

KAMERA SIECIOWA

Instrukcja obsługi

XNV-6012/XNV-6012M/XNV-6013M
XNV-6022R/XNV-6022RM

Kamera Sieciowa

Instrukcja obsługi

Prawa autorskie

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Znaki towarowe

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

Ograniczenia

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

Wyłączenie odpowiedzialności

Firma **Hanuwa Vision** przedsięwzięła wszelkie wysiłki, aby zapewnić spójność i poprawność treści niniejszej publikacji, ale nie zapewnia formalnych gwarancji. Użytkownik bierze pełną odpowiedzialność za stosowanie tego dokumentu i wyniki rezultaty. Firma **Hanuwa Vision** zastrzega sobie prawo do zmiany treści tego dokumentu bez uprzedzenia.

※ 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

1. Należy przeczytać poniższe zalecenia.
2. Należy zachować je do wglądu.
3. Należy przeczytać wszystkie ostrzeżenia.
4. Należy przestrzegać wszystkich zaleceń.
5. Nie używać urządzenia w pobliżu wody.
6. 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).
7. Nie blokować żadnych otworów wentylacyjnych. Montować zgodnie z instrukcją producenta.
8. Nie montować w pobliżu źródeł ciepła takich jak grzejniki, kratki nagrzewnik lub innych urządzeń (w tym wzmacniaczy) emitujących ciepło.
9. Nie lekceważać zabezpieczenia wynikającego ze stosowania wtyczek spolaryzowanych lub z uziemieniem. Wtyczka spolaryzowana ma dwa bolce, z których jeden jest szerszy od drugiego. Wtyczka z uziemieniem ma trzy bolce, z czego jeden jest uziemiający. Szerszy lub odpowiednio trzeci bolec stosuje się w celu zapewnienia bezpieczeństwa. Jeśli dostarczona wtyczka nie pasuje do gniazda, skontaktuj się z elektrykiem w celu wymiany przestarzałego gniazda.
10. Przewód zasilający przy wtyczkach, oprawach oraz w miejscach, gdzie wystają one z urządzenia należy zabezpieczyć przed możliwością nadepnięcia lub przyciśnięcia.
11. Używać wyłącznie elementów dodatkowych/akcesoriów zalecanych przez producenta.
12. 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.
13. W czasie burzy z wyładowaniami atmosferycznymi lub w przypadku nieużywania urządzenia przez dłuższy czas należy odłączyć urządzenie od zasilania.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. Instalacja lub eksploatacja produktu w wodzie może doprowadzić do jego poważnego uszkodzenia.



OSTRZEŻENIE

ABY ZMNIJSZYĆ RYZYKO POŻARU LUB PORAŻENIA PRĄDEM ELEKTRYCZNYM, NIE NALEŻY WYSTAWIAĆ URZĄDZENIA NA DZIAŁANIE WODY ANI WILGOCI. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

Nie należy narażać urządzenia na kapanie lub rozlewanie płynów. Na urządzeniu nie należy stawiać przedmiotów wypełnionych cieczą np. wazonów.

Aby zapobiec obrażeniom, urządzenie należy dobrze przymocować do ściany/sufitu, zgodnie z instrukcjami montażu.

UWAGA

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

WYJAŚNIENIE SYMBOLI GRAFICZNYCH



Równoboczny trójkąt ostrzegawczy ze znakiem błyskawicy zakończonej 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.

Odłączanie urządzenia

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

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

UWAGA

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

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

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

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

ITE należy podłączać tylko do sieci PoE bez trasowania do zewnętrznego zakładu.

Należy uważnie przeczytać poniższe zasady bezpieczeństwa.

- Nie należy umieszczać tego urządzenia na nierównej powierzchni.
- Urządzenia nie należy instalować na powierzchni wystawionej bezpośrednio na działanie promieni słonecznych, w pobliżu grzejników lub w miejscach o bardzo niskiej temperaturze.
- Nie umieszczać urządzenia w pobliżu materiałów przewodzących.
- Nie należy samodzielnie podejmować prób naprawy urządzenia.
- Na urządzeniu nie należy stawiać pojemników z wodą.
- Produktu nie należy instalować w pobliżu urządzeń emitujących pola magnetyczne.
- Nie zasłaniać otworów wentylacyjnych.
- Na urządzeniu nie należy kłaść ciężkich przedmiotów.
- Podczas instalacji i demontażu kamery należy używać rękawic ochronnych. Wysoka temperatura powierzchni produktu może spowodować poparzenia ciała.

Instrukcja obsługi zawiera wytyczne dotyczące użytkowania produktu.

W niniejszej instrukcji obsługi informacje są oznaczone jako.

- Informacje dodatkowe : wytyczne dotyczące użytkowania produktu
 - Uwaga : informacje o występowaniu ryzyka uszkodzenia produktu lub obrażenia użytkownika w wyniku nieprzestrzegania instrukcji
- ※ W celu zapewnienia bezpieczeństwa przed rozpoczęciem korzystania z urządzenia należy zapoznać się z poniższą instrukcją obsługi i przechowywać ją w bezpiecznym miejscu.

W niektórych środowiskach montażowych mogą wystąpić zakłócenia w komunikacji radiowej. W przypadku wystąpienia zakłóceń fal elektromagnetycznych między produktem a urządzeniem komunikacji radiowej zaleca się zachowanie pewnej odległości między nimi lub zmianę kierunku anteny odbiorczej.

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ZALECANE SPECYFIKACJE KOMPUTERA PC

- Procesor: Intel(R) Core(TM) i7 3.4 GHz lub wyższy
 - Pamięć RAM: 8 GB lub więcej
 - Obsługiwany system operacyjny: Windows, Mac OS X
 - **Przeglądarka Web Viewer wolna od wtyczek**
Obsługiwane przeglądarki internetowe: Google Chrome, MS Edge, Mozilla Firefox(Obsługiwana wyłącznie w systemie Windows 64bit), Apple Safari (Obsługiwana wyłącznie w systemie Mac OS X)
 - **Przeglądarka Web Viewer z wtyczkami**
Obsługiwane przeglądarki internetowe: MS Explorer, Apple Safari (Obsługiwana wyłącznie w systemie Mac OS X)
- ※ Szczegółowe informacje na temat wersji przeglądarki i systemu operacyjnego można znaleźć w załączniku.

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.

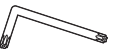
Zalecane produkty	Dostępne rozmiary
QNAP NAS	Dostęp jednoczesny dla maksimum 16 kamer.
Synology NAS	Dostęp jednoczesny dla maksimum 16 kamer.



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

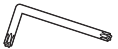
CO ZNAJDUJE SIĘ W OPAKOWANIU (XNV-6012/6012M/6022R/6022RM)

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	Nazwa modelu
	Kamera	1		XNV-6012/ XNV-6012M/ XNV-6022R/ XNV-6022RM
	Skrócona instrukcja obsługi (Opcjonalny)	1		
	Karta gwarancyjna (Opcjonalny)	1		
	Klucz gwiazdowy	1	Służy do demontażu/montażu osłony kopułkowej	
	Wkręt samogwintujący M4	2	Stosowany do mocowania kamery do ściany lub sufitu	
	Plastikowa obsadka	2	Służy do wkręcania śruby w otwór (dodatkowe zabezpieczenie śruby)	
	Szablon	1	Używany do montażu kamery	
	Wspornik mocujący	1	Używany do montażu kamery na ścianie lub puszcze instalacyjnej	
	Śruba M4 do montażu wspornika.	2	Używa się go do mocowania kamery na wsporniku mocującym	
	Wodoodporny element uzupełniający RJ45	1	Używany do uzyskania wodoodporności kabla złącza RJ45	XNV-6012/ XNV-6022R

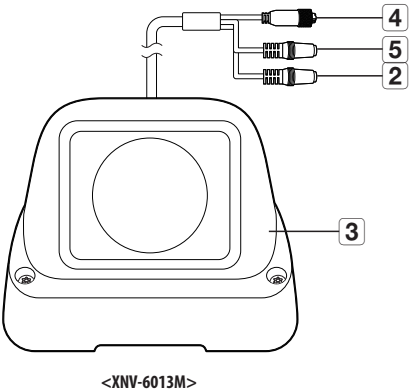
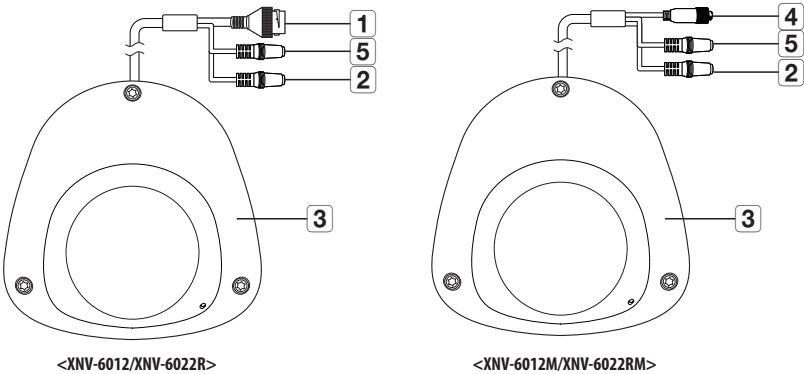
CO ZNAJDUJE SIĘ W OPAKOWANIU (XNV-6013M)

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	
	Klucz gwiazdowy	1	Służy do demontażu/montażu osłony kopułkowej
	Wkręt samogwintujący M4	4	Stosowany do mocowania kamery do ściany lub sufitu
	Śruby	4	Śruby używane do montażu kamery na zawieszce, GangBox itd.
	Pierścień uszczelniający	4	Użyj razem z wkrętem samogwintującym M4 (wodoodpornym)
	Plastikowa obsadka	4	Służy do wkręcania śruby w otwór (dodatkowe zabezpieczenie śruby)
	Szablon	1	Używany do montażu kamery

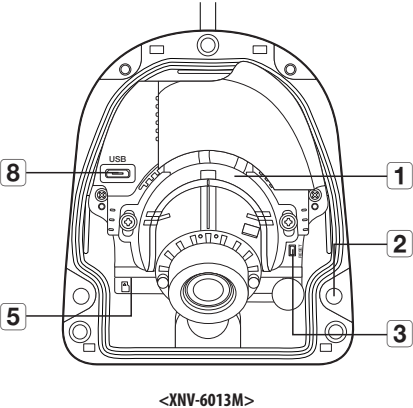
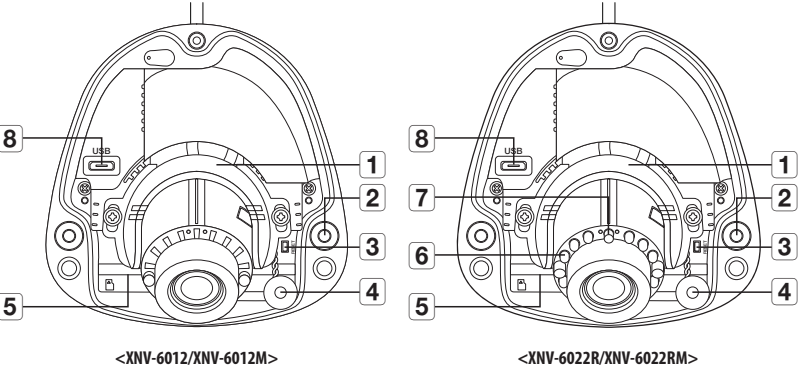
SPOJRZENIE NA KAMERĘ

Wygląd



Element	Opis
1 Złącze PoE	Łączy z siecią i zapewnia zasilanie poprzez kabel Ethernet.
2 Gniazdko Audio In	Stosowane do podłączania mikrofonu. (różowy)
3 Osłona Kopułkowa	Osłona chroniąca obiektyw i urządzenie główne.
4 Kabel łącz M12 żeński	Łączy męskie M12 do zasilania i połączenia sieciowego.
5 Gniazdko Audio Out	Stosowane do podłączania głośników. (zielony)

Wnętrze



Element	Opis
1 Ośłona obiektywu	Służy do ochrony i mocowania obiektywu.
2 Otwór na śrubę	Otwór do mocowania kamery na suficie.
3 Przycisk Reset	Przywracanie ustawień kamery do ustawień 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.
4 Otwór mikrofonu	Mikrofon jest wbudowany.
5 Gniazdo karty pamięci Micro SD	Gniazdo karty pamięci Micro SD.
6 Dioda podczerwieni	Diody podczerwieni są sterowane za pomocą czujnika oświetlenia.
7 Czujnik oświetlenia	Wykrywa natężenie światła i steruje diodą podczerwieni.
8 Port MICRO USB	Port umożliwiający podłączenie klucza sprzętowego Wi-Fi. Wideo przedstawiające instalację można odtworzyć za pośrednictwem aplikacji zainstalowanych w smartfonie. (do instalacji) Więcej informacji zawiera rozdział „Podłączanie klucza Wi-Fi” na stronie 15. ■ Klucz Wi-Fi i adapter OTG są sprzedawane osobno.

INSTALACJA

Środki ostrożności przed montażem

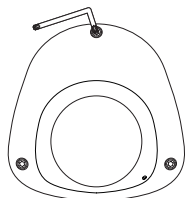
Przed przystąpieniem do montażu kamery należy przeczytać poniższe instrukcje:

- Obszar montażu kamery na suficie musi wytrzymywać co najmniej 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.
- Ta kamera jest produktem wodoszczelnym i spełnia wymagania stopnia ochrony IP66 (XNV-6012M/6022RM) oraz IP67 (XNV-6013M). Jeśli jednak standardowe złącze i przewód M12 nie będą używane, gniazdo nie będzie wodoszczelne. Podczas montażu tego produktu zalecane jest użycie standardowego przewodu zewnętrznego M12.
- Podczas montażu kamery na zewnątrz pojazdu należy zwrócić uwagę, aby została zamontowana na płaskiej powierzchni.

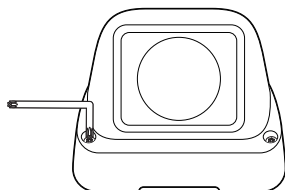
Rozmontowywanie

Aby zdemonstrować pokrywę kopułkową, poluzuj śruby mocujące poprzez odkręcenie ich przeciwnie do ruchu wskazówek zegara, przy użyciu dołączonego do zestawu klucza gwiazdowego.

- Nie jest konieczne pełne poluzowanie śrub.



<XNV-6012/6012M/6022R/6022RM>



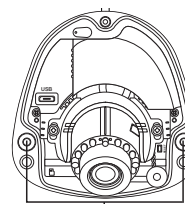
<XNV-6013M>

Instalacja

1. Uwzględnij kierunek monitorowania, przyłóż szablon na przy jego użyciu wywierć otwory.
2. Przykręć kamerę, wkręcając w otwory wkręty samogwintujące dołączone do zestawu.

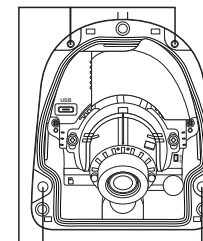


- Do zamontowania produktu na ścianie należy użyć załączony w zestawie wspornik mocujący.



Otwór na śrubę

<XNV-6012/6012M/6022R/6022RM>



Otwór na śrubę

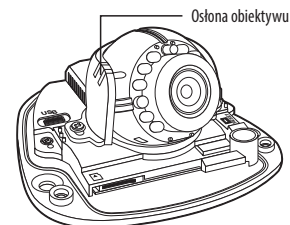
<XNV-6013M>

3. Złuzować wkręty po obu stronach osłony obiektywu kamery poprzez ich obrót w lewo.

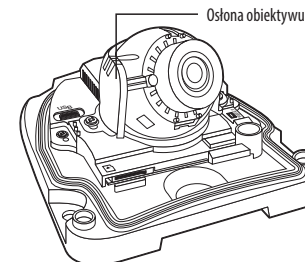


- Obracanie obiektywem (kolpakiem) na siłę bez zwolnienia wkrętów może spowodować uszkodzenie.

4. Ustaw żądany kierunek obiektywu zgodnie ze wskazówkami zawartymi w rozdziale „Regulacja kierunku monitorowania kamery”. (Strona 13)

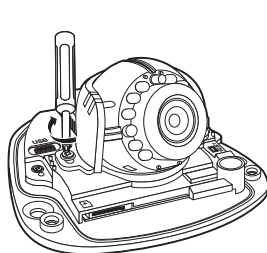


<XNV-6012/6012M/6022R/6022RM>

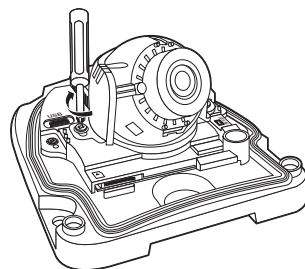


<XNV-6013M>

5. Po ustawieniu kąta, obrócić wkręty w prawo w celu unieruchomienia kąta.



<XNV-6012/6012M/6022R/6022RM>



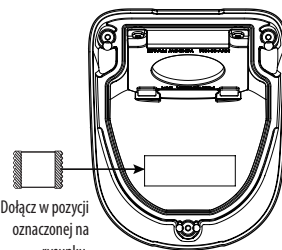
<XNV-6013M>

6. (Tylko dla XNV-6013M) Dołącz dodatkowy pochłaniacz wilgoci (typ karty).

Dodatkowy pochłaniacz wilgoci jest dostarczany w zamkniętym opakowaniu. Można go użyć do zapobiegania wilgoci (tworzeniu się rosy), która powstaje w wyniku dostania się wody do środka zestawu podczas procedury instalacji produktu (odłączenia pokrywy).

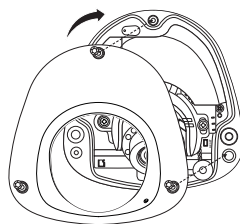
- 1) Usunąć opakowanie dodatkowego pochłaniacza wilgoci.
- 2) Po usunięciu taśmy ochronnej z pochłaniacza wilgoci, dołączyć go do części wewnętrznej pokrywy górnej, jak na rysunku.
- 3) Złożyć górną pokrywę z pochłaniaczem wilgoci do obudowy.

- ! ■ Nie instalować w wilgotnym środowisku. (Na kopule może pojawić się wilgoć lub rosa.)
- Nie zostawiać bez pokrywy na dłużej niż 10 minut.
- Jeżeli usunięto opakowanie z dodatkowego pochłaniacza wilgoci:
- nie zostawiać go na dłużej niż pięć minut.
 - nie zbliżać się do wody.
- Cały proces [Odłączenie pokrywy → Dołączenie pochłaniacza wilgoci → Zamknięcie pokrywy] powinien potrwać 10 minut.

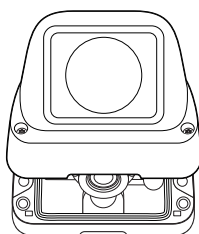


7. Założyć pokrywę kopułkową i wkręcić wkręty kluczem gwiazdowym zgodnie z ruchem wskazówek zegara, aby ją przymocować.

- ! ■ W przypadku niewystarczającego przymocowania osłony mogą wystąpić problemy z wodoodpornością.



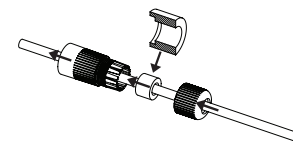
<XNV-6012/6012M/6022R/6022RM>



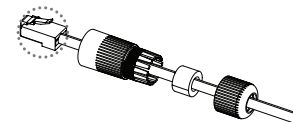
<XNV-6013M>

Jak podłączyć wodoodporny przewód RJ45 do przewodu sieciowego LAN (XNV-6012/6022R)

1. Wsuń przewód zgodnie z kierunkiem wskazywanym przez strzałkę.

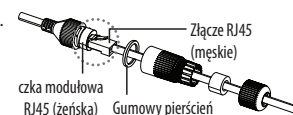


2. Podłączyć złącze LAN (męskie) do przewodu.

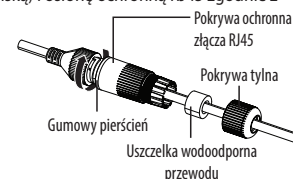


3. Podłączyć wtyczkę modułową RJ45 (żeńską) do złącza RJ45 (męskiego).

- ! ■ Części muszą być od siebie oddzielone.

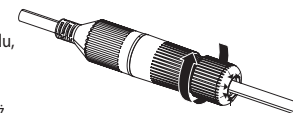


4. Dokonać montażu elementów, obracając wtyczkę modułową RJ45 (żeńską) i osłonę ochronną RJ45 zgodnie z ruchem wskazówek zegara (w kierunku pokazanym przez strzałkę).



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

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

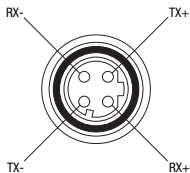


Podłączenie kabla łączącego (XNV-6012M/6013M/6022RM)

Połącz wtyk męski M12 z otworem wtyku żeńskiego M12 kamery.

- Kamera posiada wtyki żeńskie typu D.
- PoE (Power over Ethernet) jest obsługiwany.
- Zalecane jest korzystanie z ekranowanego łącza sieciowego

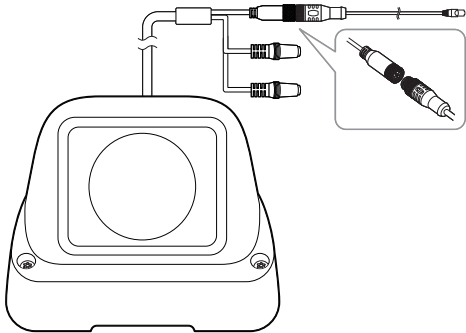
- Podłącz kamerę ekranowanym kablem sieciowym (STP).
- Proszę użyć 4-biegunowego męskiego kabla zewnętrznego typu D, spełniającego specyfikację M12.
- Sprawdź, czy urządzenie PoE jest właściwie uziemione.



Wykonanie połączenia za pomocą kabla przejściowego M12-RJ45 (XNV-6012M/6013M/6022RM)

Podłączyć męski wtyk M12 przejściówki do żeńskiego M12 kamery.

- Kabel M12-RJ45 jest sprzedawany osobno.



Zasilanie i sieć (XNV-6012/6022R)

Połączyć kamerę z sprzętem PoE.

- Podłącz do wtyku routera obsługującego PoE (Power over Ethernet).
- PoE (Power over Ethernet) musi być zgodne z protokołami IEEE802.3af.

Zasilanie i sieć (XNV-6012M/6013M/6022RM)

Kamerę podłączyć do złącza PoE kabla przejściowego M12-RJ45 kamery ze sprzętem PoE.

- Metoda połączenia może zależeć od środowiska instalacji.
- Podłącz do wtyku routera obsługującego PoE (Power over Ethernet).
- PoE (Power over Ethernet) musi być zgodne z protokołami IEEE802.3af. Można wykorzystywać jedynie urządzenia zasilające na parach bolców 1,2,3,6.
- W przypadku użycia kabla M12-RJ45 można zastosować jedynie sprzęt PoE typu trybu A, który zapewnia zasilanie parowym pinom danych 1, 2, 3, 6.

Specyfikacja kabla sieciowego

Przedmiot	Zawartość	Uwagi
Łącze	RJ45	
Ethernet	10/100Base-T	10/100 Mbps
Kabel	UTP Kategoria 5e	
Odległość maks.	100M	Rezystancja prądu stałego ≤ 0,188 Ω/m
Obsługa PoE	IEEE 802.3af	

Montaż na zewnątrz budynku

W przypadku montażu na zewnątrz budynku, kamerę należy uszczelnić wodoszczelną taśmą z kauczuku butylowego dostępną w sklepach, tak aby woda nie dostawała się przez zamocowany na zewnątrz kabel. (XNV-6012/6022R)

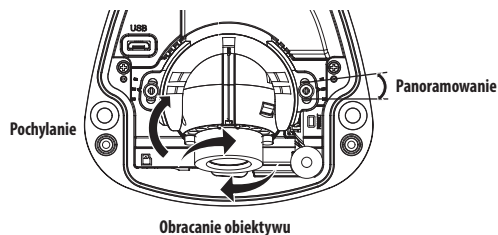
Należy użyć taśmy uszczelniającej z gumy butylowej tak jak na rysunku poniżej, ponieważ woda może przedostawać się przez szczeliny w innych niż M12 kablach zewnętrznych biegnących na zewnątrz budynku. (XNV-6012M/6013M/6022RM)

1. Podłącz przewód PoE.
2. Taśmą wodoszczelną (z kauczuku butylowego) owinać osłonkę czarnego kabla (Obszar A) oraz obszar złącza kabla, tak aby powstała zakładka szeroka na ponad połowę szerokości użytej taśmy butylowo-kauczukowej.



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

Regulacja kierunku monitorowania kamery (XNV-6012/6012M/6022R/6022RM)



■ Ustawianie kierunku monitorowania

Kierunek kamery można wyregulować dopiero, gdy kamera jest zamocowana na suficie.

Obracanie kamery w lewo lub w prawo jest wykonywane przy użyciu funkcji Panoramowanie, regulowanie pochylenia przy użyciu funkcji Pochylenie, natomiast obracanie obiektywu wzdłuż jego osi jest możliwe dzięki funkcji Obracanie.

- Maksymalny zakres PAN od -5° do $+5^{\circ}$.
- Kąt OBROTU wynosi albo -90° albo $+90^{\circ}$.
- Całkowity zakres ODCHYLENIA wynosi 67° .

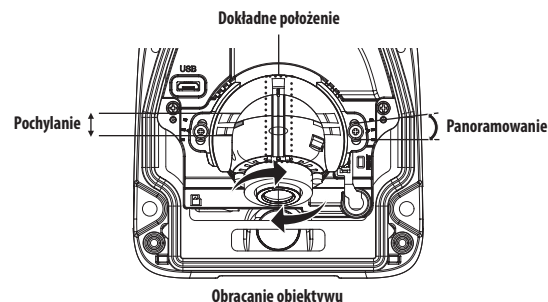


- Użytkowanie kamery pod kątem spoza zakresu specyfikacji technicznych może powodować odbicia IR lub nieczytelny obraz.

■ Metody regulacji

1. Po zamontowaniu kamery dostosuj kąt panoramowania, aby obiektyw skierowany był w stronę monitorowania.
2. Ustawić kąt poziomy, tak aby obraz nie był odwrócony.
3. Ustaw kąt pochylenia, tak aby kamera była ustawiona w kierunku monitorowanego obiektu.

Adjusting the monitoring direction for the camera (XNV-6013M)



■ Ustawianie kierunku monitorowania

Kierunek kamery można wyregulować dopiero, gdy kamera jest zamocowana na suficie.

Obracanie kamery w lewo lub w prawo jest wykonywane przy użyciu funkcji Panoramowanie, regulowanie pochylenia przy użyciu funkcji Pochylenie, natomiast obracanie obiektywu wzdłuż jego osi jest możliwe dzięki funkcji Obracanie.

- Maksymalny zakres PAN od -5° do $+5^{\circ}$.
- Kąt OBROTU wynosi albo -90° albo $+90^{\circ}$.
- Maksymalny zakres wychylenia wynosi od -10° do $+10^{\circ}$.



- W przypadku zastosowania kąta innego niż określony kąt obrotu obraz może być nieczytelny. W szczególności należy zwrócić uwagę, aby podczas regulacji wychylenia część oznaczona na obiektywnie nie przemieściła się poza zakres strzałki.
- W przypadku jednoczesnego użycia funkcji panoramowania i wychylenia obraz może być nieczytelny.
- Jeśli widok holu nie znajduje się w prawidłowej pozycji (0 stopni), obraz może być nieczytelny.

■ Methods of adjustment

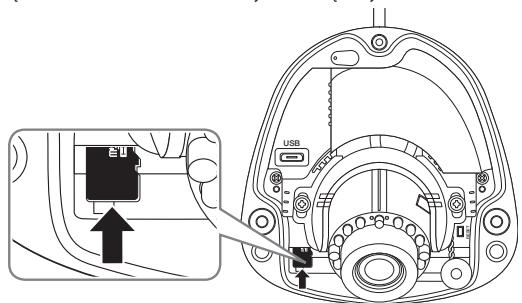
1. Ustaw długie oznaczenie na środku obiektywu w dokładnym położeniu.
2. Po zamontowaniu kamery dostosuj kąt panoramowania, aby obiektyw skierowany był w stronę monitorowania.
3. Ustawić kąt poziomy, tak aby obraz nie był odwrócony.
4. Ustaw kąt pochylenia, tak aby kamera była ustawiona w kierunku monitorowanego obiektu.

WKŁADANIE/WYJMOWANIE KARTY PAMIĘCI MICRO SD

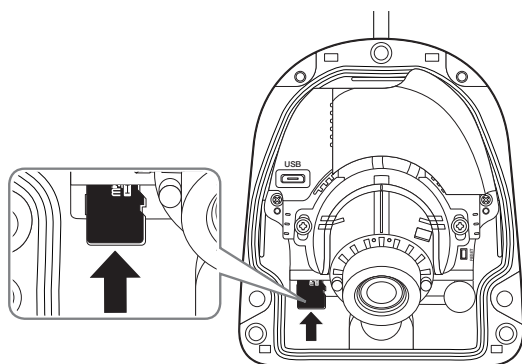
- ❗ ■ Przed włożeniem karty pamięci Micro SD odłącz kabel zasilania od kamery.
- Nie wkładaj na siłę karty pamięci Micro SD, jeśli jest ona ustawiona odwrotnie. Mogłoby to ją uszkodzić.
- W przypadku deszczu lub wysokiej wilgotności wkładanie i wyjmowanie karty Micro SD nie jest zalecane.
- Pokrywa produktu powinna być zdemonstrowana w ciągu maksymalnie 5 minut. W przeciwnym razie wystąpi ryzyko skraplania się pary wodnej we wnętrzu urządzenia.

Wkładanie karty pamięci Micro SD

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



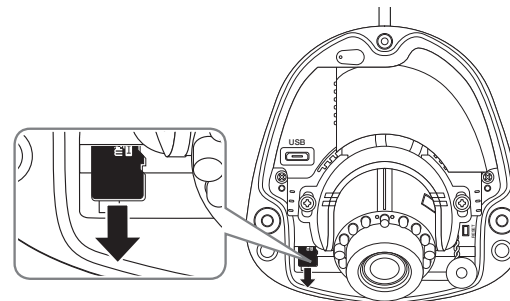
<XNV-6012/6012M/6022R/6022RM>



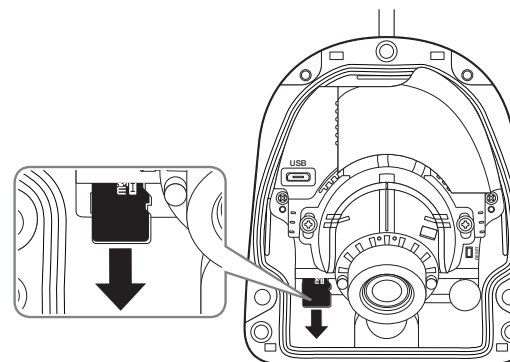
<XNV-6013M>

Wymowanie karty pamięci Micro SD

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



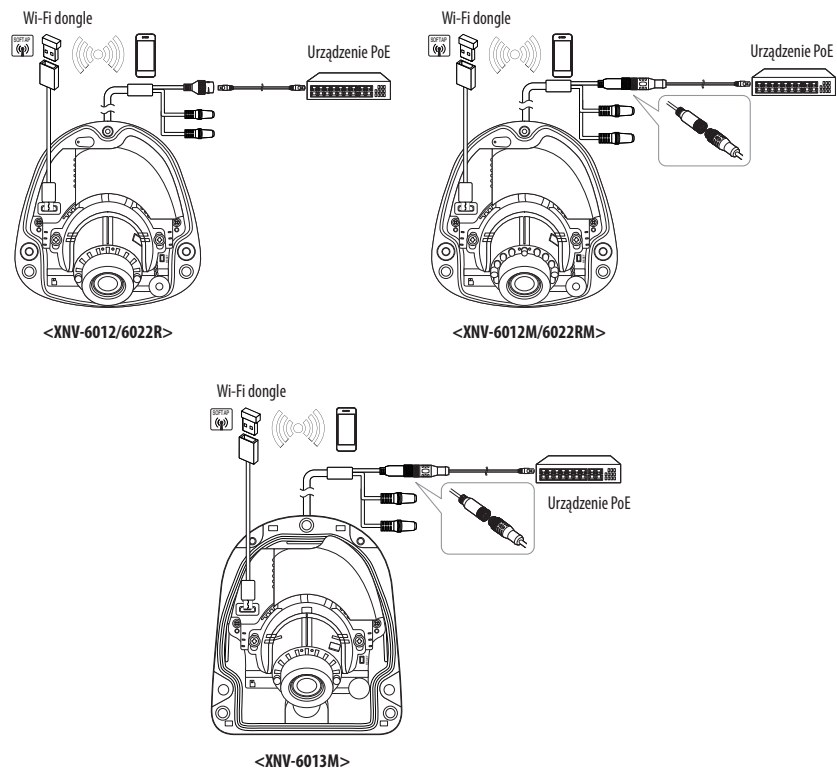
<XNV-6012/6012M/6022R/6022RM>



<XNV-6013M>

- ❗ ■ Zachowaj ostrożność, ponieważ silne naciśnięcie i zwolnienie karty Micro SD może spowodować jej wypadnięcie.
- Przed wyjęciem karty pamięci Micro SD w obszarze <Pamięć> dla urządzenia wybierz ustawienie <Wyl.>, naciśnij przycisk [Zastosuj] i wyłącz kamerę.
- W przypadku wyłączenia kamery lub wyjęcia karty pamięci Micro SD, która zawiera dane z produktu, dane te mogą ulec utracie lub zniszczeniu.

PODŁĄCZANIE INNEGO URZĄDZENIA



Łączenie z siecią Wi-Fi

Konfiguracja kamery

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

Ustawienia smartfonu

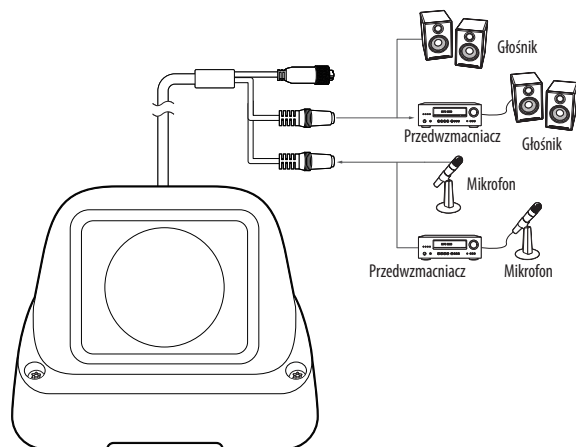
1. Zainstaluj aplikację instalacyjną Wisenet.
2. Po włączeniu sieci WiFi wybierz identyfikator SSID kamery.
3. Uruchom aplikację instalacyjną Wisenet.
4. Po zalogowaniu się do kamery nastąpi połączenie z obrazem wideo.
5. Można ustawiać kąt widzenia, obserwując wideo przez smartfon.

Zalecany producent klucza sprzętowego

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

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

Schemat blokowy wejść i wyjść audio (SNV-L6014RM)



1. Połącz port AUDIO IN kamery z mikrofonem lub port LINE OUT wzmacniacza, do którego podłączony jest mikrofon, z bezpośrednim złączem mikrofonu.

■ Ponieważ mikrofon jest wbudowany, to zamiast zewnętrznego mikrofonu można używać mikrofon wbudowany. (Dotyczy wyłącznie modeli XNV-6012 / 6012M / 6022R / 6022RM).

- W środowiskach, w których występują silne zakłócenia otoczenia, zalecamy użycie mikrofonu zewnętrznego.

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 (XNV-6012/6012M/6022R/6022RM)** : z możliwością wyboru (mikrofon/liniowe/wbudowany mikrofon), Obsługiwane napięcie: 2,5 VDC (4 mA), Impedancja wejściowa: 2 kΩ
- **Wejście audio (XNV-6013M)** : z możliwością wyboru (mikrofon/liniowe), Obsługiwane napięcie: 2,5 VDC (4 mA), Impedancja wejściowa: 2 kΩ
- **Wyjście audio** : Liniowe (typu Jack 3,5 mm, mono), Maksymalna moc wyjściowa: 1 Vms
- **Impedancja wyjścia liniowego** : 600omów

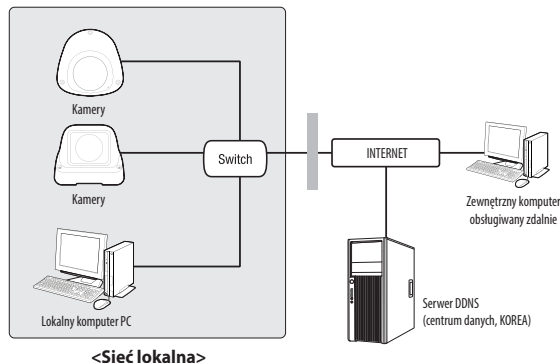
połączenie sieciowe i konfiguracja

Można skonfigurować ustawienia sieciowe zgodnie z charakterystyką sieci użytkownika.

PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO SIECI LOKALNEJ

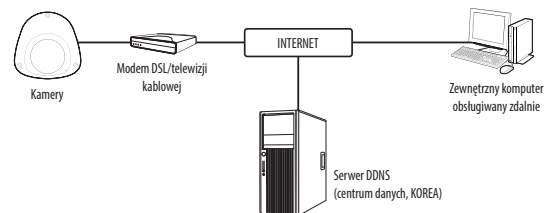
Podłączanie do kamery lokalnego komputera PC przyłączonego do sieci lokalnej

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 19)

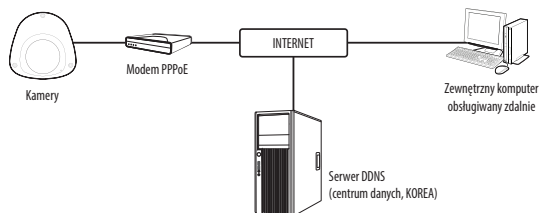
PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO MODEMU DSL/TELEWIZJI KABLOWEJ OPARTEGO NA PROTOKOLE DHCP



1. Połączenie użytkownika PC bezpośrednio z kamerą sieciową.
2. Uruchom program Device Manager i 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] 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

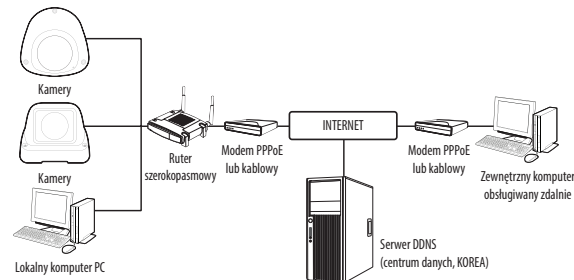


1. Połączenie użytkownika PC bezpośrednio z kamerą sieciową.
2. Uruchom program Device Manager i zmień adres IP kamery, aby móc korzystać z przeglądarki internetowej na pulpicie, aby połączyć się z internetem.
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6. Przejdź do [Basic] – [IP & Port] Ustaw 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.
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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 21)

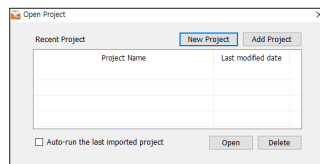
KORZYSTANIE Z PROGRAMU DEVICE MANAGER



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

KONFIGUROWANIE PROJEKTÓW

Dla każdego projektu można zapisywać i importować kamery. Aby utworzyć nowy projekt, należy ustawić jego nazwę i hasło. Aby uruchomić utworzony projekt, należy wprowadzić hasło.



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

KONFIGUROWANIE ADRESU IP

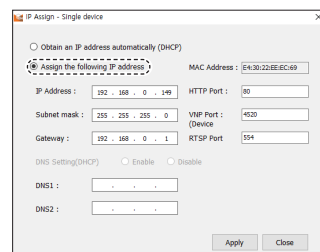
Jeśli chcesz zmienić ustawienia sieci kamery, znak <Login OK> musi być widoczny w <Status>. Kliknij <Credential> na stronie głównej, aby się zalogować.

Konfigurowanie statycznego IP

Ręcznie wstaw i skonfiguruj adres IP i informacje o porcie.

Podczas ustawiania jednej kamery

1. Kliknij kamerę z listy dla której chcesz zmienić ustawienia IP.
2. Kliknij <IP Assign> na stronie głównej programu Device Manager.
3. Wybierz <Assign the following IP address>.
 - Informacje IP kamery zostaną wyświetlone zgodnie z poprzednim ustawieniem.
4. Wypełnij kategorie związane z IP & Port.



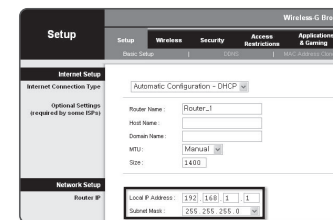
Jeżeli nie jest używany Ruter szerokopasmowy

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 [Apply].

6. Jeśli wyświetlona zostanie wiadomość o powodzeniu, kliknij [OK].

Podczas ustawiania wielu kamer

Model	MAC Address	IP(CAN)	IP(New)	Subnet(New)	Gateway(New)	DNS1(DNS)	DNS2(DNS)	HTTP	Device	RTSP	Result
WIN-A90...	E4:30:22:8E:EC:49	192.168.0.149						80	430	554	
QNP-C90...	E4:30:22:8F:29:DA	192.168.0.150						80	430	554	

1. Kliknij kamerę z listy dla której chcesz zmienić ustawienia IP.
2. Kliknij <IP Assign> na stronie głównej programu Device Manager.
3. Wybierz <Assign the following IP address>.
4. Wprowadź początkowy adres zakresu adresów IP, które mają zostać przypisane.
5. Kliknij przycisk [Simulate], aby sprawdzić adres IP, który ma zostać przypisany dla każdego urządzenia.
 - Adres można edytować, klikając dwukrotnie pozycję adresu IP.
6. Kliknij przycisk [Apply], aby rozpocząć przypisywanie IP.
7. Sprawdź pozycję <Result>, aby sprawdzić, czy przypisanie adresu IP powiodło się.

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

Podczas ustawiania jednej kamery

1. Kliknij kamerę z listy dla której chcesz zmienić ustawienia IP.
2. Kliknij <IP Assign> na stronie głównej programu Device Manager.
3. Wybierz <Obtain an IP address automatically (DHCP)>.
4. Kliknij przycisk [Apply].
5. Jeśli wyświetlona zostanie wiadomość o powodzeniu, kliknij [OK].

Model	MAC Address	IP(CAN)	IP(New)	Subnet(New)	Gateway(New)	DNS1(DNS)	DNS2(DNS)	HTTP	Device	RTSP	Result
WIN-A90...	E4:30:22:8E:EC:49	192.168.0.149						80	430	554	
QNP-C90...	E4:30:22:8F:29:DA	192.168.0.150						80	430	554	

Podczas ustawiania wielu kamer

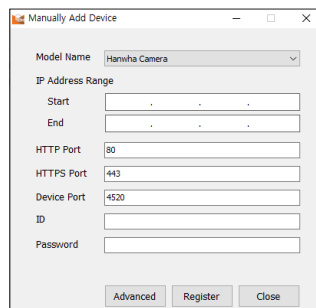
Model	MAC Address	IP(CAN)	IP(New)	Subnet(New)	Gateway(New)	DNS1(DNS)	DNS2(DNS)	HTTP	Device	RTSP	Result
WIN-A90...	E4:30:22:8E:EC:49	192.168.0.149						80	430	554	
QNP-C90...	E4:30:22:8F:29:DA	192.168.0.150						80	430	554	

1. Kliknij kamerę z listy dla której chcesz zmienić ustawienia IP.
2. Kliknij <IP Assign> na stronie głównej programu Device Manager.
3. Wybierz <Obtain an IP address automatically (DHCP)>.
4. Kliknij przycisk [Apply], aby rozpocząć przypisywanie IP.
5. Sprawdź pozycję <Result>, aby sprawdzić, czy przypisanie adresu IP powiodło się.

RĘCZNA REJESTRACJA KAMERY

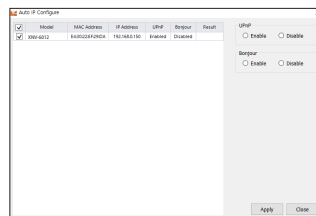
Jeśli nie można znaleźć kamery za pomocą funkcji wyszukiwania, kamerę można rejestrować zdalnie, ręcznie wprowadzając informacje o IP, jeśli kamera jest podłączona do sieci zewnętrznej.

1. Kliknij **<Add Devices>** – **<Manually Add Device>** na stronie głównej programu Device Manager.
2. Wstaw zakres szukanego adresu IP.
3. Wybierz **<Model Name>** zarejestrowanej kamery i wstaw port HTTP, port HTTPS, ID oraz hasło.
4. Kliknij przycisk **[Register]**.
5. Sprawdź, czy kamera jest zarejestrowana.
 - Sprawdź adres MAC na naklejce dołączonej do kamery.



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>**.
4. Aby użyć protokołu **<UPnP>** lub **<Bonjour>**, wybierz **<Enable>** i kliknij przycisk **[Apply]**.

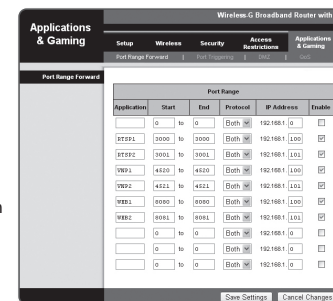


KONFIGUROWANIE PRZEKAZYWANIA ZAKRESU PORTÓW (MAPOWANIA PORTÓW)

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.

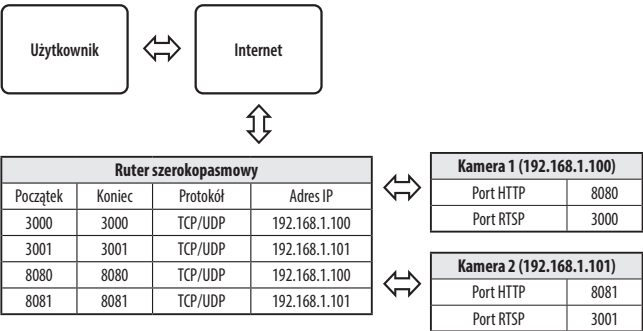


- Ustawienie przekierowania portu jest przykładem ustawienia routera IP CISCO.
- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego routera.

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. Wybierz żądany projekt, a następnie kliknij przycisk **[Open]**.
 3. Wprowadzenie hasła spowoduje wyświetlenie listy kamer w projekcie.
 4. 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

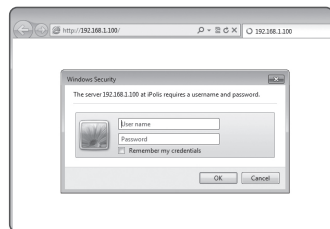
Na komputerze zdalnym, który nie znajduje się w klanstrze sieciowym routera szerokopasmowego, użytkownicy mogą uzyskać dostęp do kamer w sieci routera szerokopasmowego, używając DDNS URL kamery.

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.



■ Aby użyć protokołu UPnP lub Bonjour, patrz „Automatyczna konfiguracja IP”.

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).

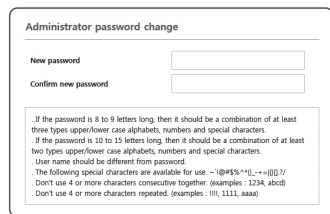
W takim przypadku użytkownik nie będzie informowany o zmianie adresu IP przez DDNS.

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.

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



Administrator password change

New password

Confirm new password

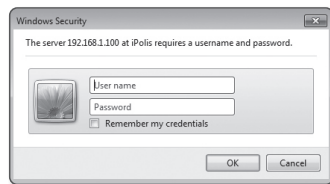
. If the password is 8 to 9 letters long, then it should be a combination of at least three types: upper/lower case alphabets, numbers and special characters.
. If the password is 10 to 15 letters long, then it should be a combination of at least two types: upper/lower case alphabets, numbers and special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

LOGOWANIE

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

1. Wpisz słowo "admin" w polu <User Name>. Wprowadź hasło w polu <Password>.
2. Kliknij przycisk [OK].
Jeżeli logowanie się powiodło, zostanie wyświetlony ekran aplikacji Live Viewer.

- Podczas korzystania z podglądu internetowego należy zwrócić uwagę na bezpieczeństwo i sprawdzić, czy obraz jest szyfrowany.
- Jeżeli zostanie zaznaczona opcja "Remember my credentials" po wprowadzeniu danych, przy kolejnym uruchomieniu nastąpi automatyczne logowanie bez potrzeby podawania danych logowania.
- Najlepszą jakość wideo można uzyskać przy ekranie o rozmiarze 100%. Zmniejszenie współczynnika może spowodować obcięcie krawędzi obrazu.



Windows Security

The server 192.168.1.100 at iPolis requires a username and password.

User name

Password

☐ Remember my credentials

OK Cancel

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

- **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.

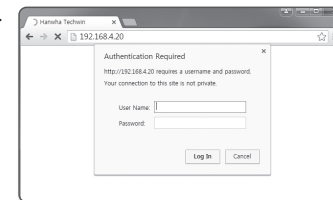
1. Podczas pierwszego wejścia na stronę monitoringu, wyświetlana jest strona instalacji. Aby rozpocząć instalację, kliknąć w **[Plugin]**.
 2. Kliknąć w **[Run]** na oknie dialogowym.
 3. Kliknąć **[Yes]** na oknie dialogowym zawierającym komunikat, że wszystkie okna przeglądarki zostaną zamknięte.
-  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_active w menu "Narzędzia → Dodatkowe Funkcje Zarządzania" jest "Aktywowana". Jeśli nie, a problem nadal występuje, wybrać "Narzędzia → Opcje Internetowe → Ogólne" i usunąć wszystkie wyszukane rekordy.
- Jeśli problem będzie występował nadal, zarejestruj adres IP lub domenę swojej kamery w menu "Narzędzia → Opcje internetowe → Zabezpieczenia → Zaufane witryny".

UŻYTKOWANIE BEZPŁATNEJ WTYCZKI PRZEGLĄDARKI

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

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



Ustawianie kamery

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

ROZWIĄZYWANIE PROBLEMÓW

PROBLEM	ROZWIĄZANIE
Jeśli użytkownik systemu Windows 10 uzyska dostęp do przeglądarki Web Viewer za pośrednictwem przeglądarki Chrome lub Firefox, ustawienie głośności mikrofonu zmienia się cyklicznie.	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 wyświetlił 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 obszarze <Basic> - <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: 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>.
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 podсети 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	
mtdev-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdev-utlis
mii-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
zeroconf	GPL 2.0	

LGPL SW

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

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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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Iperf performance test

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

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Na wszystkich etapach produkcji firma Hanwha Vision dba o środowisko naturalne i wykonuje wiele działań dążąc do dostarczenia klientom produktów niegroźnych dla środowiska. Oznaczenie „Eco” świadczy o tym, że firma Hanwha Vision wytwarza produkty nieszkodliwe dla środowiska oraz wskazuje, że niniejszy produkt spełnia wymagania przedstawione w dyrektywie RoHS obowiązującej w UE.



Prawidłowe usuwanie produktu (zużyty sprzęt elektryczny i elektroniczny)

To oznaczenie umieszczone na produkcie, akcesoriach lub dokumentacji oznacza, że po zakończeniu eksploatacji nie należy tego produktu ani jego akcesoriów (np. ładowarki, zestawu słuchawkowego, przewodu USB) wyrzucać wraz ze zwykłymi odpadami gospodarstwa domowego. Aby uniknąć szkodliwego wpływu na środowisko naturalne i zdrowie ludzi wskutek niekontrolowanego usuwania odpadów, prosimy o oddzielenie tych przedmiotów od odpadów innego typu oraz o odpowiedzialny recykling i praktykowanie ponownego wykorzystania materiałów.

W celu uzyskania informacji na temat miejsca i sposobu bezpiecznego dla środowiska recyklingu tych przedmiotów, użytkownicy w gospodarstwach domowych powinni skontaktować się z punktem sprzedaży detalicznej, w którym dokonali zakupu produktu, lub z organem władz lokalnych.

Użytkownicy w firmach powinni skontaktować się ze swoim dostawcą i sprawdzić warunki umowy zakupu. Produktu ani jego akcesoriów nie należy usuwać razem z innymi odpadami komercyjnymi.



Sposób poprawnego usuwania baterii, w które wyposażony jest niniejszy produkt

(Dotyczy obszaru Unii Europejskiej oraz innych krajów europejskich posiadających oddzielne systemy zwrotu zużytych baterii.)

Niniejsze oznaczenie na baterii, instrukcji obsługi lub opakowaniu oznacza, że po upływie okresu użytkowania baterie, w które wyposażony był dany produkt, nie mogą zostać usunięte wraz z innymi odpadami pochodzącymi z gospodarstw domowych. Przy zastosowaniu takiego oznaczenia symbole chemiczne (Hg, Cd lub Pb) wskazują, że dana bateria zawiera rtęć, kadm lub ołów w ilości przewyższającej poziomy odniesienia opisane w dyrektywie WE 2006/66. Jeśli baterie nie zostaną poprawnie zutytylizowane, 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.

