu lub własnych preferencji.

1. Zdjąć pokrywę kopuły z puszki tak, jak opisano w rozdziale **“Demontaż”**. (Strona 9)
2. Przymocować obudowę kamery do opcjonalnego łącznika mocującego, używając wkrętów dostarczonych wraz z kamerą.
3. Podłączyć i przygotować potrzebne przewody, tak aby nie zostały uszkodzone lub skręcone podczas montażu kamery.
4. Zamontować kamerę wykonując czynności takie jak przy **“Demontaż”**, lecz w odwrotnej kolejności.
5. Ustawić żądany kierunek obiektywu zgodnie ze wskazówkami zawartymi w rozdziale **“Regulacja kierunku monitorowania kamery”**. (Strona 15)
6. Zamknąć pokrywę kopuły.
 - Aby uniknąć problemów z wodoszczelnością, mocno dokręć śruby mocujące przy użyciu klucza imbusowego lub końcówki do wiertarki.

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), oraz 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.

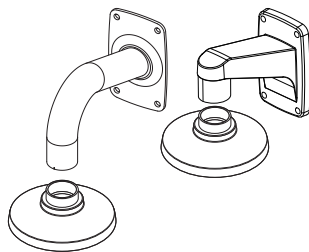


- ! ■ Jeśli osłonka kabla nie jest właściwie uszczelniona, może to być bezpośrednią przyczyną przecieku. Zapewnić szczelność kabla przez ścisłe owinięcie jego taśmą.
- Taśma butylowo-kauczukowa jest wykonana z kauczuku butylowego, który można rozciągnąć do jego dwukrotnej pierwotnej długości.

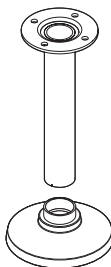
Opcjonalne akcesoria montażowe

W celu ułatwienia montażu można zakupić odpowiednie akcesoria opcjonalne.

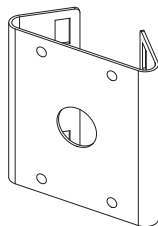
1. PRZYSTAWKA ŚCIENNA (SBP-300WM lub SBP-300WM1)/
PRZYSTAWKA WISZĄCA (SBP-276HM)
Jest to łącznik mocujący używany do montażu kamery do ściany.



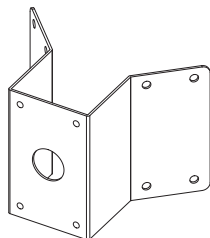
2. PRZYSTAWKA SUFITOWA (SBP-300CM)/PRZYSTAWKA WISZĄCA
(SBP-276HM)
Jest to łącznik mocujący używany do montażu kamery do sufitu
betonowego.



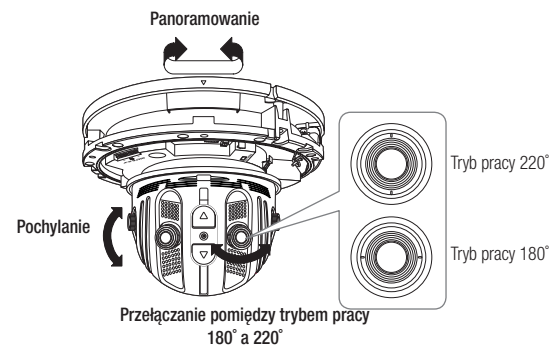
3. PRZYSTAWKA DO MONTAŻU NA SŁUPIE (SBP-300PM)
Jest to łącznik służący do montażu łącznika mocującego do ściany (SBP-300WM lub SBP-300WM1) na słupie o średnicy co najmniej 80mm.



4. PRZYSTAWKA KĄTOWA (SBP-300KM)
Jest to łącznik służący do montażu łącznika mocującego do ściany (SBP-300WM lub SBP-300WM1) u zbiegu ścian.



Regulacja kierunku monitorowania kamery



Ustawianie kierunku monitorowania

Kierunek kamery można wyregulować dopiero, gdy kamera jest zamocowana na suficie. Wtedy obrót głównego korpusu kamery w lewo i w prawo zwie się PAN, a ustawienie kąta kamery zwie się PRZECHYŁ.

- Efektywny zakres panoramowania to łącznie 355 stopni.
- Efektywny zakres pochyłania to łącznie 60 stopni.

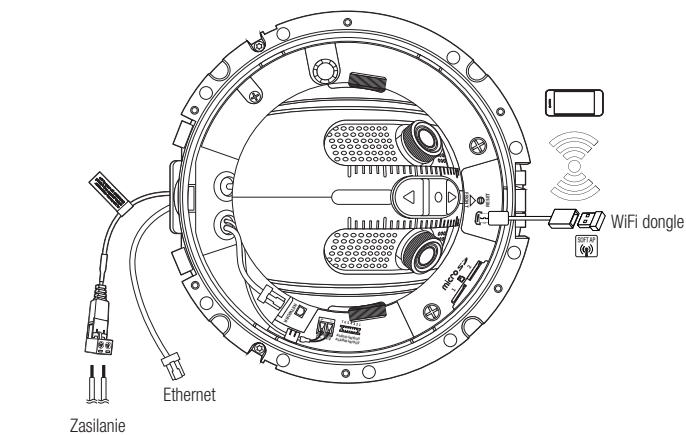


- Zwrócić uwagę na orientację przestrzenną zespołu.

Metody regulacji

1. Po zainstalowaniu kamery z uwzględnieniem kierunku monitorowania, należy dostosować kąt panoramowania.
2. Ustaw kąt pochyłania, tak aby kamera była ustawiona w kierunku monitorowanego obiektu.
3. Obróć obiektyw, aby zmienić tryb pracy 180°/tryb pracy 220°.

PODŁĄCZANIE INNEGO URZĄDZENIA



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

Połączenie typu Ethernet

Podłącz kabel Ethernet do sieci lokalnej lub do Internetu.

Łączenie z siecią WiFi

Konfiguracja kamery

- 1. Adapter OTG (5 styków) i klucz WiFi podłącz do gniazda Micro USB.

Ustawienia smartfonu

- 1. Zainstaluj aplikację instalacyjną Wisenet.
- 2. Po włączeniu sieci WiFi wybierz identyfikator SSID kamery.
- 3. Uruchom aplikację instalacyjną Wisenet.
- 4. Po zalogowaniu się do kamery nastąpi połączenie z obrazem wideo.
 - Wideo zostanie odtworzone bez logowania się podczas początkowego nawiązywania połączenia.
- 5. Można ustawiać kąt widzenia, obserwując wideo przez smartfon.

Zalecany producent klucza sprzętowego

Producent	Model
NETIS	WF2123 n300
EDIMAX	EW-7811Un
IP Time	N100mini
TP-LINK	TL-WN823N V1
ASUS	USB-N13
NETGEAR	WNA3100M

Źródło zasilania

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

- W przypadku zastosowania PoE+ i 12 V prądu stałego jednocześnie kamera będzie zasilana z 12 V prądu stałego.
 - Można także użyć rutera z funkcją PoE+, aby dostarczyć zasilanie do kamery.
 - Użyj funkcji PoE+, zgodnej z protokołami IEEE 802.3at.
 - Zaleca się używać tylko jednego źródła zasilania z portu PoE+ o napięciu st. 12 V.
- Podczas podłączania kabla zasilającego należy zwrócić uwagę, aby nie odwrócić biegunowości.
- Aby podłączyć urządzenie zewnętrzne, należy wyłączyć je przed kontynuowaniem.

Specyfikacja kabla zasilania

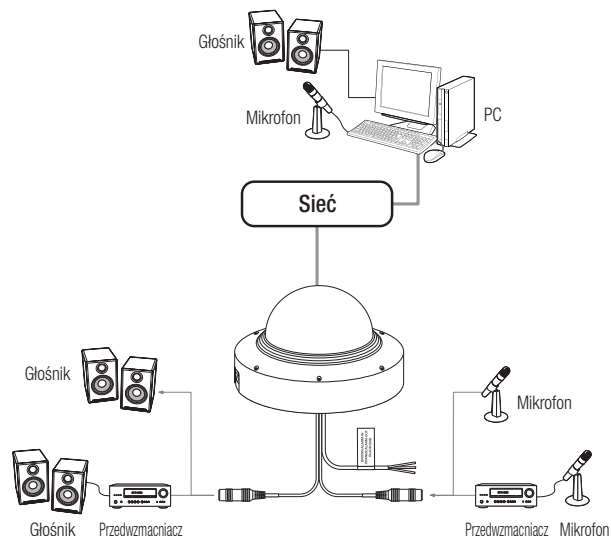
W przypadku DC 12V Wejście:

Przewód (AWG)	#22	#20	#18
Długość kabla (Maks.)	24m	38m	60m

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 wykorzystać przewód o standardzie UTP-6 lub wyższym.
Kabel	UTP Kategoria 6	
Odległość maks.	100M	Oporność pr. stałego ≤ 0,188 Q/m
Obsługa PoE+	IEEE 802.3at	

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 złączem 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

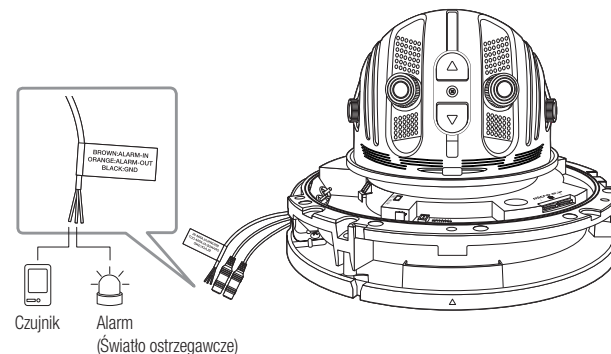
- Wejście audio : G.711 PCM (szybkość transmisji: 64 kb/s / Częstotliwość próbkowania: 8 kHz), G.726 ADPCM (szybkość transmisji: 16 kb/s, 24 kb/s, 32 kb/s, 40 kb/s / Częstotliwość próbkowania: 8 kHz), AAC (szybkość transmisji: 48 kb/s / Częstotliwość próbkowania: 16 kHz)

• Dźwięk w trybie pełnego duplexu

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

Podłączanie gniazd wej./wyj.

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



- **ALARM-IN** : Używane do podłączenia czujnika wejścia alarmu.
- **ALARM-OUT** : Służy do podłączania sygnału wyjściowego alarmu.
- **GND** : Wspólny port sygnału wejściowego/wyjściowego alarmu.

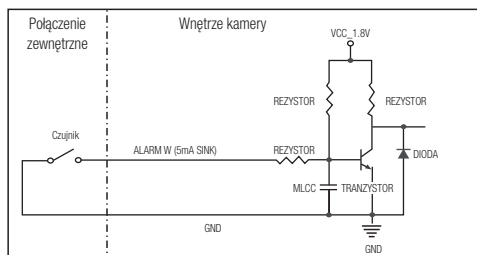


- Podłączenie urządzeń (np. światło pulsacyjne oraz alarm dźwiękowy), które przekraczają wartości napięcia i natężenia prądu określone w specyfikacji metodą otwartego kolektora, może spowodować nieprawidłowości w działaniu. Sproszę sprawdzić "**Włącz alarm schematu obwodów**" przy podłączaniu urządzeń, których napięcia zasilania wykraczają ponad podane specyfikacje. (Strona 18)

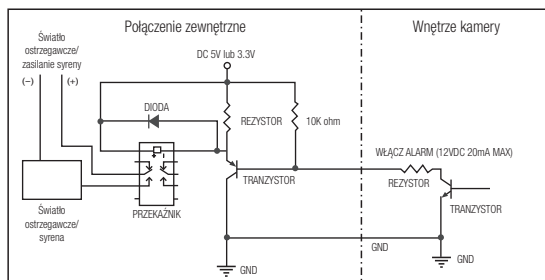
Podłączanie zewnętrznego czujnika

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

Alarm w schemacie obwodów



Włącz alarm schematu obwodów

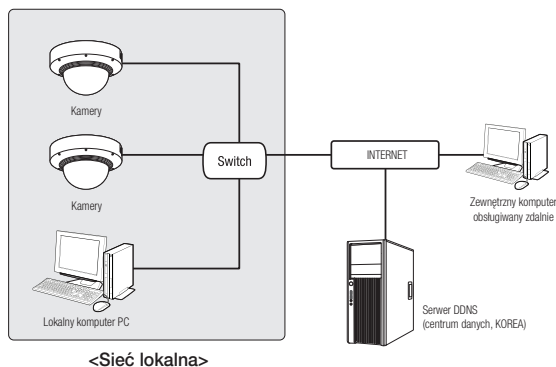


Można skonfigurować ustawienia sieciowe zgodnie z charakterystyką sieci użytkownika.

PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO SIECI LOKALNEJ

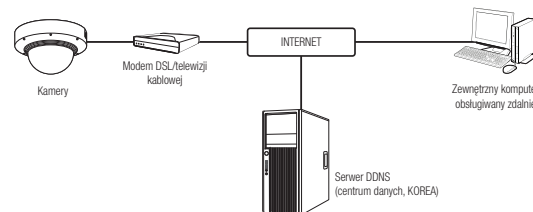
Podłączanie do kamery lokalnego komputera PC przyłączonego do sieci lokalnej

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.
- W przypadku instalatora IP, można użyć hasła inicjującego **"4321"**, aby ustawić Adres IP, Maskę Podsięci, Bramę, Port HTTP, port VNP oraz 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. Adres IP można zmienić przy użyciu aplikacji instalującej IP. Więcej informacji dotyczących użycia aplikacji instalującej IP znajduje się w części **"Konfiguracja statycznego adresu IP"**. (Strona 20)

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

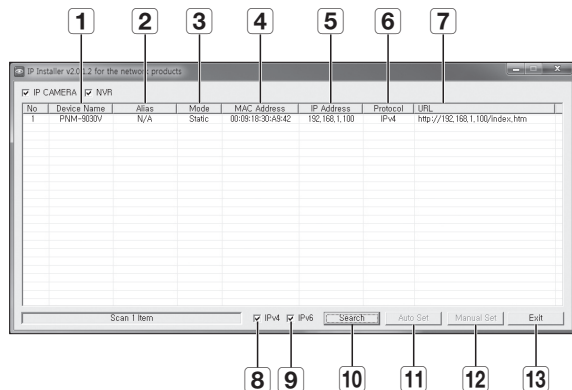


1. Połączenie użytkownika PC bezpośrednio z kamerą sieciową.
2. Uruchom aplikację instalującą IP i zmień adres IP kamery, aby za pomocą przeglądarki internetowej na pulpicie nawiązać połączenie z Internetem.
3. Uzyskaj połączenie z przeglądarką Web Viewer za pomocą przeglądarki internetowej.
4. Przejdź 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.

PRZYCISKI UŻYWANE W APLIKACJI IP INSTALLER



Element	Opis
1 Device Name	Nazwa modelu podłączonej kamery. Kliknij kolumnę, aby sortować listę według nazwy modelu. Wyszukiwanie zostanie jednak przerwane w przypadku kliknięcia podczas wyszukiwania.
2 Alias	Ta funkcja nie jest aktualnie używana.
3 Mode	Wyświetla opcję <Static> lub <Dynamic> dla bieżącego stanu połączenia sieciowego.
4 MAC(Ethernet) Address	Adres Ethernet podłączonej kamery. Kliknij kolumnę, aby sortować listę według adresu Ethernet. Wyszukiwanie zostanie jednak przerwane w przypadku kliknięcia podczas wyszukiwania.
5 IP Address	Adres IP. Kliknij kolumnę, aby sortować listę według adresu IP. Wyszukiwanie zostanie jednak przerwane w przypadku kliknięcia podczas wyszukiwania.
6 Protocol	Ustawienie sieciowe dla kamery. Domyślne ustawienie fabryczne to "IPv4". Dla kamer z ustawieniem IPv6 wyświetlane będzie "IPv6".
7 URL	Adres DDNS URL umożliwiający dostęp z Internetu zewnętrznego. Adres ten zostanie jednak zastąpiony danymi <IP Address> kamery, jeżeli rejestracja DDNS zakończy się niepowodzeniem.
8 IPv4	Wyszukuje kamery z ustawieniem IPv4.
9 IPv6	Wyszukuje kamery z ustawieniem IPv6. Aktywacja tylko w środowisku zgodnym z IPv6.

Element	Opis
10 Search	Wyszukuje kamery podłączone obecnie do sieci. Jednak przycisk ten będzie niedostępny, jeżeli nie będzie zaznaczona ani opcja IPv4 ani IPv6.
11 Auto Set	Program instalujący IP automatycznie konfiguruje ustawienia sieci.
12 Manual Set	Należy dokonać ręcznej konfiguracji ustawień sieciowych.
13 Exit	Zamyka aplikację IP Installer.

- W przypadku korzystania z aplikacji IP Installer należy używać wyłącznie wersji znajdującej się na instalacyjnej płycie CD lub najnowszej dostępnej wersji. Użytkownik może pobrać najnowszą wersję ze strony internetowej Hanwha Vision.
- Program Device Manager można pobrać z menu <Support> – <Online Tool> w witrynie Hanwha Vision (<https://www.HanwhaVision.com>).

KONFIGURACJA STATYCZNEGO ADRESU IP

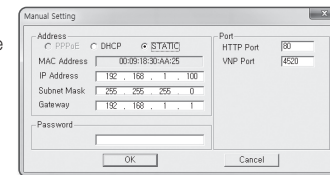
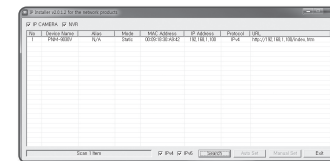
Ręczna konfiguracja sieci

Uruchom plik <IP Installer_v2.XX.exe>, aby wyświetlić listę wyszukiwania kamer. Przy pierwszym uruchomieniu opcje [Auto Set] oraz [Manual Set] nie będą dostępne.

- W przypadku znalezienia kamer z ustawieniem IPv6 przyciski te będą niedostępne, ponieważ te kamery nie obsługują tej funkcji.

- Wybierz kamerę z listy wyszukiwania. Sprawdź adres MAC kamery na umieszczonej na niej etykiecie. Zostaną aktywowane przyciski [Auto Set] oraz [Manual Set].
- Kliknij opcję [Manual Set]. Zostanie wyświetlone okno dialogowe Manual Setting. <IP Address>, <Subnet Mask>, <Gateway>, <HTTP Port>, i <VNP Port> kamery są wyświetlane jako ustawione wartości.
- W polu <Address> podaj niezbędne informacje.
 - MAC (Ethernet) Address : Adres MAC widniejący na etykiecie kamery jest wyświetlany automatycznie i nie wymaga konfiguracji użytkownika.

- Parametry związane z IP mogą być ustawiane tylko, gdy wybrano DHCP.



Jeżeli nie jest używany Ruter szerokopasmowy

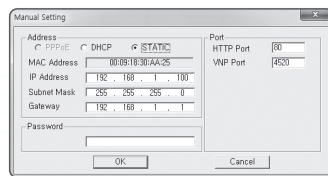
W celu ustawienia opcji <IP Address>, <Subnet Mask> oraz <Gateway> należy skontaktować się z administratorem sieci.

4. W polu <Port> podaj niezbędne informacje.

- 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.

5. Wprowadź hasło.

Wprowadź hasło konta "admin", użyte w celu uzyskania dostępu do kamery.



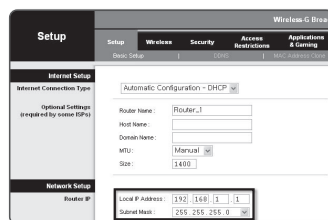
- ! Ze względów bezpieczeństwa, zaleca się użycie hasła zawierającego kombinację liter wielkich i małych, cyfr i znaków specjalnych.
- Informacje na temat sposobu zmiany hasła można znaleźć w systemie pomocy online przeglądarki Web Viewer.

6. Kliknij przycisk [OK].

Ręczna konfiguracja sieci zostanie zakończona.

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	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

- ✍ 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

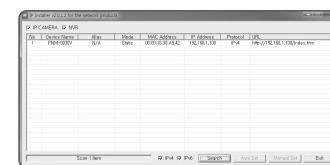
Automatyczna konfiguracja sieci

Uruchom plik <IP Installer_v2.XX.exe>, aby wyświetlić listę wyszukiwania kamer.

Przy pierwszym uruchomieniu opcje [Auto Set] oraz [Manual Set] nie będą dostępne.

- ✍ W przypadku znalezienia kamer z ustawieniem IPv6 przyciski te będą niedostępne, ponieważ kamery te nie obsługują tej funkcji.

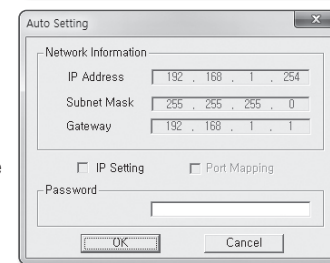
- Wybierz kamerę z listy wyszukiwania.
Sprawdź adres MAC kamery na umieszczonej na niej etykiecie.
Zostaną aktywowane przyciski [Auto Set] oraz [Manual Set].
- Kliknij opcję [Auto Set].
Zostanie wyświetlone okno dialogowe Auto Setting.
Wartości <IP Address>, <Subnet Mask> oraz <Gateway> zostaną ustawione automatycznie.
- Wprowadź hasło.
Wprowadź hasło konta "admin", użyte w celu uzyskania dostępu do kamery.



- ! Ze względów bezpieczeństwa, zaleca się użycie hasła zawierającego kombinację liter wielkich i małych, cyfr i znaków specjalnych.
- Informacje na temat sposobu zmiany hasła można znaleźć w systemie pomocy online przeglądarki Web Viewer.

4. Kliknij przycisk [OK].

Automatyczna konfiguracja sieci zostanie zakończona.



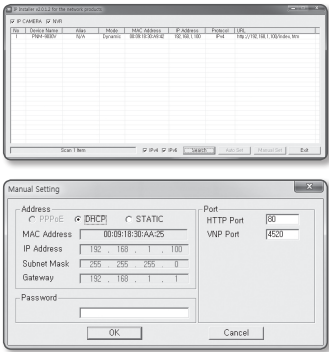
KONFIGURACJA DYNAMICZNEGO ADRESU IP

Konfiguracja środowiska dynamicznego IP

- 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

Sprawdzanie dynamicznego adresu IP

1. Uruchom aplikację IP Installer na lokalnym komputerze użytkownika.
Kamery przydzielone do adresu <Dynamic IP> są wyświetlane na liście.
2. Wybierz kamerę z listy wyników wyszukiwania.
3. Kliknij przycisk [Manual Set] i sprawdź adres <Dynamic IP> kamery.
Jeżeli zaznaczona zostanie opcja <DHCP>, można zmienić IP na <Static>.

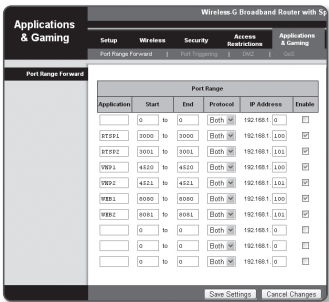


KONFIGUROWANIE PRZEKAZYWANIA ZAKRESU PORTÓW (MAPOWANIA PORTÓW)

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.



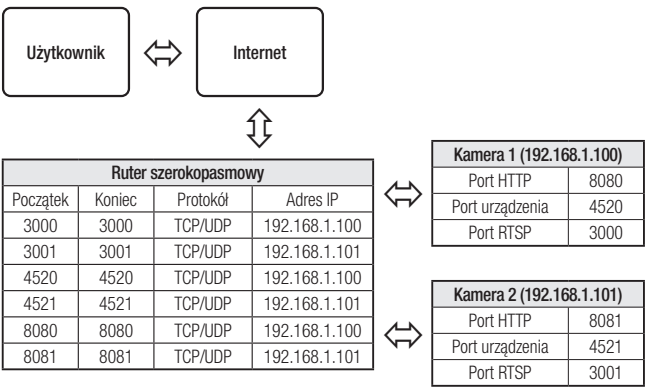
3. Po zakończeniu kliknij opcję [Save Settings].
Ustawienia zostaną zapisane.

- Powyższe przykładowe instrukcje podane są w oparciu o Ruter szerokopasmowy firmy 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 :

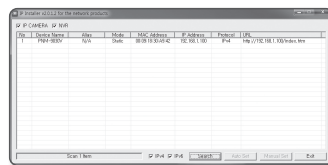


- Przekierowanie portów może zostać ustawione bez dodatkowych ustawień routera, jeżeli router obsługuje funkcję UPnP (Universal Plug and Play).
Po podłączeniu kamery sieciowej zaznacz pole wyboru w menu <Szybkie podłączenie> w oknie <DDNS> w "Ustawieniach -> Sieć -> DDNS".

PODŁĄCZANIE DO KAMERY ZA POMOCĄ UDOSTĘPNIONEGO LOKALNEGO KOMPUTERA

1. Uruchom program instalujący IP.
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

Ponieważ korzystanie programu instalującego IP na komputerze zdalnym nienależącym do klastra sieciowego Ruter szerokopasmowy jest niedozwolone, dostęp do kamer można uzyskać poprzez sieć Ruter szerokopasmowy za pomocą adresu DDNS URL kamery.

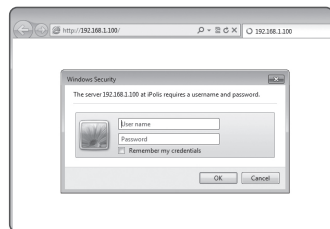
1. Aby możliwe było uzyskanie dostępu do kamery w sieci Ruter szerokopasmowy, należy ustawić przekazywanie zakresu portów Ruter szerokopasmowy.
2. Na zdalnym komputerze uruchom przeglądarkę internetową i wpisz adres URL DDNS kamery lub adres Ruter szerokopasmowy szerokopasmowy w pasku adresu.
Np. <http://ddns.hanwha-security.com/ID>

-  ■ Informacje dotyczące rejestracji DDNS można znaleźć w podręczniku konfiguracji sieci.

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.

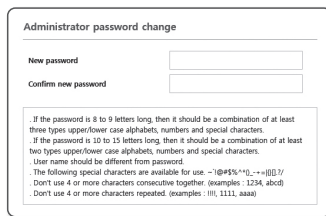
Po zarejestrowaniu urządzenia z dynamicznym adresem IP w serwerze DDNS można bezpiecznie sprawdzić zmieniony adres IP podczas uzyskiwania dostępu do urządzenia. Aby zarejestrować urządzenie na serwerze <DDNS>, najpierw wejdź na stronę <http://ddns.hanwha-security.com> i zarejestruj urządzenie, a następnie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



Administrator password change

New password

Confirm new password

. If the password is 8 to 9 letters long, then it should be a combination of at least three types: upper/lower case alphabets, numbers and special characters.
. If the password is 10 to 15 letters long, then it should be a combination of at least two types: upper/lower case alphabets, numbers and special characters.
. User name should be different from password.
. The following special characters are available for use: ~!@#\$\$%^&_+=~"{}?/
. Don't use 4 or more characters consecutive together. (examples: 1234, abcd)
. Don't use 4 or more characters repeated. (examples: 1111, 1111, aaaa)

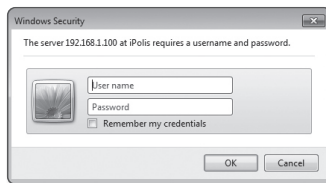
LOGOWANIE

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.



Windows Security

The server 192.168.1.100 at iPolis requires a username and password.

User name

Password

☐ Remember my credentials

OK Cancel

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.

DANE TECHNICZNE

Elementy		Opis
Wideo	Urządzenie obrazujące	1/2,8" 5M CMOS x 4CH
	Całkowita liczba pikseli	2.704(H) x 2.104(V) 5.69M x 4CH
	Efektywna liczba pikseli	2.616(H) x 1.964(V) 5M x 4CH
	System skanowania	Kolejninoln. skan
	Min. oświetlenie	Kolor: 0,15 lux (F2.0, 1/30 sek, 30IRE) C-B: 0,01 lux (F2.0, 1/30 sek, 30IRE)
	Wyjście wideo	USB: Micro USB typ B, 1280 x 720 do instalacji
Obiektyw	Odległość ogniskowa (współczynnik zoomu)	4mm
	Maks. otwór przesłony	F2.0
	Kąt pola widzenia	[Tryb 180°] H: 180°, V: 70°, [Tryb 220°] H: 220°, V: 52°
	Min. odległość obiektu	3 m (9,84 ft); Minimalna zalecana odległość
	Rodzaj obiektywu	Stała ogniskowa
	Typ mocowania	Typ płytki (M12)
Panorama / Przechyl / Obrót	Zakres panoramy	355°
	Zakres pochylenia	60°
	Obrót zakres	-
Informacje dotyczące obsługi	Tytuł kamery	Wyt. / Wł. (wyświetlane do 75 znaków) - Cały świat: Angielski/cyfry/znaki specjalne - Wspólny: Kilka wierszy (maks. 5), kolor (szary/zielony/czerwony/niebieski/czarny/biały), przezroczystość, skala automatyczna według rozdzielczości
	Dzień i noc	Auto (ICR) / Kolor / B/W / Harmonogram
	Kompensacja podświetlenia	Wyt. / BLC / WDR
	Zakres dynamiki obiektywu szerokokątnego	120dB
	Poprawa kontrastu	SSDR (Wyt. / Wł.)
	Redukcja szumów cyfrowych	SSNRlll (filtr szumów 2D+3D) (Wyt. / Wł.)

Elementy		Opis
Informacje dotyczące obsługi	LDC	Obsługa
	Usuwanie mgły	Automatyczny/Ręczny/Wyt.
	Wykrywanie ruchu	Wyt./wł. (8ea, 8-punktowe strefy wielokątne), przekazanie
	Maska prywatności	Wyt. / Wł. (16ea, strefy prostokątne) - Kolor: szary, zielony, czerwony, niebieski, czarny, biały - Mozaika
	Regulacja wzmocnienia	Wyt. / Niskie / Środkowy / Wysokie
	Balans bieli	ATW / AWC / Ręczne / Wewnętrz / Na zewnątrz
	Kontrast	Regulacja poziomu
	Prędkość elektronicznej migawki	Minimum / Maximum / anty-migotanie (2 ~ 1/12.000sek)
	Obrót / widok lustrzany	Obrót : Wyt. / Wł. widok lustrzany : Wyt. / Wł.
	Cyfrowe PTZ	Obsługa
	Inteligentna analiza wideo	Sabotaż, podejrzane zachowanie, wykrywanie kierunkowe, wirtualna linia, wchodz/ wych., pojawienie się/zniknięcie, wykrywanie dźwięku, wykrywanie twarzy, wykrywanie ruchu, wykrywanie mgły, klasyfikacja dźwięku
	Wej./wyj. alarmu	Wejście 1ea / Wyjście 1ea
	Dźwięk Wejście	Line in Napięcie zasilania : 2,5VDC DC (4mA), Impedancja wejścia: ok. 2K Ohm
	Dźwięk Wyjście	Wyjście liniowe (gniazdo stereo mini jack 3,5 mm)
	Funkcje aktywujące alarm	Wejście alarmu, Wykrywanie ruchu, Analizy wideo i audio, Przerwij poł. z siecią
	Zdarzenia alarmu	• Ładowanie pliku przez FTP, pocztę E-Mail • Powiadomianie pocztą elektroniczną • Lokalnej zapisu (SD/SDHC/SDXC) lub NAS nagrania w Sieci rozłączonej i zdarzeniu (Uruchomienia Alarmu) • Wyjście zewnętrzne
	Liczba pikseli	Obsługa

Elementy	Opis
Ethernet	RJ-45 (10/100/1000 BASE-T)
Format kompresji wideo	H.265 (HEVC): Main H.264 (MPEG-4 Part 10/AVC): Main/Baseline/High MJPEG
Rozdzielczość	[Tryb 180°] 6096x2540, 5760x2400, 5472x2280, 5184x2160, 4800x2000, 4560x1900, 4096x1704, 3840x1600, 2688x1120, 2560x1064, 2048x852, 1920x800, 1280x532, 640x264 [Tryb 220°] 7744x1936, 6096x1524, 5760x1440, 5472x1368, 5184x1296, 4800x1200, 4560x1140, 4096x1024, 3840x960, 2688x672, 2560x640, 2048x512, 1920x480, 1280x320, 640x160
Maks. prędkość odtwarzania	H.265/H.264 : Maks. 30 klatek na sekundę we wszystkich rozdzielczościach MJPEG: maks. 15 fps przy 2 MP
Kodek Smart Codec	Tryb ręczny (dla obszaru: 5 ea)
WiseStream II	Obsługa
Regulacja jakości wideo	H.264/H.265 : Sterowanie poziomem docelowej szybkości transmisji MJPEG : Sterowanie poziomem docelowej szybkości transmisji
Metoda sterowania szybkością transmisji	H.264/H.265 : CBR lub VBR Motion JPEG : VBR
Możliwości transmisji strumieniowej	Multi streaming (do 5 lub 3 profili dla każdego kanału)
Format kompresji audio	G.711 μ-law / G.726 Wybieralny G.726 (ADPCM) 8 KHz, G.711 8 KHz G.726 : 16 Kbps, 24 Kbps, 32 Kbps, 40 Kbps AAC-LC: 48 kb/s przy 16 KHz
Komunikacja dźwiękowa	Dwukierunkowa (2-kierunkowa)
IP	IPv4, IPv6
Protokół	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP

Sieć

Elementy	Opis
Zabezpieczenia	HTTPS(SSL) Autoryzacja logowania Uwierzytelnienie logowania Digest Filtrowanie adresu IP Dziennik dostępu użytkownika metoda uwierzytelniania 802.1X (EAP-TLS, EAP-LEAP)
Metoda transmisji strumieniowej	Unicast / Multicast
Maks. dostęp użytkowników	15 użytkowników w trybie Unicast
Pamięć Edge	SD/SDHC/SDXC (maks. 256 GB) - Filmy zarejestrowane na karcie pamięci SD/SDHC/SDXC można pobierać. Pamięć masowa NAS (ang. Network Attached Storage) Lokalny komputer PC do natychmiastowego nagrywania
API (Application Programming Interface)	ONVIF Profile S/G SUNAPI(HTTP API)
Język strony internetowej	Angielski, Francuski, Niemiecki, Hiszpański, Włoski, Chiński, Koreański, Rosyjski, Japoński, Szwedzki, Portugalski, Czeski, Polski, Turecki, Holenderski, Węgierski, Grecki
Przeglądarka internetowa	Obsługiwany system operacyjny: Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 Obsługiwana przeglądarka : Google Chrome 63, MS Edge 41, Mozilla Firefox 57 (Obsługiwana wyłącznie w systemie Windows 64bit), Apple Safari 11 (Obsługiwana wyłącznie w systemie Mac OS X)
Oprogramowanie do Centralnego Zarządzania	Smart viewer, SSM
Temperatura robocza / Wilgotność	-40°C ~ +55°C (-40°F ~ +131°F) / Wilgotność względna (RH) poniżej 90% * Uruchomienie powinno nastąpić w temperaturze powyżej -30°C
Temperatura przechowywania / Wilgotność	-40°C ~ +60°C (-40°F ~ +140°F) / Wilgotność względna (RH) poniżej 90%
Stopień ochrony kamery	IP66
Odporna na akty wandalizmu	IK10
Napięcie i prąd wejściowy	PoE+(IEEE802.3at Class4), Prąd st. 12V
Pobór Mocy	Maks. 25.5W (PoE+), Maks. 21.0W (Prąd st. 12V)
Kolor/Materiał	Kość słoniowa i Aluminium
Wymiary (Ø x wys.)	Ø253mm x wys.165mm (Ø9.96" x wys.6.5")
Waga	3.2Kg

Sieć

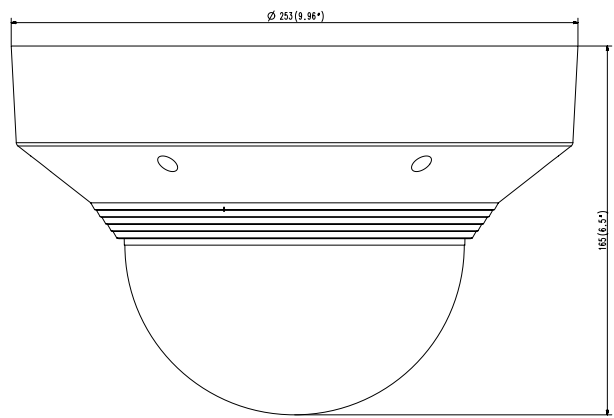
Dane użytkowe

Dane dotyczące zasilania

Dane zewnętrzne

WIDOK URZĄDZENIA

Jednostka: mm (inch)



ROZWIĄZYWANIE PROBLEMÓW

PROBLEM	ROZWIĄZANIE
Nie wyświetli się żadne wideo poprzez dostęp do bezpłatnej przeglądarki na Safari poprzez HTTPS.	- 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.	- 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.	- Podłączone programy podglądu zostają odłączone przy każdej zmianie konfiguracji kamery lub sieci. - Sprawdź wszystkie połączenia sieciowe. - Jeśli kamera jest podłączona przez sieć PPPoE, możliwe jest odłączenie programu podglądu w przypadku pogorszenia warunków działania sieci.
Kamera podłączona do sieci nie jest wykrywana przez program IP Installer.	Wyłącz cz zaporę na komputerze PC i wyszukaj kamery ponownie.
Obrazy nakładają się na siebie.	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.	Jeśli metoda transmisji to multimedialna, sprawdź, czy router w sieci lokalnej, do którego jest podłączona kamera, obsługuje multimedialną.

PROBLEM	ROZWIĄZANIE
Po ustawieniu <Wykrywanie ruchu> na "Włącz" w <Analizy>, żaden plik nie jest dostarczany za pośrednictwem poczty e-mail, pomimo wystąpienia w kamerze zdarzenia analizy wideo.	- Sprawdź ustawienia w następującej kolejności: A. Sprawdź ustawienia opcji <Data i godzina>. B. Dla opcji <Wykrywanie ruchu> powinno być wybrane ustawienie <Włącz>. C. Zaznacz, jeśli wybrano użycie opcji <E-mail> w menu <Konfig. zdarzeń>.
W porcie wyjścia alarmu nie wykryto żadnego sygnału nawet podczas przeprowadzania inteligentnej analizy obrazu wideo.	Sprawdź ustawienia portu wyjścia alarmu.
Nagrywanie na karcie pamięci Micro SD jest niemożliwe.	Sprawdź, czy karta pamięci nie jest uszkodzona.
Karta pamięci Micro SD jest włożona, jednak kamera nie działa prawidłowo.	- Sprawdź, czy karta pamięci została włożona odpowiednią stroną. Ta kamera nie gwarantuje działania karty pamięci sformatowanej w innych urządzeniach - Sformatuj kartę pamięci ponownie w menu <Ustawienia> → <Zdarzenie> → <Pamięć>.
Nie można nagrywać w NAS.	Upewnij się, że informacja rejestrowana w NAS jest poprawna.
Raportuje że ustawienia NAS nie powiodły się.	- Upewnij się, że adres IP NAS jest poprawny. - Upewnij się, że ID/hasło NAS są poprawne. - Korzystając z ID NAS, upewnij się, że jest dostęp do folderu wskazanego jako podstawowy. - Upewnij się, że SMB/CIFS nie są zaznaczone. - Upewnij się, że adres IP NAS oraz adres IP kamery mają taki sam format. Np.) Początkowa wartość maski podsieci NAS i kamery wynosi 255.255.255.0. Jeżeli adres IP jest 192.168.20.32 adres IP NAS IP powinien zawierać się w 192.168.20.1~192.168.20.255. - Sprawdź czy podejmowałeś próbę dostępu jako inny użytkownik bez formatowania zapisanego bądź używanego podstawowego folderu. - Upewnij się, że wykorzystywany jest zalecany sprzęt NAS.

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GPL SW

Component Name	License	URL
Base Kernel	GPL 2.0	
Busybox	GPL 2.0	http://www.busybox.net/downloads/snapshots
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtdd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdd-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	
zeroconf	GPL 2.0	

LGPL SW

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

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Version 2, June 1991

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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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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 Vision dba o środowisko naturalne i wykonuje wiele działań dążąc do dostarczenia klientom produktów niegroźnych dla środowiska.

Oznaczenie „Eco” świadczy o tym, że firma Hanwha Vision 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 zutylizowane, 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.

