

KAMERA SIECIOWA

Instrukcja obsługi

QNP-6230/QNP-6230H



Kamera Sieciowa

Instrukcja obsługi

Prawa autorskie

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

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

WAŻNE ZALECENIA DOTYCZĄCE BEZPIECZEŃSTWA

- Należy przeczytać poniższe zalecenia.
- Należy zachować je do wglądu.
- Należy przeczytać wszystkie ostrzeżenia.
- Należy przestrzegać wszystkich zaleceń.
- Nie używać urządzenia w pobliżu wody.
- Zabrudzoną powierzchnię produktu wyczyść miękką, suchą szmatką lub wilgotną szmatką. (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.
- Ten produkt jest przeznaczony do zasilania z zasilacza oznakowanego jako "Klasa 2" lub "LPS" o wartościach znamionowych 24 VAC (50 lub 60 Hz), min. 1,6 A o PoE(42.5V ~ 57V), min 0,7 A. (QNP-6230)
- Ten produkt jest przeznaczony do zasilania z zasilacza oznakowanego jako "Klasa 2" lub "LPS" o wartościach znamionowych 24 VAC (50 lub 60 Hz), min. 2,9 A o PoE(42.5V ~ 57V), min 0,9 A. (QNP-6230H)
- Nie należy instalować kamery w pozycji pionowej na ścianie. Spowodowałoby to wystąpienie przechylenia.
- 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.

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.

Silnik panoramowania/wychylania/zoomowania oraz pierścień ślizgowy są objęte jednoroczną gwarancją przy ciągłej pracy.

UWAGA

	UWAGA NIEBEZPIECZEŃSTWO PORAŻENIA PRĄDEM. NIE OTWIERAĆ	
UWAGA : ABY ZMNIJSZYĆ RYZYKO PORAŻENIA PRĄDEM NIE USUWAĆ OBUĐOWY (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.

Odlączanie urządzenia

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

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

UWAGA

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

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

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

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

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

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
- Pamięć RAM: 8 GB lub więcej
- Obsługiwany system operacyjny: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12
- **Przeglądarka Web Viewer wolna od wtyczek**
Obsługiwane przeglądarki internetowe: 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)
- **Przeglądarka Web Viewer z wtyczkami**
Obsługiwane przeglądarki internetowe: MS Explore 11, Apple Safari 11 (Obsługiwana wyłącznie w systemie Mac OS X)

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 NAS	Dostęp jednoczesny dla maksimum 16 kamer.
Synology NAS	Dostęp jednoczesny dla maksimum 16 kamer.



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

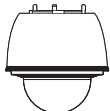
CO ZNAJDUJE SIĘ W OPAKOWANIU (QNP-6230)

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	
	Karta gwarancyjna (Opcjonalny)	1	
	Przewód monitora sprawdzającego	1	Służy do sprawdzania kamery poprzez podłączenie do przenośnego wyświetlacza
	Podstawa instalacyjna	1	W przypadku instalowania w pomieszczeniu lub w obudowie sufitowej.
	Wkręt samogwintujący	4	Służy do montażu na suficie lub na ścianie.
	Szablon	1	Instrukcja montażu urządzenia
	Płytki izolacyjne	1	Stosować przy montażu kamery w wilgotnym miejscu

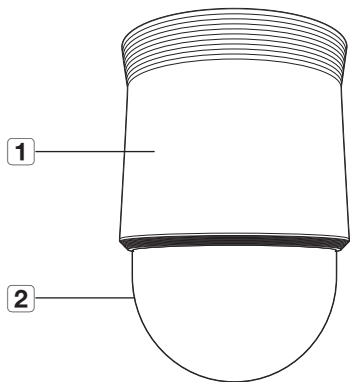
CO ZNAJDUJE SIĘ W OPAKOWANIU (QNP-6230H)

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

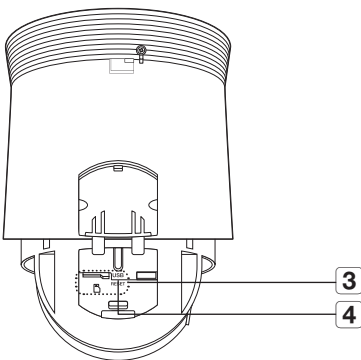
Wygląd	Nazwa elementu	Liczba	Opis
	Kamera	1	
	Skrócona instrukcja obsługi (Opcjonalny)	1	
	Karta gwarancyjna (Opcjonalny)	1	
	Przewód monitora sprawdzającego	1	Służy do sprawdzania kamery poprzez podłączenie do przenośnego wyświetlacza
	Klucz imbusowy	1	wykorzystywany do zdejmowania i wymiany kopuły.
	Śruby sześciokątne	3	Służy do mocowania podstawy instalacyjnej do kamery.
	Podstawa instalacyjna	1	Uchwyt do mocowania na zewnątrz
	Akcesoria wodoszczelne	1	Założ i stosuj w przypadku dużej wilgotności.

SPOJRZENIE NA KAMERĘ (QNP-6230)

Wygląd

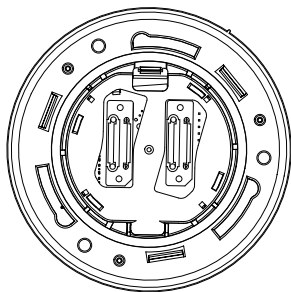


Wewnątrz

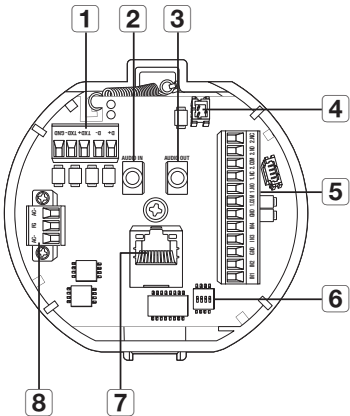


Element	Opis
1 Urządzenie główne	Chroni wewnętrzne mechanizmy PTZ powinny przed słońcem i wpływem otoczenia.
2 Osłona kopułkowa	Służy do zabezpieczenia obiektywu i urządzenia.
3 Gniazdo karty pamięci Micro SD	Gniazdo na kartę pamięci Micro SD.
4 Przycisk Reset	Naciśnięcie i przytrzymanie przycisku przez około 5 sekund spowoduje przywrócenie wszystkich domyślnych ustawień fabrycznych kamery.

Widok podstawy instalacyjnej od spodu



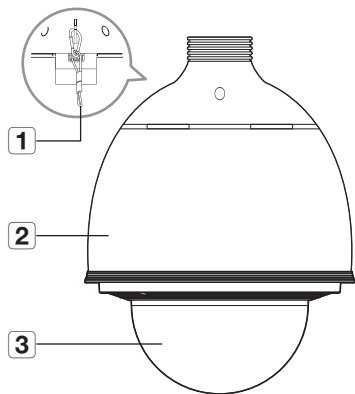
Widok podstawy instalacyjnej wewnątrz



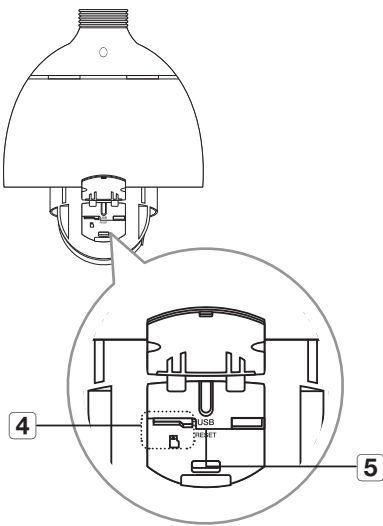
Element	Opis
1 Porty komunikacyjne	Służy do komunikacji za pomocą interfejsu RS-485.
2 Port wejścia audio	Służy do podłączania sygnału wejściowego audio.
3 Port wyjścia audio	Służy do podłączania przewodu wyjściowego audio.
4 Gniazdo wyjścia wideo	Gniazdo wyjścia analogowego sygnału wideo. (do instalacji)
5 Gniazdo wej./wyj. alarmu	Używany do podłączania kabla wejścia/wyjścia alarmu.
6 Przełącznik konfiguracji komunikacji	Ustaw protokół komunikacyjny (RS-485) i wskaż , czy chcesz zakończyć.
7 Połączenia sieciowe	Gniazdo dla połączenia z siecią za pomocą kabla ethernetowego.
8 Gniazdo zasilania	Używane do podłączania źródła zasilania.

SPOJRZENIE NA KAMERĘ (QNP-6230H)

Wygląd

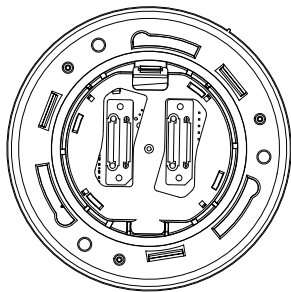


Wewnątrz

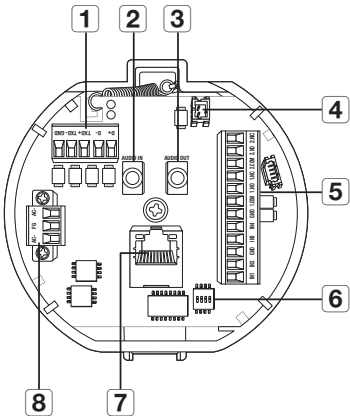


Element	Opis
1 Kabel zabezpieczający	Kabel chroni przed upadkiem produktu podczas jego montażu.
2 Obudowa	Chroni mechanizm wewnętrzny PTZ przed bezpośrednim nasłonecznieniem, deszczem lub czynnikami zewnętrznymi.
3 Osłona Kopułkowa	Służy do zabezpieczenia obiektywu i urządzenia.
4 Gniazdo karty pamięci Micro SD	Gniazdo na kartę pamięci Micro SD.
5 Przycisk Reset	Naciśnięcie i przytrzymanie przycisku przez około 5 sekund spowoduje przywrócenie wszystkich domyślnych ustawień fabrycznych kamery.

Widok podstawy instalacyjnej od spodu



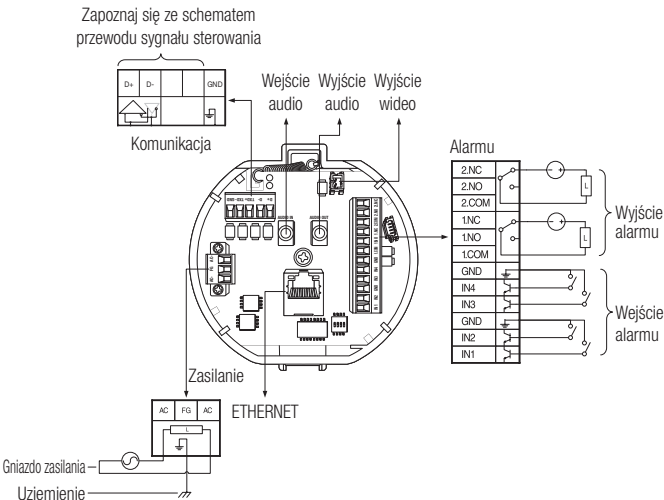
Widok podstawy instalacyjnej wewnątrz



Element	Opis
1 Porty komunikacyjne	Służy do komunikacji za pomocą interfejsu RS-485.
2 Port wejścia audio	Służy do podłączania sygnału wejściowego audio.
3 Port wyjścia audio	Służy do podłączania przewodu wyjściowego audio.
4 Gniazdo wyjścia wideo	Gniazdo wyjścia analogowego sygnału wideo. (do instalacji)
5 Gniazdo wej./wyj. alarmu	Używany do podłączania kabla wejścia/wyjścia alarmu.
6 Przełącznik konfiguracji komunikacji	Ustaw protokół komunikacyjny (RS-485) i wskaż , czy chcesz zakończyć.
7 Połączenia sieciowe	Gniazdo dla połączenia z siecią za pomocą kabla ethernetowego.
8 Gniazdo zasilania	Używane do podłączania źródła zasilania.

■ Płytkę połączeń elektrycznych kamery

Aby poprowadzić przewody kamery, patrz poniższy rysunek.

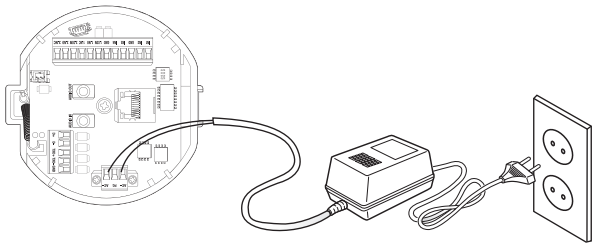


- W menu ustawień wybrać Normal. otwarte.
 - Uaktywnia się wejście czujnika przy zwarceniu styku zwiernego lub w przypadku „Niskiego” poziomu w przypadku typu czynnego.
- Z menu ustawień wybrać Normal. zamkn.
 - Wejście czujnika uaktywnia się przy otwarciu styku rozwiernego lub w przypadku stanu wysokiej impedancji (przy otwartym kolektorze) dla typu aktywnego.
- Maksymalna moc gniazda wyjścia alarmu to 30 V DC/2 A, 125 V AC/0,5 A i 250 V AC/0,25 A.
- Podłączając przewody wejścia i wyjścia alarmu należy podłączyć odpowiednio po jednym przewodzie do poszczególnych zacisków.
- Aby podłączyć produkty o zasilaniu wyższym niż zasilanie kamery, należy użyć dodatkowego urządzenia przekąźnikowego.
- Nieprawidłowe podłączenie kabli zasilania i masy do wyjścia NC/NO lub gniazda COM niesie ze sobą ryzyko pożaru i uszkodzenia sprzętu.

PODŁĄCZANIE INNEGO URZĄDZENIA

Przygotowanie zasilacza i kabla

- Podłącz kamerę do zasilacza. Następnie podłącz przewód zasilający zasilacza do gniazda sieciowego.



Przed podłączeniem sprawdź napięcie znamionowe i prąd.

Moc znamionowa	Dopuszczalne napięcie zasilania
AC 24V	AC22V~26V
PoE+	42.5Vdc~57Vdc

- W przypadku zastosowania zasilania PoE+ i AC 24 V urządzenie jest zasilane z podłączonego najpierw źródła.
 - Zalecane jest używanie jednego źródła zasilania albo PoE+ albo AC 24 V.
- W przypadku podłączenia przełącznika dostarczającego zasilanie PoE+ nie ma potrzeby podłączenia źródła zasilania AC 24 V.
- Należy upewnić się, że urządzenie PoE spełnia specyfikację PoE+ (IEEE 802.3at).
 - Jeżeli twoje urządzenie zostało podłączone do wyłącznika PoE (IEEE 802.3af), otwórz menu ustawień wyłącznika na "wyłącz PoE".
Aby uzyskać więcej informacji o przełączniku, zobacz instrukcje producenta.
 - Zaleca się stosowanie kabla zgodnego ze specyfikacją PoE+.
- Jeżeli korzystasz z PoE+ jako zasilania, czas startu systemu może zależeć od modelu wyłącznika (przez kanał) lub od producenta (czas połączenia PoE+ musi zostać uwzględniony).
- Grzejnik nie jest zasilany zgodnie z normą PoE+. (QNP-6230H)

Opór elektryczny przewodu miedzianego przy [20°C (68°F)]

QNP-6230

Przekrój przewodu miedzianego	#20	#19	#18	#17
Opór (Ω/m)	0.0333	0.0264	0.021	0.0166
Zalecana odległość (m)	Mniej niż 20	Mniej niż 25	Mniej niż 30	Mniej niż 30

QNP-6230H

Przekrój przewodu miedzianego	#18	#17	#16	#15
Opór (Ω/m)	0.021	0.0166	0.0132	0.0104
Zalecana odległość (m)	Mniej niż 15	Mniej niż 20	Mniej niż 25	Mniej niż 30

- Jak wskazuje powyższa tabela, w zależności od długości przewodu może wystąpić spadek napięcia.
W przypadku zastosowania zbyt długiego przewodu do podłączenia kamery urządzenie może nie działać poprawnie.
 - Napięcie robocze kamery: 24V prądu zmiennego $\pm 10\%$
 - Wartości spadku napięcia na powyższym wykresie mogą różnić się w zależności od rodzaju i producenta przewodu miedzianego.

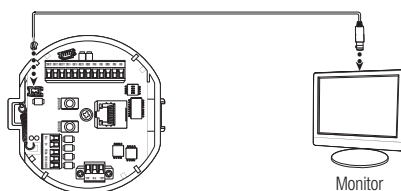
Połączenie typu Ethernet

Podłącz kabel Ethernet do sieci lokalnej lub do Internetu.

Podłączenie monitora instalacyjnego

Podłącz kabel do tylnego złącza wyjścia wideo kamery i złącza wejścia wideo monitora instalacyjnego.

- Połączenie różni się w zależności od rodzaju monitora i urządzeń peryferyjnych, należy zapoznać się z instrukcją obsługi poszczególnych urządzeń.
- Przed podłączeniem urządzeń upewnij się, że monitor i kamera są wyłączone.



- Ten produkt to kamera sieciowa, która przekazuje obraz w sieci, złącze wyjścia wideo kamery służy do ustawiania zakresu kamery podczas instalacji.
- Zastosowania wyjścia do celów monitoringu może powodować problemy, np. pogorszenie jakości obrazu.
- Nie nadaje się do 24 godzinnego monitoringu z wykorzystaniem profesjonalnych monitorów CRT bądź przenośnych monitorów TFT/LCD.
- Do 24 godzinnego monitoringu i zapisu skorzystaj z ekranu transferu sieciowego.

MONTAŻ

Przygotowanie i instalacja uchwytu kamery

Instrukcje dotyczące montażu uchwytów i obudów dostępne są w instrukcji instalacji dołączonej do uchwytu lub obudowy.

■ Dostępne modele uchwytów

Model	Opcja	QNP-6230	QNP-6230H
SHP-3701H	Obudowa zewnętrzna	Tak	-
SHP-3701F	Obudowa do montażu na suficie		
SBP-301HM3	Przystawka waisząca		
SBP-300WM1	Montaż ścienny		Tak
SBP-300WM			
SBP-300CM	Uchwyt sufitowy		
SBP-300LM	Montaż na gzymsie		
SBP-300KM	Montaż narożnikowy		
SBP-300PM	Montaż na słupie		

- Aby sprawdzić wygląd każdego uchwytu (nie dołączonego do zestawu), patrz „Opcjonalne akcesoria instalacyjne” (strona 15)

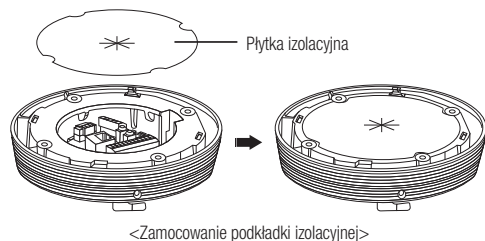
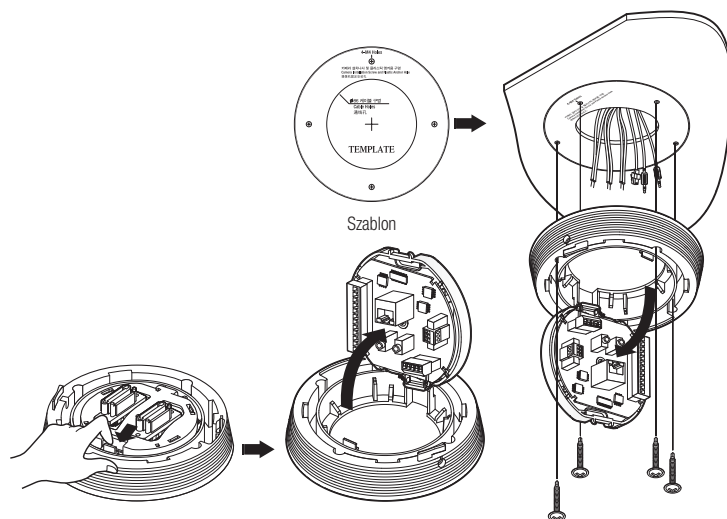
Instalacja za pomocą mocowania do powierzchni (QNP-6230)

- Urządzenie QNP-6230H nie może być instalowane na ścianie ani suficie.

■ Przykładanie szablonu i instalacja urządzenia Podstawa instalacyjna

1. Przyłóż dołączony szablon do sufitu. Zgodnie z szablonem, wywierć otwór o średnicy 86 mm w suficie i przeprowadź przez niego przewody.
2. Zainstaluj urządzenie podstawę instalacyjną w przedstawiony sposób.
3. Przed instalacją uchwytu zewnętrzny otwór drzwiczki na zawiasach u dołu uchwytu, w sposób przedstawiony na rysunku. Otwórz drzwiczki za pomocą uchwytu.

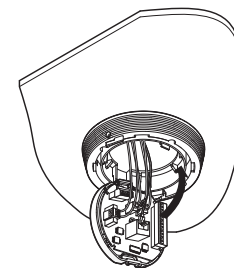
- W przypadku montażu kamery w miejscu o dużej wilgotności, należy dokonać montażu na suficie po przymocowaniu załączonej płytki izolacyjnej u spodu podstawy montażowej.



■ Podłączenie przewodów złącza

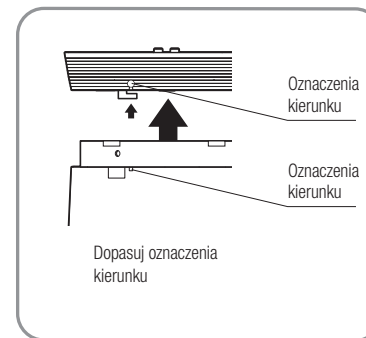
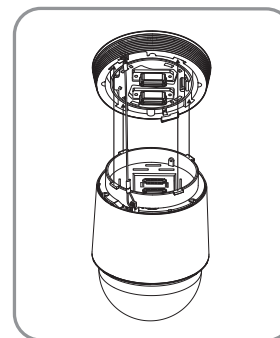
1. Podłącz przewody do bloku złącza na drzwiczkach. Patrz „Płytki połączeń elektrycznych kamery”. (strona 10)
2. Po zakończeniu połączenia zamknij drzwiczki.

- ! ■ Kamery nie należy podłączać do gniazda zasilania przed zakończeniem montażu. Podłączenie kamery do zasilania w trakcie montażu może spowodować pożar lub uszkodzenie produktu.



■ Podłączenie kabla zabezpieczającego kamerę i montaż kamery

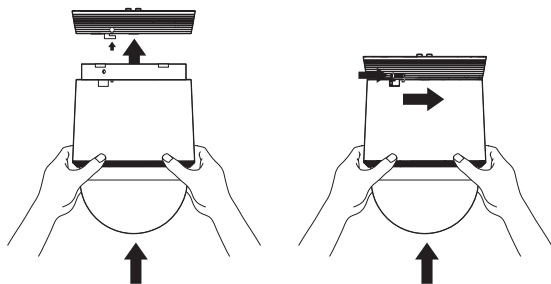
1. Najpierw, jak pokazano na rysunku po lewej stronie, wyciągnąć kabel zabezpieczający z podstawy, a następnie zahaczyć go w uchwycie. Kabel zabezpieczający jest skręcony wewnątrz podstawy.
 - Aby zamocować kamerę do uchwytu, zapoznaj się z oznaczeniami przedstawionymi na rysunku.
2. Uważnie przymocuj kamerę do uchwytu, zgodnie z oznaczeniem przedstawionym na rysunku.



- ! ■ Zanim przejdziesz dalej, upewnij się, że kabel zabezpieczający kamery jest zahaczony o uchwyt. W przeciwnym razie spadająca kamera może spowodować poważne obrażenia.

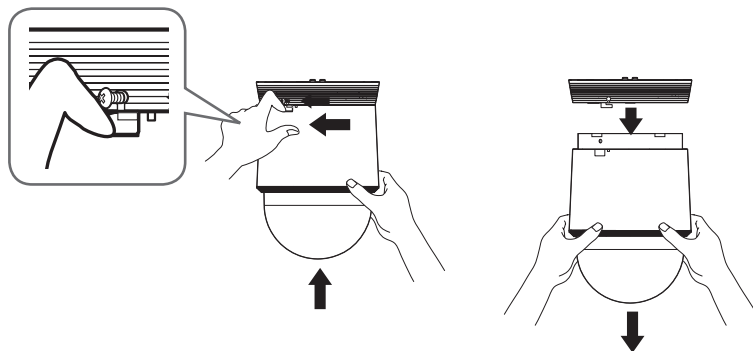
▪ Aby zamontować lub zdemontować kamerę, zapoznaj się z rysunkiem.

- Mocowanie kamery : Podnieść całość kamery i obrócić ją zgodnie z ruchem wskazówek zegara aż do oporu, jak pokazano na rysunku. Po obróceniu dokręcić śruby zamocowane do podstawy montażowej.



< Montaż kamery >

- Demontaż kamery : Odkręcić śruby, jak pokazano na rysunku, wcisnąć haczyk i obrócić go przeciwnie do kierunku ruchu wskazówek zegara. (Śruby nie są całkowicie zdemontowane.) Gdy hak jest obrócony do oporu, obniżyć zespół kamery i odłączyć go.

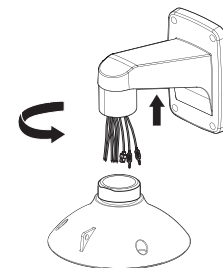


< Demontaż kamery >

Instalacja w uchwycie ściennym (QNP-6230H)

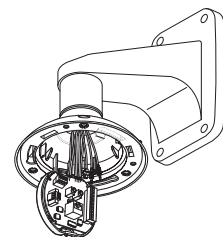
▪ Zamocuj podstawę instalacyjną za pomocą uchwytu.

1. Zamocuj podstawę obracając uchwyt w prawo.



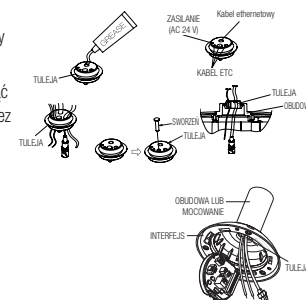
2. Zgodnie z poniższym rysunkiem delikatnie naciśnij i podnieś uchwyt drzwiczek na zawiasach u dołu podstawy instalacyjnej. Aby podłączyć przewody, zapoznaj się z częścią „Płytkę połączeń elektrycznych kamery” na stronie 10.

- ! ▪ Kamery nie należy podłączać do gniazda zasilania przed zakończeniem montażu. Podłączenie kamery do zasilania w trakcie montażu może spowodować pożar lub uszkodzenie produktu.

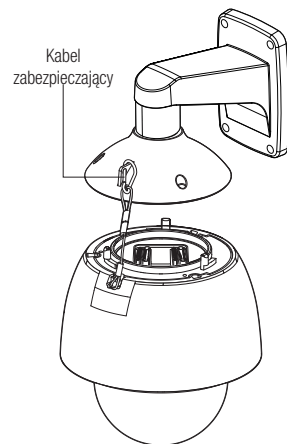


- ☑ Sprawdź sposób połączenia kablowego.

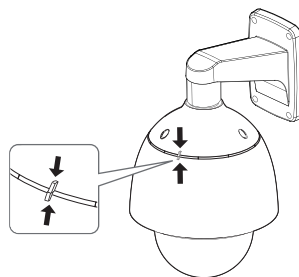
- Uwaga do montażu zewnętrznego, gdzie instalacja jest narażona na wilgoć, dostarczane są **TULEJE** na **RURĘ** lub **UCHWYT, OBUDOWĘ** należy montować za pomocą **TULEI**, aby zapobiec przedostawaniu się wilgoci.
 - Przed montażem na **TULEJE** należy nałożyć porcję smaru, i przeciągnąć kable przez każdy z otworów tulei. Do zamykania pustych otworów, przez które nie przechodzą kable, należy użyć **ZATYCZEK**.
 - Przymocuj **TULEJE** na górnej wewnętrznej stronie **OBUDOWY**, jak pokazano na poniższym rysunku. Następnie, naciskając równomiernie **TULEJĘ** przymocuj ją solidnie **OBUDOWY**, jak pokazano na rysunku.



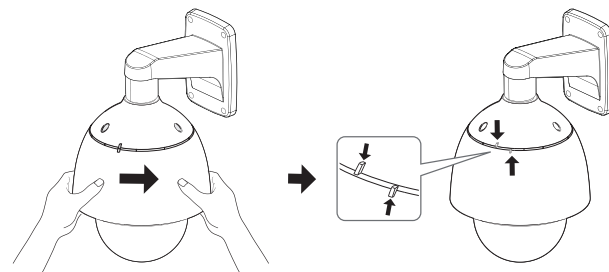
3. Podłącz drut zabezpieczający kamery do podstawy instalacyjnej.



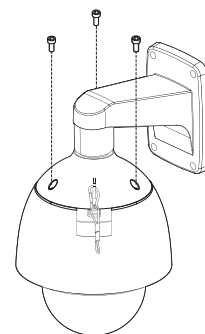
4. Montaż kamery i podstawy instalacyjnej
Zmontuj podstawę instalacyjną i kamerę dopasowując do siebie oznaczenia kierunku.



5. Zamocuj kamerę
obrócić zamocowane urządzenie obrócić zgodnie z kierunkiem ruchu wskazówek zegara, tak aby położenie wskaźników odniesienia góra dół było zgodne z rysunkiem po prawej stronie.



6. Mocowanie kamery i podstawy instalacyjnej
Przykręć podstawę montażową i kamerę przy użyciu klucza sześciokątnego, jak pokazano na ilustracji.

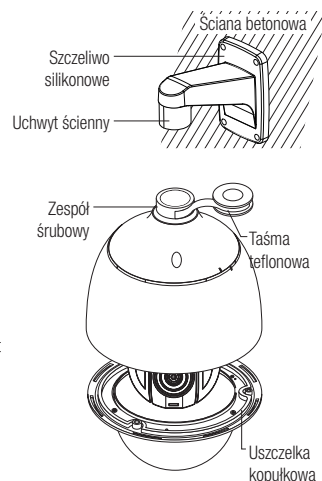


Uwagi dotyczące wodoszczelności

▪ Montaż urządzenia na ścianie poprzez założenie wodoszczelnej obudowy ochronnej oraz uchwytu ściennego

1. Do pionowej ściany zainstalować uchwyt ścienny. W przypadku instalacji na ścianie pochyłej, poprzez kabel zewnętrzny do wnętrza obudowy ochronnej może przenikać wilgoć.
2. Część śrubową obudowy ochronnej owinąć dostateczną ilością taśmy teflonowej celem zamocowania.
3. Podczas oddzielania pokrywy kopułkowej i jej montażu do obudowy ochronnej sprawdzić, czy nie obluźowała się podkładka, odłączając się od pokrywy kopułkowej.
4. Zainstalować ścienny pośredni łącznik mocujący celem zapewnienia wodoszczelności, a pomiędzy i wokół ściany uchwytu ściennego zastosować szczeliwo silikonowe.

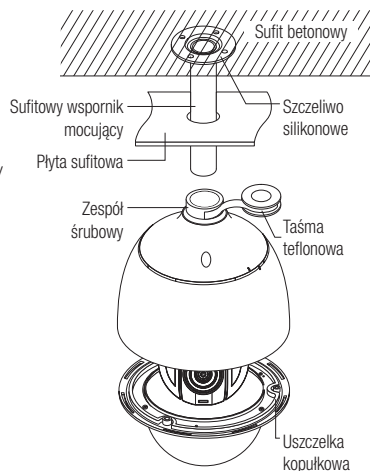
! ▪ Zwrócić szczególną uwagę na to, aby zapewnić właściwą szczelność w przypadku, jeśli ściana do której urządzenie jest mocowane, nie jest płaska.



▪ Montaż ścienny poprzez zastosowanie obudowy zewnętrznej oraz sufitowego łącznika montażowego

1. Część śrubową obudowy owinąć dostateczną ilością taśmy teflonowej celem przeprowadzenia montażu.
2. Przy oddzielaniu pokrywy kopułkowej i mocowaniu jej do obudowy ochronnej sprawdzić, czy nie obluźowała się podkładka i nie oddzieliła się od pokrywy kopułkowej.
3. Zamocować sufitowy łącznik mocujący zapewniający wodoszczelność i nałożyć szczeliwo silikonowe pomiędzy ścianą a uchwytem sufitowym celem uszczelnienia.

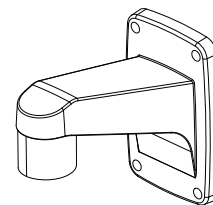
! ▪ Zwrócić szczególną uwagę na to, aby zapewnić właściwą szczelność przy nierównych płaszczyznach montażowych.



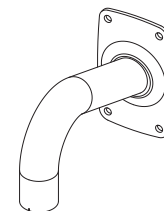
Opcjonalne akcesoria instalacyjne

W celu ułatwienia instalacji można zakupić odpowiednie opcjonalne akcesoria.

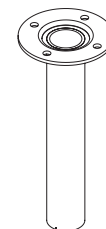
1. Do instalacji kamery na ścianie
 - Montaż ścienny (SBP-300WM1)



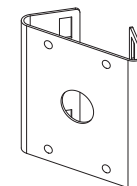
- Montaż ścienny (SBP-300WM)



2. Do instalacji kamery na suficie
 - Uchwyt sufitowy (SBP-300CM)

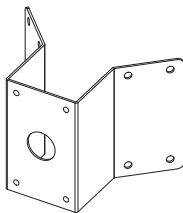


3. Do instalacji uchwytu ściennego (SBP-300WM/SBP-300WM1) na kołku o długości przynajmniej 80mm
 - Montaż na słupie (SBP-300PM)



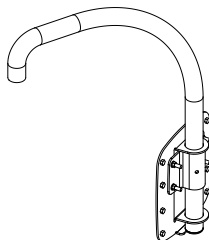
4. Do instalacji uchwyty ściennego (SBP-300WM/SBP-300WM1) na rogu ściany

- Montaż narożnikowy (SBP-300KM)



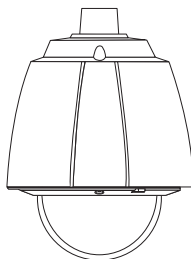
5. Do instalacji na dachu budynku

- Montaż na gzymsie (SBP-300LM)



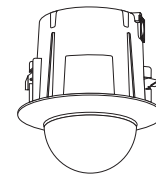
6. Do instalacji urządzenia QNP-6230 na zewnątrz.

- Obudowa zewnętrzna (SHP-3701H)



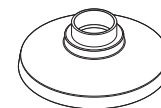
7. Do instalacji urządzenia QNP-6230 na suficie jako element wbudowany.

- Obudowa do montażu wpuszczanego do kamery PTZ kopułkowej (SHP-3701F).



8. Do montażu urządzenia QNP-6230 w uchwycie ściennym lub sufitowym

- Przystawka wisząca (SBP-301HM3)

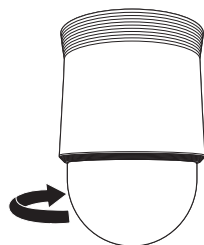


WKŁADANIE I WYJMOWANIE KARTY PAMIĘCI MICRO SD

- ❗
 - Disconnect the power cable from the camera before inserting the Micro SD memory card.
 - Do not insert the Micro SD memory card while it's upside down by force. Otherwise, it may damage the Micro SD memory card.
 - When it rains or the humidity is high, insertion or ejection of a Micro SD card is not recommended.
 - Disassembly of the product cover should be finished within 5 minutes, or there will be the risk of internal dew condensation.

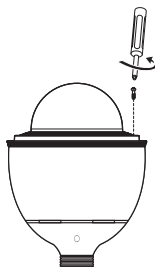
Wkładanie karty pamięci Micro SD

1. Otwórz pokrywę z tyłu kamery.
(QNP-6230)



<QNP-6230>

Przy użyciu wkrętaka poluzuj śrubę, wykręcając ją przeciwnie do ruchu wskazówek zegara, a następnie zdejmij pokrywę kopułki. (QNP-6230H)

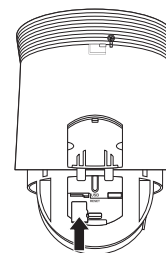


<QNP-6230H>

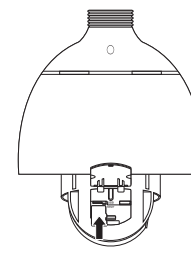
2. Przesuń kartę pamięci Micro SD w kierunku wskazanym strzałką na rysunku.



- Nie należy na siłę wkładać karty pamięci Micro SD odwrotnie. Grozi to uszkodzeniem Micro SD karty.



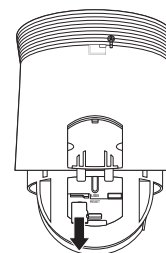
<QNP-6230>



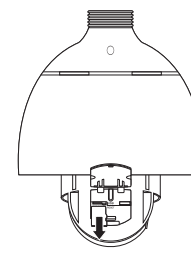
<QNP-6230H>

Wymowanie karty pamięci Micro SD

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



<QNP-6230>



<QNP-6230H>



- Zbyt mocne naciśnięcie karty pamięci Micro SD może spowodować niekontrolowane wyrzucenie karty z gniazda po jej puszczeniu.
- Przed zdemontowaniem karty pamięci micro SD wyłącz kamerę lub ustaw urządzenie w trybie <Wyl.> w ramach opcji <Pamięć>, a następnie naciśnij przycisk [Zastosuj].
- W przypadku wyłączenia kamery lub wyjęcia karty pamięci Micro SD, która zawiera dane z produktu, dane te mogą ulec utracie lub zniszczeniu.

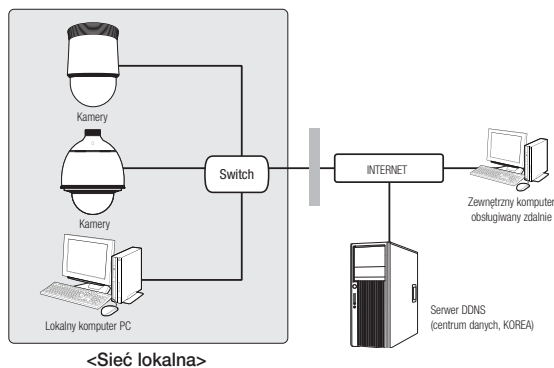
połączenie sieciowe i konfiguracja

Można skonfigurować ustawienia sieciowe zgodnie z charakterystyką sieci użytkownika.

PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO SIECI LOKALNEJ

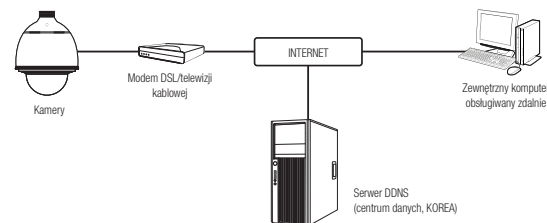
Podłączanie do kamery lokalnego komputera PC przyłączonego do sieci lokalnej

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



- Zdalny komputer PC podłączony do zewnętrznej sieci Internet poza siecią lokalną może nie połączyć się z kamerą podłączoną do intranetu, jeśli przekazywanie portów nie zostanie prawidłowo ustawione lub gdy działa zaporą. W takim wypadku, aby rozwiązać problem, należy skontaktować się z administratorem sieci.
- W programie Device Manager możesz użyć początkowego hasła, „4321” aby ustawić adres IP, maskę podsieci, bramę, port HTTP, port VNP, typ IP. Po zmianie interfejsu sieciowego, należy wejść na podgląd WEB i zmienić hasło.
- Domyślnym ustawieniem fabrycznym jest automatyczne przydzielanie adresu IP przez serwer DHCP. Jeśli serwer DHCP nie jest dostępny, adres IP zostanie ustawiony na 192.168.1.100. Aby zmienić adres IP, użyj programu Device Manager. Aby uzyskać więcej informacji nt. korzystania z programu Device Manager, patrz „Korzystanie z programu Device Manager”. (Strona 20)

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

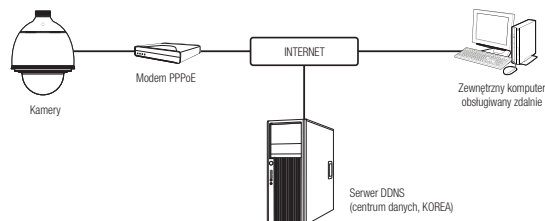


1. Połączenie użytkownika PC bezpośrednio z kamerą sieciową.
2. Uruchom program Device Manager i zmierz adres IP kamery, aby móc korzystać z przeglądarki internetowej na pulpicie, aby połączyć się z internetem.
3. Uzyskaj połączenie z przeglądarką Web Viewer za pomocą przeglądarki internetowej.
4. Przejdź 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.

PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO MODEMU PPPoE



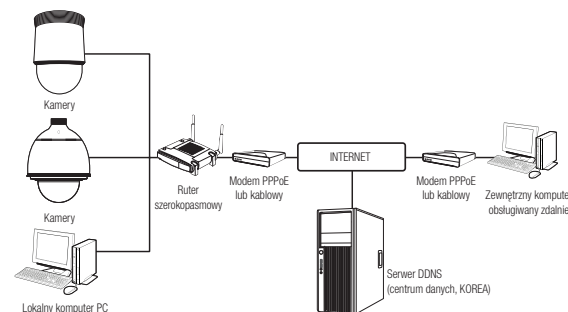
1. Połączenie użytkownika PC bezpośrednio z kamery sieciową.
2. Uruchom program Device Manager i zmień adres IP kamery, aby móc korzystać z przeglądarki internetowej na pulpicie, aby połączyć się z internetem.
3. Uzyskaj połączenie z przeglądarką Web Viewer za pomocą przeglądarki internetowej.
4. Przejdź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



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

PODŁĄCZANIE KAMERY DO RUTER SZEROKOPASMOWY Z MODEMEM PPPoE LUB KABLOWYM

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



albo w sklepie.

Konfigurowanie ustawień sieciowych komputera PC lokalnego w stosunku do Ruter szerokopasmowy

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

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



- Aby uzyskać adres Ruter szerokopasmowy, należy y zajrzeć do jego dokumentacji.
- Aby uzyskać więcej informacji na temat przekierowywania portu routera szerokopasmowego, patrz część **"Konfigurowanie Przekazywania Zakresu Portów (Mapowania Portów)"**. (Strona 22)

KORZYSTANIE Z PROGRAMU DEVICE MANAGER

- Program Device Manager można pobrać z menu <Support> – <Online Tool> w witrynie Hanwha Vision (<https://www.hanwhavision.com>).
- Więcej instrukcji programu Device Manager można znaleźć w menu <Pomoc> na stronie głównej.

AUTOMATYCZNE WYSZUKIWANIE KAMERY

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

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

KONFIGUROWANIE ADRESU IP

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

Konfigurowanie statycznego IP

Ręcznie wstaw i skonfiguruj adres IP i informacje o porcie.

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

Jeżeli nie jest używany Ruter szerokopasmowy

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

- HTTP Port : Umożliwia dostęp do kamery za pomocą przeglądarki internetowej; domyślna wartość to 80.
- VNP Port : Służy do sterowania transmisją sygnału video; wartość domyślna to 4520.
- RTSP Port : Port sterujący strumieniowaniem w czasie rzeczywistym. Początkowa wartość to 554.

Jeżeli używany jest Ruter szerokopasmowy

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

- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego rutera.
- Aby uzyskać więcej informacji na temat przekierowywania portu rutera szerokopasmowego, patrz część "Konfigurowanie Przekazywania Zakresu Portów (Mapowania Portów)", (Strona 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
	RTSP Port	554	555

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

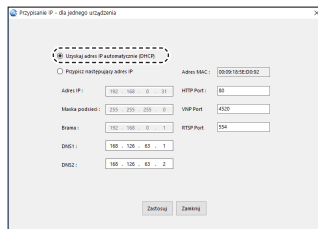
- Kliknij przycisk [Zastosuj].
- Jeśli wyświetlona zostanie wiadomość o powodzeniu, kliknij [OK].

Konfigurowanie dynamicznego IP

Odbierz adres IP z DHCP.

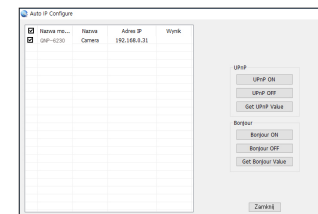
- Przykład środowiska dynamicznego IP
 - Jeżeli do Ruter szerokopasmowy IP z podłączonymi kamerami zostanie przypisany adres IP przez serwer DHCP
 - Jeżeli kamera zostanie podłączona bezpośrednio do xDSL lub modemu kablowego za pomocą protokołów DHCP
 - Jeżeli adresy IP są przypisywane przez wewnętrzny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

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



AUTOMATYCZNA KONFIGURACJA IP

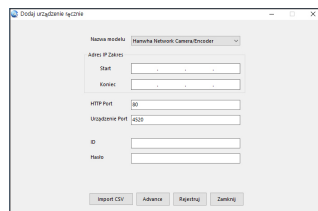
1. Kliknij kamerę z listy dla której chcesz automatycznie skonfigurować IP.
2. Kliknij **< + >** na głównej stronie programu Device Manager.
 - Pojawi się menu ustawień sprzętu.
3. W menu kliknij **<Auto IP Configure (Auto konfiguracja IP)>**.
4. Kliknij przycisk **[Zamknij]**.



RĘCZNA REJESTRACJA KAMERY

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

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

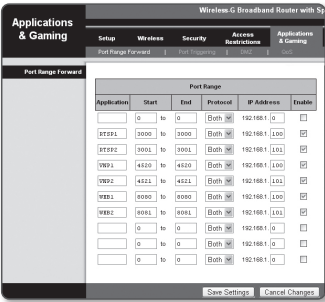


KONFIGUROWANIE PRZEKAZYWANIA ZAKRESU PORTÓW (MAPOWANIA PORTÓW)

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

Ręczne przekazywanie zakresu portów

- 1. Z menu Konfiguracja Ruter szerokopasmowy, wybierz opcję <Applications & Gaming> - <Port Range Forward>. W celu ustawienia przekazywania zakresu portów dla 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.

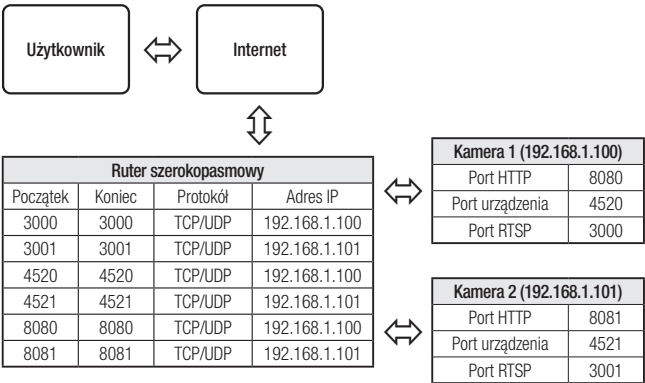


- Ustawienie przekierowania portu jest przykładem ustawienia routera IP CISCO.
- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego routera.

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 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 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 klatrze 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>

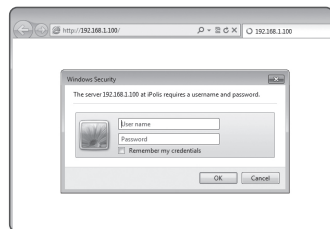


■ Aby korzystać z DDNS, zarejestruj się na stronie głównej DDNS (<http://ddns.hanwha-security.com>) i zarejestruj produkt w **[Moje DDNS]> [Zarejestruj Produkt]**.

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 logowania.



Jeśli port http jest inny niż 80

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

Za pomocą URL

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



- Połączenie sieciowe jest wyłączone w środowisku ograniczonym do LAN.

Połączenie przez UPnP

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

Połączenie przez Bonjour

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

Sprawdzanie adresu DDNS

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

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

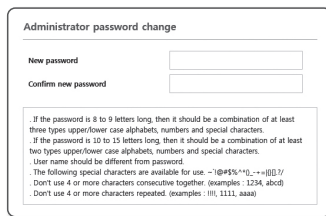
Po zarejestrowaniu urządzenia z dynamicznym adresem IP w serwerze DDNS można bezpiecznie sprawdzić zmieniony adres IP podczas uzyskiwania dostępu do urządzenia. Aby zarejestrować urządzenie na serwerze <DDNS>, najpierw wejdź na stronę <http://ddns.hanwha-security.com> i zarejestruj urządzenie, a następnie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



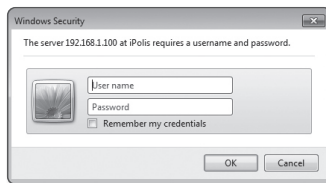
LOGOWANIE

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.



SPECYFIKACJA OBSŁUGI WTYCZEK DLA KAŻDEJ PRZEGLĄDARKI

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

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

W zależności od środowiska przeglądarki można zaobserwować następujące różnice:

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

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

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

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

INSTALACJA DODATKU WebViewer

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

1. Podczas pierwszego wejścia na stronę monitoringu, wyświetlana jest strona instalacji. Aby rozpocząć instalację, kliknąć w **[Download plugin]**.

■ Jeżeli w Internet Explorer status pobierania pliku do instalacji wtyczki jest zawieszony po osiągnięciu na 99%, powtórzyć operację po wybraniu "Wyłącz filtr Smart Screen" w "Narzędzia → Filtr Smart Screen".

2. Kliknąć w **[Run]** na oknie dialogowym.

3. Kliknąć **[Yes]** na oknie dialogowym zawierającym komunikat, że wszystkie okna przeglądarki zostaną zamknięte.

■ Kroki 4 i 5 mogą zostać pominięte, jeżeli nie zainstalowano wtyczek Web Viewer.

4. Gdy zainstalowana jest stara wersja wtyczki Web Viewer, ukaże się okno z komunikatem, że stara wersja zostanie usunięta.

Kliknąć **[Yes]** na oknie dialogowym.

5. Kliknąć **[OK]**.

Poprzednia wersja wtyczki Web Viewer została usunięta.

6. Kliknąć **[Install]** aby rozpocząć instalację wtyczki Web Viewer.

7. Kliknąć **[Finish]**.

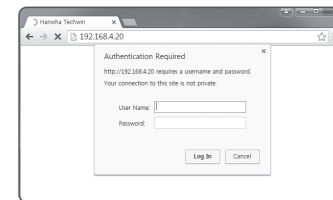
Instalacja wtyczki Web Viewer jest zakończona.

■ W IE, po zainstalowaniu wtyczki, należy sprawdzić czy kontrolka wtyczki webviewer_activex w menu "Narzędzia → Dodatkowe Funkcje Zarządzania" jest "Aktywowana". Jeśli nie, a problem nadal występuje, wybrać "Narzędzia → Opcje Internetowe → Ogólne" i usunąć wszystkie wyszukiwane rekordy. Jeśli problem będzie występował nadal, zarejestruj adres IP lub domenę swojej kamery w menu „Narzędzia → Opcje internetowe → Zabezpieczenia → Zaufane witryny”.

UŻYTKOWANIE BEZPŁATNEJ WTYCZKI PRZEGLĄDARKI

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

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



Ustawianie kamery

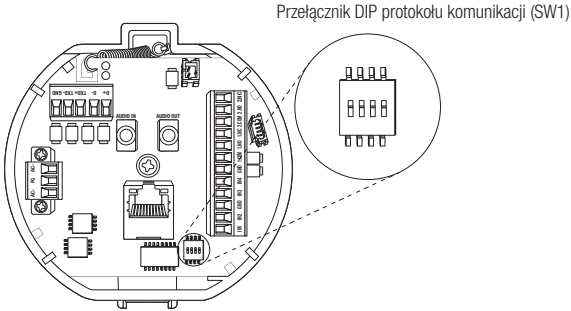
1. Kliknij ikonę **[Ustawienia (⚙️)]**.
2. Wyświetlone zostanie okno Ustawienia.
3. Umożliwia ono zarządzanie za pośrednictwem sieci ustawieniami dotyczącymi podstawowych informacji o kamerze, PTZ, wideo i dźwięku, sieci, zdarzeń, analizy, systemu i platformy otwartej.
4. Kliknij opcję **<Pomoc (❓)>**, aby wyświetlić szczegółowy opis każdej funkcji.

USTAWIENIE PRZELĄCZNIKA DIP

Sposób konfiguracji protokołów i przełączników ID DIP

Użytkownik może skonfigurować różne ustawienia systemu kamery przy użyciu przewodów i przełączników ID DIP. Przed montażem produktu należy skonfigurować przełączniki DIP w zależności od warunków instalacji.

- 1. Skonfiguruj przełączniki zgodnie z warunkami instalacji. Bardziej szczegółowe informacje dotyczące konfiguracji znajdują się w tabeli na następnej stronie.
- 2. Kamera może działać nieprawidłowo, jeśli przełączniki nie zostaną całkowicie włączone/wyłączone; dlatego przed zakończeniem konfiguracji należy je dokładnie sprawdzić.
- 3. Przełącznik może zostać uszkodzony przy obsłudze ostrym narzędziem.
- 4. Przełącznik może zostać uszkodzony przy obsłudze z nadużyciem siły.



Ustawienia przełącznika DIP protokołu komunikacji (SW1)



Numerы styków SW1	Przeznaczenie
1	Ustaw protokół transmisji (RS-485)
2	Ustawienie zakończenia 1
3	Ustawienie zakończenia 2
4	Zastrzeżone

• Ustawienia metody komunikacji

Wybierz metodę komunikacji dla kamery.

	Funkcja	ON	OFF
SW1-#1	Przełącznik trybu przesyłu	-	RS-485(2-żyłowy)

• Ustawienia zakończeń

Aby zapobiec tłumieniu sygnałów komunikacji pomiędzy kamerą a konsolą sterującą, pozycje na końcu linii należy skonfigurować zgodnie z ustawieniami zakończeń.

Pozycja wejścia kamery	SW1-#2	SW1-#3
Zakończenie najdłuższej ścieżki	ON	ON
Na ścieżce	OFF	OFF

- Wartość domyślna jest zaciemniona w każdej tabeli ustawień.
- Aby wraz z tą kamerą używać konsoli innej firmy, należy skontaktować się z naszym serwisem lub działem technologii.

OBWODY KAMERY

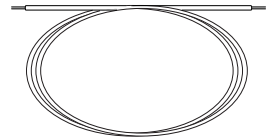
Przewód sygnału sterowania

- Komunikacja RS-485



Przewód komunikacji

Aby umożliwić komunikację pomiędzy kamerą a konsolą sterującą, potrzebny jest przewód komunikacji RS-485.



- Do podłączenia zaleca się przewód o długości 30 m lub krótszy.
- Przewód komunikacji nie jest dołączony do kamery.

ROZWIĄZYWANIE PROBLEMÓW

PROBLEM	ROZWIĄZANIE
Jeśli użytkownik systemu Windows 10 uzyska dostęp do przeglądarki Web Viewer za pośrednictwem przeglądarki Chrome lub Firefox, ustawienie głośności mikrofonu zmienia się cyklicznie.	Taka sytuacja występuje po wybraniu sterownika Realtek jako sterownika mikrofonu. Jako sterownik mikrofonu zainstaluj sterownik urządzenia dźwięku w wysokiej rozdzielczości (domyślny sterownik systemu Windows) lub sterownik innego producenta.
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 w programie Device Manager.	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 multiemisji. Jeśli jest używany ten sam adres przez wiele kamer, obrazy mogą się na siebie nakładać.
Brak obrazu.	Jeśli metoda transmisji to multiemisja, sprawdź, czy router w sieci lokalnej, do którego jest podłączona kamera, obsługuje multiemisję.

PROBLEM	ROZWIĄZANIE
Głos nie został nagrany pomimo skonfigurowania ustawień wejścia audio.	Zaznacz pole wyboru <Wejście audio> w menu <Podstawowy> - <Profil wideo>.
<Wykrywanie ruchu> z <Analizy> jest w pozycji <Włącz>, ale nie otrzymuję zawiadomień email nawet jeżeli nastąpiło zdarzenie ruchu.	- Sprawdź ustawienia w następującej kolejności: - 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>.
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	
zerocoinf	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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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).

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Na wszystkich etapach produkcji firma Hanwha Vision dba o środowisko naturalne i wykonuje wiele działań dążących 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.

