

KAMERA SIECIOWA

Instrukcja obsługi

QNP-6230RH



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, opravach 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 przeznaczony jest do zasilania z listwowego zasilacza oznaczonego symbolami „Klasa 2” lub „LPS” o mocy od PoE (55 VDC), min. 0,93 A lub 24 VAC (50 lub 60 Hz), min. 4,25 A.
- Ten produkt przeznaczony jest do zasilania z izolowanego zasilacza.
- 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.
- Jeśli produkt działa normalnie, stopień presetowej precyzji wynosi 0,2°. W przypadku rebootowania w związku z przestojem, aktualizacją oprogramowania układowego itp., tolerancja może wymagać korekty po sprawdzeniu wszelkich zmian w ustawieniach presetowych.



OSTRZEŻENIE

ABY ZMNIEJSZYĆ RYZYKO POŻARU LUB PORAŻENIA PRADEM 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 jednoročną gwarancją przy ciągłej pracy.

UWAGA

	UWAGA NIEBEZPIECZEŃSTWO PORAŻENIA PRADEM. NIE OTWIERAĆ	
UWAGA : ABY ZMNIEJSZYĆ RYZYKO PORAŻENIA PRADEM NIE USUWAĆ OBUDOWY (ANI CZĘŚCI TYLNEJ). NIE MA CZĘŚCI PRZEZNACZONYCH DO NAPRAWY PRZEZ UŻYTKOWNIKA. NALEŻY SKONTAKTOWAĆ SIĘ Z WYKWALIFIKOWANYM PERSONELEM SERWISU.		

WYJAŚNIENIE SYMBOLI GRAFICZNYCH



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



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

Klasa I konstrukcji

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

Akumulator

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

Nie można wymienić baterii.

Odlączanie urządzenia

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

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

UWAGA

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 10.12, 10.13, 10.14
 - Zalecana przeglądarka: Google Chrome
Obsługiwane przeglądarki: MS Explore11, MS Edge, Mozilla Firefox (tylko 64-bitowa wersja systemu Windows), Apple Safari (tylko system Mac OSX)
- ※ Szczegółowe informacje dotyczące zweryfikowanej wersji systemu operacyjnego i przeglądarki można znaleźć w załączniku.

SPECYFIKACJA ZALECANYCH KART PAMIĘCI MICRO SD/SDHC/SDXC

- Zalecana pojemność: Zalecana pojemność: od 16 do 256 GB (typ MLC)
- Zalecani producenci: SanDisk, Transcend
- Rodzaj produktu: Wysoka wytrzymałość
- Zgodność zależy od producentów i typów kart.

SPECYFIKACJA ZALECANA PRZEZ NAS

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

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



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

CO ZNAJDUJE SIĘ W OPAKOWANIU

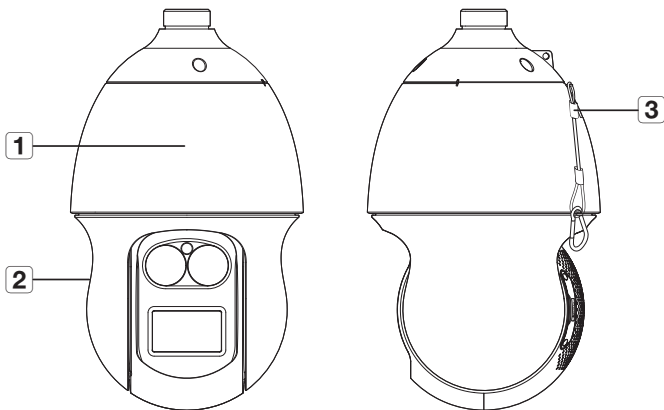
Należy sprawdzić, czy w opakowaniu znajduje się kamera oraz wszystkie akcesoria.
(Akcesoria nie są identyczne i zależą od kraju sprzedaży)

Wygląd	Nazwa elementu	Liczba	Opis
	Obudowa Główna	1	
	Skrócona instrukcja obsługi (Opcjonalny)	1	
	Karta gwarancyjna (Opcjonalny)	1	
	Przewód monitora sprawdzającego	1	Służy do sprawdzania kamery poprzez podłączenie do przenośnego wyświetlacza
	Kabel Audio/RS-485	1	Użyty do połączenia audio oraz RS-485
	Śruba sześciokątna	3	Służy do mocowania podstawy instalacyjnej do kamery.
	Klucz imbusowy	1	Służy do przyczepiania podstawy instalacyjnej po przymocowaniu jej do kamery.

Wygląd	Nazwa elementu	Liczba	Opis
	Podstawa instalacyjna	1	Wspornik do montażu produktu
	Akcesoria wodoszczelne	1	Założ i stosuj w przypadku dużej wilgotności.

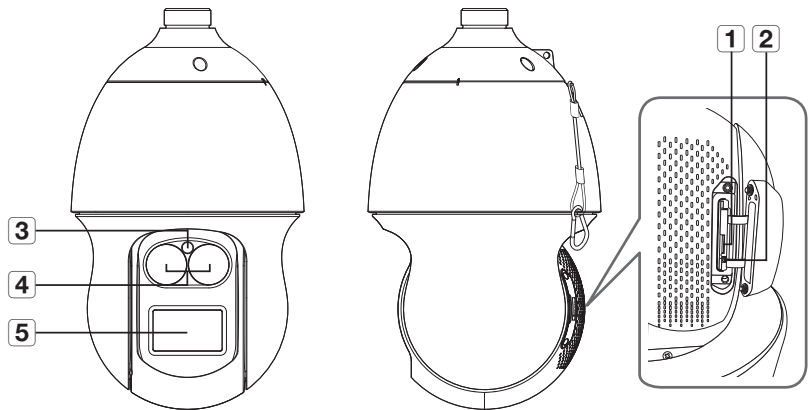
SPOJRZENIE NA KAMERĘ

Wygląd



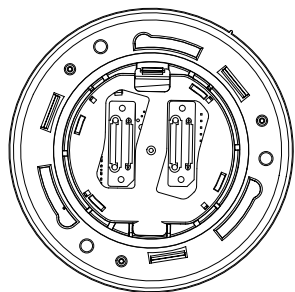
Element	Opis
1 Urządzenie Główne	Chroni mechanizm wewnętrzny PTZ przed bezpośrednim nasłonecznieniem, deszczem lub czynnikami zewnętrznymi.
2 Pokrywa	Pokrywa ochronna na obiektyw.
3 Kabel zabezpieczający	Kabel chroni przed upadkiem produktu podczas jego montażu.

Wewnątrz

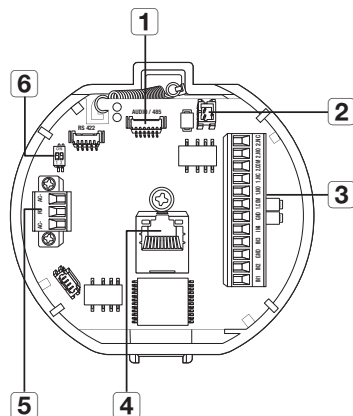


Element	Opis
1 Gniazdo karty pamięci Micro SD	Gniazdo na kartę pamięci Micro SD. ☑️ Pozycję wciskania karty pamięci Micro SD można znaleźć <Wkładanie i Wyjmowanie Karty Pamięci Micro SD>. (strona 10)
2 Przycisk Reset	Ten przycisk przywraca wszystkie ustawienia kamery do wartości domyślnych. Naciśnij i przytrzymaj przez około 5 sekund, aby uruchomić system ponownie. ❗ W przypadku zresetowania kamery ustawienia sieciowe zostaną dostosowane tak, aby możliwe było włączenie protokołu DHCP. Jeśli w sieci nie ma serwera DHCP, należy uruchomić program Device Manager, aby zmienić podstawowe ustawienia sieciowe, takie jak adres IP, maska podsieci, brama itp., zanim będzie można połączyć się z siecią.
3 Czujnik oświetlenia	Wykrywa natężenie światła i steruje diodą podczerwieni.
4 Dioda podczerwieni	Diody podczerwieni są sterowane za pomocą czujnika oświetlenia.
5 Obiektyw	Obiektyw kamery.

Widok podstawy instalacyjnej
od spodu



Widok podstawy instalacyjnej
wewnątrz



Element	Opis
1 Złącze Audio/RS-485	Ten terminal służy do połączenia kabli audio i RS-485.
2 Gniazdo wyjścia wideo	Gniazdo wyjścia analogowego sygnału wideo. (do instalacji)
3 Gniazdo wej./wyj. alarmu	Używany do podłączania kabla wejścia/wyjścia alarmu.
4 Port połączenia HPoE	Terminal łączący zasilanie i sieć za pomocą iniektora HPoE.
5 Gniazdo zasilania	Używane do podłączania źródła zasilania.
6 Przełącznik konfiguracji komunikacji	Ustaw protokół komunikacyjny (RS-485) i wskaż , czy chcesz zakończyć.

MONTAŻ

- ! 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.

Wkładanie karty pamięci Micro SD

- Odkręć dwie śruby na wsporniku uchwytu SD, obracając je w kierunku przeciwnym do ruchu wskazówek zegara za pomocą śrubokręta.

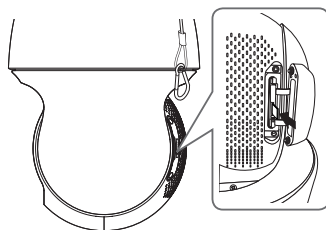
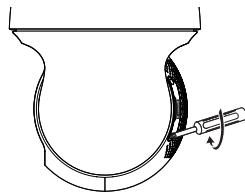
- ! Przed włożeniem karty pamięci Micro SD odłącz kabel zasilania od kamery.
- W przypadku deszczu lub wysokiej wilgotności wkładanie i wyjmowanie karty Micro SD nie jest zalecane.
- Podczas instalacji/wyjmowania karty pamięci Micro SD należy pamiętać o ustawieniu korpusu produktu na płaskim gruncie przed rozpoczęciem użytkowania, aby zapobiec upadnięciu i uszkodzeniu jakichkolwiek części.
- Nie odkręcaj całkowicie śrubek.

- Wyciągnij wspornik uchwytu SD i przesun kartę pamięci Micro SD w kierunku strzałki, jak pokazano na rysunku.

- ! Nie wolno na siłę wkładać karty pamięci Micro SD w odwrotnym kierunku. Może się uszkodzić lub spowodować uszkodzenie produktu.

- Złóż kamerę w odwrotnej kolejności demontażu po włożeniu karty pamięci Micro SD.

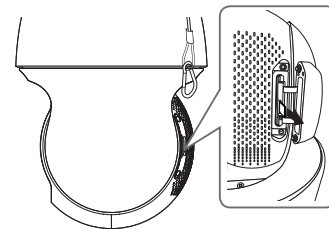
- ! Dokręć śruby podczas montażu kamery, aby zapobiec przenikaniu wilgoci.



Wymowanie karty pamięci Micro SD

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

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



Przygotowanie i instalacja uchwytu kamery

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

■ Dostępne modele uchwytów

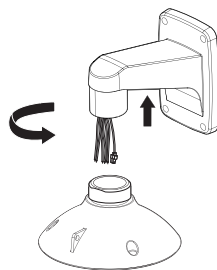
Model	Opcja
SBP-300WMW1	Montaż ścienny
SBP-300WM	
SBP-300CMW	Uchwyt sufitowy
SBP-300LMW	Montaż na gzymsie
SBP-300KMW	Montaż narożnikowy
SBP-300PMW	Montaż na słupie

- Aby sprawdzić wygląd każdego uchwytu (nie dołączonego do zestawu), patrz „Opcjonalne akcesoria instalacyjne”. (strona 13)

Instalacja w uchwycie ściennym

■ Zamocuj podstawę instalacyjną za pomocą uchwytu.

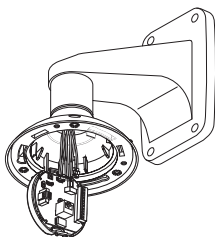
1. Zamocuj podstawę obracając uchwyt w prawo.



2. Zgodnie z poniższym rysunkiem delikatnie naciśnij i podnieś uchwyt drzwiczek na zawiasach u dołu podstawy instalacyjnej. Aby podłączyć przewody, zapoznaj się z częścią „**Płytki połączeń elektrycznych kamery**” na stronie 14.

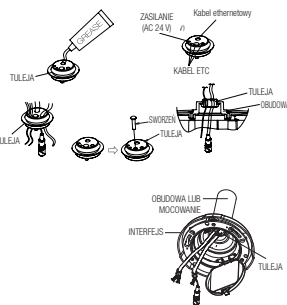


- Kamery nie należy podłączać do gniazda zasilania przed zakończeniem montażu. Podłączenie kamery do zasilania w trakcie montażu może spowodować pożar lub uszkodzenie produktu.

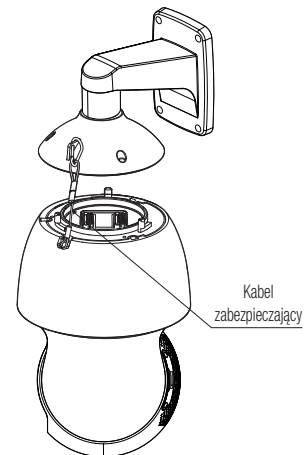


Sprawdź sposób połączenia kablowego.

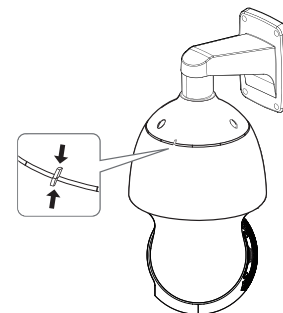
- Uwaga do montażu zewnętrznego, gdzie instalacja jest narażona na wilgoć, dostarczane są **TULEJE** na **RURĘ** lub **UCHWYT**, **OBUDOWĘ** należy montować za pomocą **TULEI**, aby zapobiec przedostawaniu się wilgoci.
 - Przed montażem na **TULEJE** należy nałożyć porcję smaru, i przeciągnąć kable przez 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.

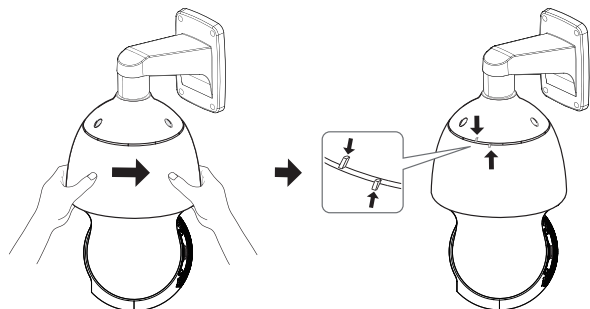


4. Montaż kamery i podstawy instalacyjnej
Zmontuj podstawę instalacyjną i kamerę dopasowując do siebie oznaczenia kierunku.



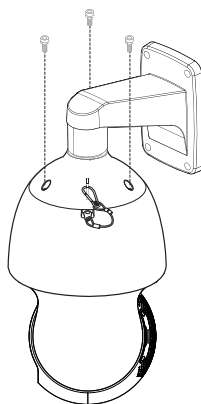
5. Zamocuj kamerę

Obróć korpus aparatu zgodnie z ruchem wskazówek zegara, aby umieścić znacznik w części górnej i dolnej, jak pokazano na rysunku.



6. Mocowanie kamery i podstawy instalacyjnej

Przymocuj podstawę instalacyjną i kamerę za pomocą 3 śrub sześciokątnych, jak przedstawia to poniższy rysunek.



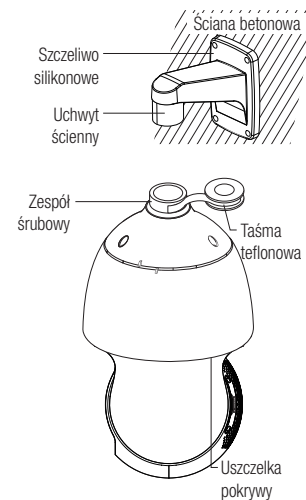
Uwagi dotyczące wodoszczelności

Model jest zintegrowanym produktem w obudowie do instalacji pod gołym niebem.

■ Gdy obudowa główna jest połączona z umocowaniem ściennym do montowania na ścianie

1. Do pionowej ściany zainstalować uchwyt ścienny. Przy instalacji na nachylonej ścianie, wilgoć może przeniknąć do środka obudowy głównej przez kabel zewnętrzny.
2. Część śrubową obudowy ochronnej owinać dostateczną ilością taśmy teflonowej celem zamocowania.
3. Proszę upewnić się, że uszczelka nie została zdjęta z pokrywy po jej zdjęciu ponownym założeniu.
4. Zainstalować ścienny pośredni łącznik mocujący celem zapewnienia wodoszczelności, a pomiędzy i wokół ściany uchwytu ściennego zastosować szczeliwo silikonowe.

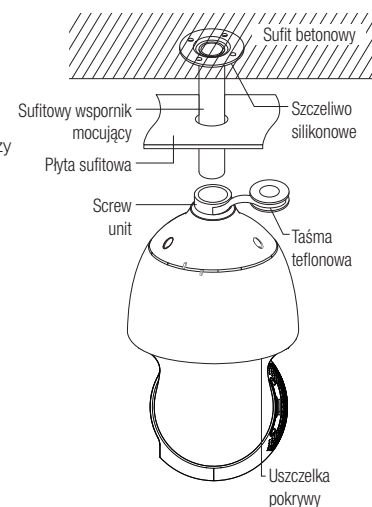
! ■ Zwrócić szczególną uwagę na to, aby zapewnić właściwą szczelność w przypadku, jeśli ściana do której urządzenie jest mocowane, nie jest płaska.



■ Gdy obudowa główna jest połączona z umocowaniem stropowym do montowania na ścianie

1. Część śrubową obudowy owinać dostateczną ilością taśmy teflonowej celem przeprowadzenia montażu.
2. Proszę upewnić się, że uszczelka nie została zdjęta z pokrywy po jej zdjęciu ponownym założeniu.
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.

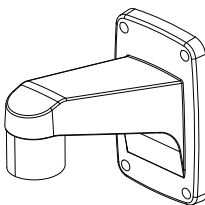


Opcjonalne akcesoria instalacyjne

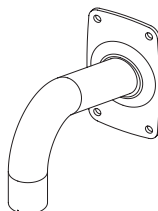
W celu ułatwienia instalacji można zakupić odpowiednie opcjonalne akcesoria.

1. Do instalacji kamery na ścianie

- Montaż ścienny (SBP-300WMW1)

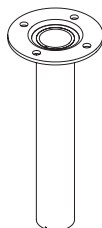


- Montaż ścienny (SBP-300WM)



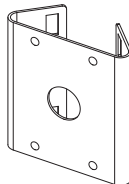
2. Do instalacji kamery na suficie

- Uchwyt sufitowy (SBP-300CMW)



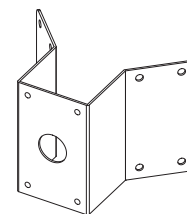
3. Do instalacji uchwyty ściennego (SBP-300WM/SBP-300WMW1) na kołku o długości przynajmniej 80mm

- Montaż na słupie (SBP-300PMW)



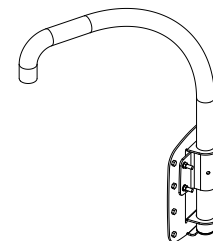
4. Do instalacji uchwyty ściennego (SBP-300WM/SBP-300WMW1) na rogu ściany

- Montaż narożnikowy (SBP-300KMW)

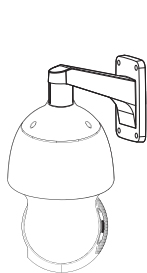


5. Do instalacji na dachu budynku

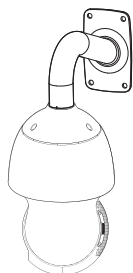
- Montaż na gzymsie (SBP-300LMW)



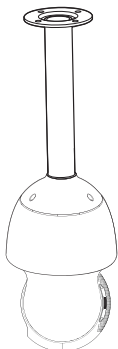
■ Połączenie montażowe



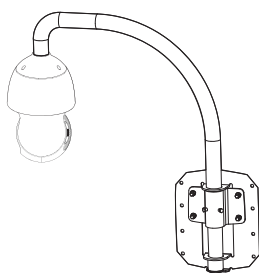
Montaż ścienny (SBP-300WMW1)



Montaż ścienny (SBP-300WM)



Uchwyt sufitowy (SBP-300CMW)

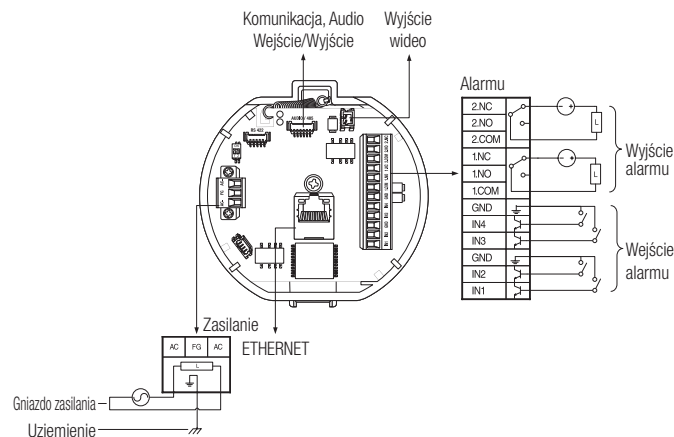


Montaż na gzymsie (SBP-300LMW)

PODŁĄCZANIE INNEGO URZĄDZENIA

Płytki połączeń elektrycznych kamery

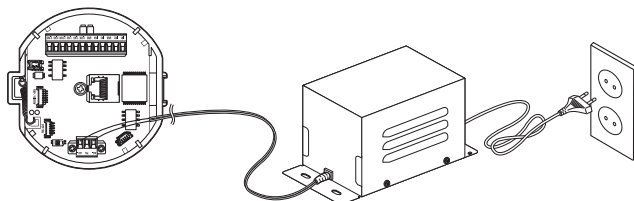
Aby poprowadzić przewody kamery, patrz poniższy rysunek.



- 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 przewodem do poszczególnych zacisków.
- Aby podłączyć produkty o zasilaniu wyższym niż zasilanie kamery, należy użyć dodatkowego urządzenia przekątnikowego.
- Nieprawidłowe podłączenie kabli zasilania i masy do wyjścia NC/NO lub gniazda COM niesie ze sobą ryzyko pożaru i uszkodzenia sprzętu.

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	Pobór prądu
24 V prądu zmiennego	22 V–26 V prądu zmiennego	6 A

- ! ■ Nie można korzystać z produktu w temperaturze urządzenia bądź otoczenia poniżej -50°C.
- Zależnie od otoczenia, Produkt może nie odmrozić się w temperaturze poniżej -50°C.
- Po odłączeniu produktu w niskich temperaturach otoczenia, czas potrzebny na przywrócenie normalnego działania może sięgać 2 godzin.
- Prędkość zoomowania przyciemniacza IR może się zmniejszyć w temperaturze otoczenia poniżej -40°C.
- Jeżeli produkt został włączony po wystawieniu na jakiś czas na temperaturę poniżej -20°C, należy zresetować czas.
- Aby podłączyć urządzenie zewnętrzne, należy wcześniej wyłączyć urządzenie zewnętrzne.

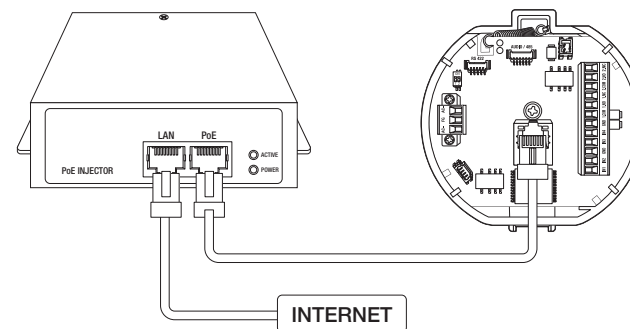
Specyfikacja kabla zasilania

W przypadku wejścia AC 24 V:

Typ drutu (AWG)	#16	#14
Długość kabla (maks.)	14m	23m

Zasilanie i sieć

Połącz urządzenie HPoE ze złączem HPoE kamery.



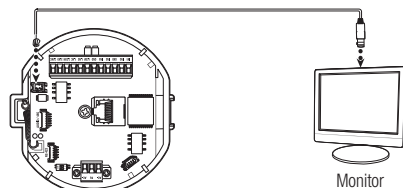
- ! ■ Podłącz i użyj routera z obsługą HPoE.
- Użyj urządzenia HPoE zgodnego ze standardem IEEE802.3bt.

Specyfikacja kabla sieciowego

Przedmiot	Zawartość	Uwagi
Łącze	RJ45 (10/100/1000BASE-T)	
Ethernet	10/100/1000BASE-T	
Kabel	UTP Kategoria 6	
Odległość maks.	100M	Oporność pr. stałego ≤ 0,125 Ω/m
Obsługa HPoE	HPoE	

Podłączenie monitora instalacyjnego

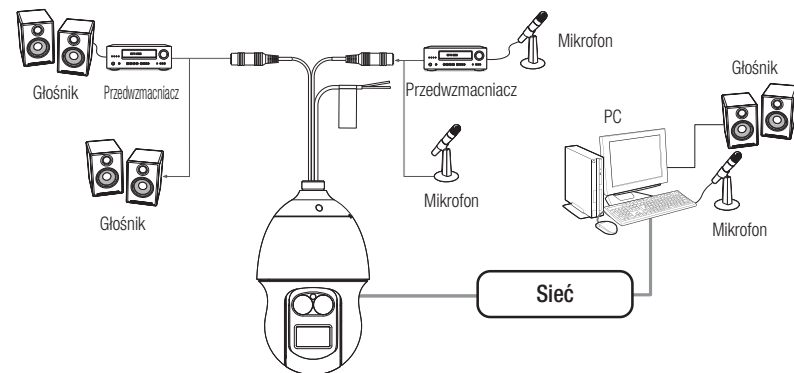
Podłącz kabel do tylnego złącza wyjścia wideo kamery i złącza wejścia wideo monitora instalacyjnego.



- 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.

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

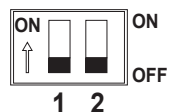
- Wejście audio : G.711 PCM (Szybkość transmisji: 64Kbps / Częstotliwość próbkowania : 8kHz), G.726 ADPCM (Szybkość transmisji: 16Kbps, 24Kbps, 32Kbps, 40Kbps / Częstotliwość próbkowania: 8kHz), AAC (Bit Rate: 48Kbps / Sampling Frequency: 16kHz)
- Wyjście audio : G.711 PCM (Szybkość transmisji: 64Kbps / Częstotliwość próbkowania: 8kHz)

• Dźwięk w trybie pełnego duplexu

- **Wejście audio** : 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 V_{rms}
- **Impedancja wyjścia liniowego** : 600Ω

Ustawienie przełącznika DIP

Ustawienia przełącznika DIP protokołu komunikacji (SW1)



Numery styków SW1	Przeznaczenie
1	Zastrzeżone
2	Ustawienia zakończeń

• 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
Zakończenie najdłuższej ścieżki	ON
Na ścieżce	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

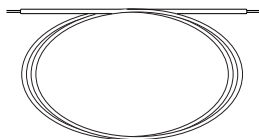
Przewód sygnału sterowania

- Komunikacja RS-485



Przewód komunikacji

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



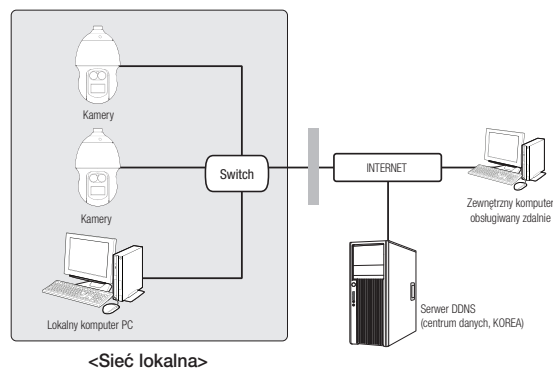
- Do podłączenia zaleca się przewód o długości 30 m lub krótszy.
- Przewód komunikacji nie jest dołączony do kamery.

Można skonfigurować ustawienia sieciowe zgodnie z charakterystyką sieci użytkownika.

PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO SIECI LOKALNEJ

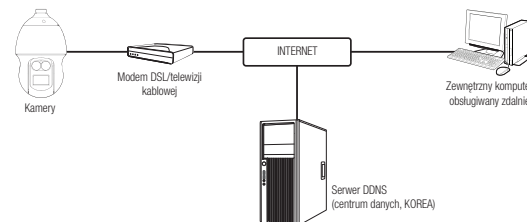
Podłączanie do kamery lokalnego komputera PC przyłączonego do sieci lokalnej

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



- Zdalny komputer PC podłączony do zewnętrznej sieci Internet poza siecią lokalną może nie połączyć się z kamerą podłączoną do intranetu, jeśli przekazywanie portów nie zostanie prawidłowo ustawione lub gdy działa zapora. W takim wypadku, aby rozwiązać problem, należy skontaktować się z administratorem sieci.
- Domyślnym ustawieniem fabrycznym jest automatyczne przydzielanie adresu IP przez serwer DHCP. Jeśli serwer DHCP nie jest dostępny, adres IP zostanie ustawiony na 192.168.1.100. Aby zmienić adres IP, użyj programu Device Manager. Aby uzyskać więcej informacji nt. korzystania z programu Device Manager, patrz „Korzystanie z programu Device Manager”. (Strona 19)

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



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



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

KORZYSTANIE Z PROGRAMU DEVICE MANAGER



- Program Device Manager można pobrać z menu <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.

1. Kliknij <Wyszukaj> na stronie głównej programu Device Manager.
2. 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.

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 <Przypisz następujący adres IP>.
 - Informacje IP kamery zostaną wyświetlone zgodnie z poprzednim ustawieniem.
4. Wypełnij kategorie związane z IP & Port.

Jeżeli nie jest używany Ruter szerokopasmowy

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

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

Jeżeli używany jest Ruter szerokopasmowy

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



- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego rutera.
- Aby uzyskać więcej informacji na temat przekierowywania portu rutera szerokopasmowego, patrz część "Konfigurowanie Przekazywania Zakresu Portów (Mapowania Portów)", (Strona 21)

Jeżeli do Ruter szerokopasmowy jest podłączonych więcej niż jedna kamera

Skonfiguruj ustawienia powiązane z adresem IP oraz portem osobno.

Np.

Kategoria		Kamera 1	Kamera 2
Ustawienia związane z IP	IP Address	192.168.1.100	192.168.1.101
	Subnet Mask	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
Ustawienia związane z portem	HTTP Port	8080	8081
	RTSP Port	554	555



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

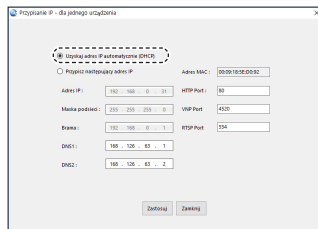
5. Kliknij przycisk [Zastosuj].
6. Jeśli wyświetlona zostanie wiadomość o powodzeniu, kliknij [OK].

Konfigurowanie dynamicznego IP

Odbierz adres IP z DHCP.

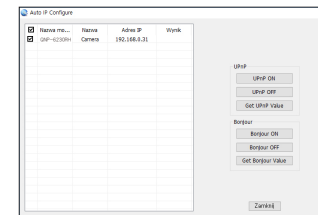
- Przykład środowiska dynamicznego IP
 - Jeżeli do Ruter szerokopasmowy IP z podłączonymi kamerami zostanie przypisany adres IP przez serwer DHCP
 - Jeżeli kamera zostanie podłączona bezpośrednio do xDSL lub modemu kablowego za pomocą protokołów DHCP
 - Jeżeli adresy IP są przypisywane przez wewnętrzny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

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



AUTOMATYCZNA KONFIGURACJA IP

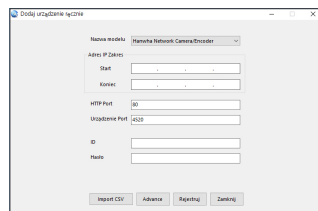
1. Kliknij kamerę z listy dla której chcesz automatycznie skonfigurować IP.
2. Kliknij **< + >** na głównej stronie programu Device Manager.
 - Pojawi się menu ustawień sprzętu.
3. W menu kliknij **<Auto IP Configure (Auto konfiguracja IP)>**.
4. Kliknij przycisk **[Zamknij]**.



RĘCZNA REJESTRACJA KAMERY

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

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

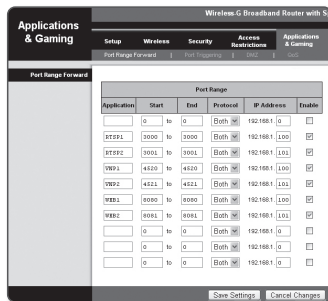


KONFIGUROWANIE PRZEKAZYWANIA ZAKRESU PORTÓW (MAPOWANIA PORTÓW)

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

Ręczne przekazywanie zakresu portów

1. Z menu Konfiguracja Ruter szerokopasmowy, wybierz opcję <Applications & Gaming> - <Port Range Forward>. W celu ustawienia przekazywania zakresu portów dla routera innego producenta należy zapoznać się z instrukcją obsługi tego Routera szerokopasmowego.
2. Wybierz opcję <TCP> oraz <UDP Port> dla każdej kamery podłączonej do Routera szerokopasmowego. 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.

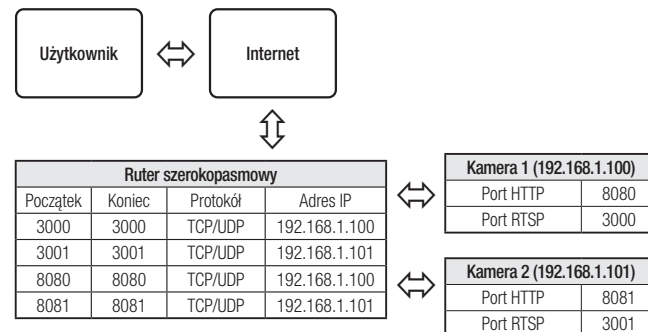


- Ustawienie przekierowania portu jest przykładem ustawienia routera IP CISCO.
- Ustawienia mogą być różne, w zależności od Routera szerokopasmowego. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego routera.

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 klanstrze sieciowym routera szerokopasmowego, użytkownicy mogą uzyskać dostęp do kamer w sieci routera szerokopasmowego, używając DDNS URL kamery.

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

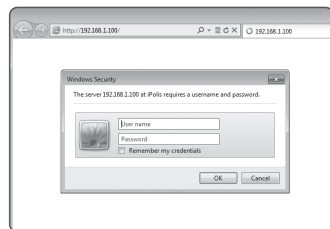


■ Aby korzystać z DDNS, zarejestruj się na stronie głównej DDNS (<http://ddns.hanwha-security.com>) i zarejestruj produkt w **[Moje DDNS]> [Zarejestruj Produkt]**.

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.



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.

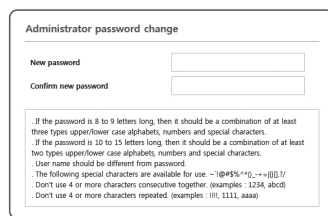
Po zarejestrowaniu urządzenia z dynamicznym adresem IP w serwerze DDNS można bezpiecznie sprawdzić zmieniony adres IP podczas uzyskiwania dostępu do urządzenia. Aby zarejestrować urządzenie na serwerze <DDNS>, najpierw wejdź na stronę <http://ddns.hanwha-security.com> i zarejestruj urządzenie, a następnie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



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



LOGOWANIE

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

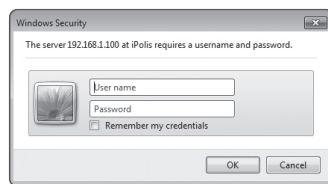
- Wpisz słowo **"admin"** w polu **<User Name>**.
ID administratora **"admin"** jest stałe i nie można go zmienić.
- Wprowadź hasło w polu **<Password>**.
- Kliknij przycisk **[OK]**.
Jeżeli logowanie się powiodło, zostanie wyświetlony ekran aplikacji Live Viewer.



- Podczas korzystania z podglądu internetowego należy zwrócić uwagę na bezpieczeństwo i sprawdzić, czy obraz jest szyfrowany.



- Jeżeli zostanie zaznaczona opcja **"Remember my credentials"** po wprowadzeniu danych, przy kolejnym uruchomieniu nastąpi automatyczne logowanie bez potrzeby podawania danych logowania.
- Najlepszą jakość wideo można uzyskać przy ekranie o rozmiarze 100%. Zmniejszenie współczynnika może spowodować obcięcie krawędzi obrazu.



USTAWIANIE PRZEGLĄDARKI INTERNETOWEJ KAMERY

- Kliknij ikonę **[Ustawienia (⚙️)]**.
- Wyświetlone zostanie okno Ustawienia.
- Ustawienia dotyczące podstawowych informacji o kamerze, wideo, dźwięku, sieci, zdarzeń, analizy i systemu można skonfigurować za pośrednictwem sieci.
- Kliknij opcję **<Pomoc (🔗)>**, aby wyświetlić szczegółowy opis każdej funkcji.

DANE TECHNICZNE

Elementy		Opis
		QNP-6230RH
Wideo	Urządzenie obrazujące	1/2.8" 2MP CMOS
	Efektywna liczba pikseli	1944(pionowo) X 1212(poziomo)
	Min. oświetlenie	Kolor : 0,05 luksów (F1,6, 1/30s) Czarno-biały : 0 luksów (lampa LED IR włączona)
	Wyjście wideo	CVBS : 1,0 Vp-p / 75Ω Zespolony sygnał, 720x480(N), 720x576(P) do instalacji
Obiektyw	Odległość ogniskowa (współczynnik zoomu)	4,44~102,2mm(23x) zoom
	Maks. otwór przesłony	F1,6 (Panoramiczny) ~ F3,6 (Tele)
	Kąt pola widzenia	H : 61,8°(Panoramiczny) ~ 3,08°(Tele) / V : 36,2°(Panoramiczny) ~ 1,73°(Tele)
	Min. odległość obiektu	Panoramiczny: 1,5m(4,92 stóp), Tele: 2m(6,56 stóp)
	Regulacja ostrości	Oneshot AF
	Rodzaj obiektywu	Autom. przysł. DC
Panoram./odchyl./obr.	Zakres pan.	360° nieograniczony
	Prędkość pan.	Preset: 400°/s, Ręczny: 0,024°/s – 250°/s
	Zakres odchylenia	95°(-5° ~ 90°)
	Prędkość odchylania	Preset: 250°/s, Ręczny: 0,024°/s – 250°/s
	Sekwencja	Programowanie (300ea), ruch wahadłowy, grupa (6ea), śledzenie, obchód, automatyczne wykonywanie, harmonogram
	Dokładność ustawienia wstępnego	±0.2°
	Azymut	Obsługa
	Śledzenie auto	Obsługa
Informacje dotyczące obsługi	Widoczna długość IR	100 m (328,08 stóp)
	Tytuł kamery	Wyświetlane do 85 znaków
	Dzień i noc	Autom. (ICR)
	Kompensacja podświetlenia	BLC, HLC, WDR, SSDR
	Funkcja szerokiego zakresu dynamiki	120dB

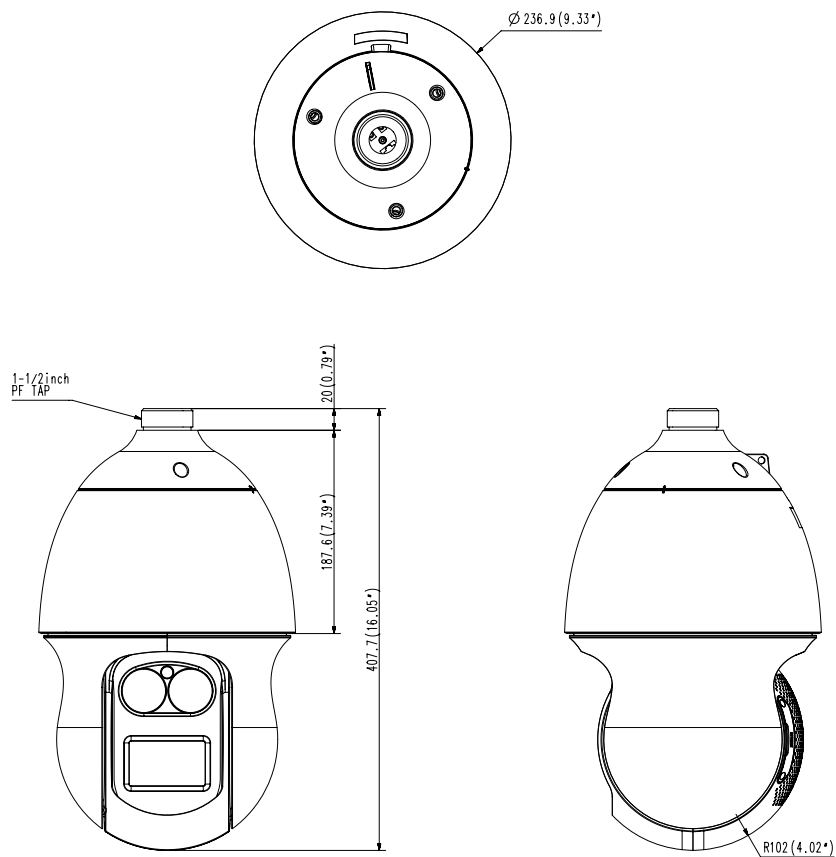
Elementy		Opis
		QNP-6230RH
Informacje dotyczące obsługi	Redukcja szumów cyfrowych	SSNR V
	Cyfrowa stabilizacja obrazu	Obsługa (czujnik żyroskopowy)
	Usuwanie mgły (Optical)	Obsługa
	Wykrywanie ruchu	8ea, 8punktowe polifoniczne strefy
	Maska prywatności	24ea, prostokątne wsparcie - Kolor: szary/zielony/czerwony/niebieski/czarny/biały - Mozaika
	Regulacja wzmocnienia	Niskie / Środkowy / Wysokie
	Balans bieli	ATW / AWC / Ręczny / Wewnętrz / Na zewnątrz
	Prędkość elektronicznej migawki	Minimum / Maksimum / Anty-migotanie (2 ~ 1/12000s)
	Rotacja wideo	Odwrót, Odbicie
	Inteligentna analiza wideo	wykrywanie kierunku, wykrywanie ruchu, wchodzenie/wychodzenie, sabotaż, wirtualna linia, wtargnięcie
	Interfejs szeregowy	RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
	Wej./wyj. alarmu	Wejście 4 / Wyjście 2
	Funkcje aktywujące alarm	Analizy, odłączenie od sieci, wprowadzanie alarmu
	Zdarzenia alarmu	- Przesyłanie plików za pośrednictwem FTP, poczty elektronicznej - Powiadomienia za pośrednictwem poczty elektronicznej - Nagrywanie przy wyzwalaczach zdarzeń SD/SDHC/SDXC lub NAS - Wyjście alarmu - Ustawienia wstępne PTZ
	Dźwięk Wejście	Ustawianie (mic in/line in), Napięcie zasilania : 2,5VDC DC (4mA), Impedancja wejścia: approx. 2K Ohm
	Dźwięk Wyjście	Wyjście liniowe, maks. poziom mocy wyjściowej: 1 Vrms

Elementy	Opis	
	QNP-6230RH	
Sieć	Ethernet	RJ-45 (10/100BASE-T), SFP(Opcjonalny)
	Format kompresji wideo	H.265/H.264, MJPEG
	Rozdzielczość	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
	Maks. prędkość odświeżania	H.265/H.264: Maks. 60 kl./s / 50 kl./s(60Hz/50Hz) MJPEG: Maks. 30 kl./s / 25 kl./s(60Hz/50Hz)
	Smart Codec	Ręczny (obszar 5ea), WiseStreamII
	Regulacja jakości wideo	H.264/H.265 : Kontrola poziomu przepływności MJPEG : Kontrola poziomu przepływności
	Sterowanie szybkością transmisji	H.264/H.265 : CBR lub VBR MJPEG : VBR
	Streaming	Unicast (10 użytkowników) / multicast Wiele kodeków (do 10 profili)
	Audio Compression	G.711 μ-law (u-prawo) /G.726 Selectable (Wybieralny) G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC : 48 Kbps na 16 KHz
	Protokół	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/ TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour,LLDP, SRTP
	Zabezpieczenia	HTTPS(SSL) Autoryzacja logowania Uwierzytelnienie logowania Digest Filtrowanie adresu IP Dziennik dostępu użytkownika metoda uwierzytelniania 802.1x (EAP-TLS, EAP-LEAP)
	Pamięć Edge	1 gniazdo Micro SD/SDHC/SDXC 256GB

Elementy	Opis	
	QNP-6230RH	
Sieć	Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Platforma Wisenet Open Platform
	Język strony internetowej	Angielski, Koreański, Chiński, Francuski, Włoski, Hiszpański, Niemiecki, Japoński, Rosyjski, Szwedzki, Portugalski, Czeski, Polski, Turecki, Holenderski, Węgierski, Grecki
	Przeglądarka internetowa	Obsługiwany system operacyjny: Windows 7 / 8.1 / 10, MAC OS X 10.12, 10.13, 10.14 Zalecana przeglądarka: Google Chrome Obsługiwana przeglądarka : MS Explore11, MS Edge, Mozilla Firefox (Obsługiwana wyłącznie w systemie Windows 64bit), Apple Safari 10 (Obsługiwana wyłącznie w systemie Mac OS X)
	Pamięć	1024 MB RAM, 256 MB Flash
Dane użytkowe	Temperatura robocza/ wilgotność	24 V AC : -50°C do +55°C (-58°F ~ +131°F) / Wilgotność względna (RH) poniżej 90% HPoE : -40°C ~ +55°C (-40°F ~ +131°F) / Wilgotność względna (RH) poniżej 90% * Uruchomienie powinno nastąpić w temperaturze powyżej -35°C
	Temperatura przechowywania/ Wilgotność	-50°C do +60°C (-58°F ~ +140°F) / Wilgotność względna (RH) poniżej 90%
	Certyfikat	IP66, IK10
Dane dotyczące zasilania	Napięcie i prąd wejściowy	24VAC, HPoE(IEEE802.3bt, klasa 7)
	Pobór Mocy	24VAC: Maks. 83W (Typowe : 30W) HPoE : Maks. 51W (Typowe : 30W)
Dane zewnętrzne	Kolor/Materiał	Korpus: kość słoniowa / tworzywo sztuczne, Głowica: czarny / tworzywo sztuczne
	Wymiary / waga produktu	Ø236,9x407,7mm(9,33x16,05"), 6,8kg(14,99 lb)

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.
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 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	
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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Version 2, June 1991

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- Version 1.1

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Component Name	License	URL
zlib-1.2.8	zlib / libpng	http://zlib.net/

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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 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.

