

**WISENET**

# **KAMERA SIECIOWA**

Instrukcja obsługi

QNF-8010

QNF-9010



# Kamera Sieciowa

## Instrukcja obsługi

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### Prawa autorskie

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### Znaki towarowe

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

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

## WAŻNE ZALECENIA DOTYCZĄCE BEZPIECZEŃSTWA

- Należy przeczytać poniższe zalecenia.
- Należy zachować je do wglądu.
- Należy przeczytać wszystkie ostrzeżenia.
- Należy przestrzegać wszystkich zaleceń.
- Nie używać urządzenia w pobliżu wody.
- Zabrudzoną powierzchnię produktu wyczyść miękką, suchą szmatką lub wilgotną szmatką. (Nie używaj żadnych detergentów ani produktów kosmetycznych zawierających alkohol, rozpuszczalniki, surfaktanty lub substancje oleiste, ponieważ mogą one spowodować odkształcenie lub uszkodzenie produktu).
- Nie blokować żadnych otworów wentylacyjnych. Montować zgodnie z instrukcją producenta.
- Nie montować w pobliżu źródeł ciepła takich jak grzejniki, kratki nagrzewnic lub innych urządzeń (w tym wzmacniaczy) emitujących ciepło.
- Nie lekceważyc zabezpieczenia wynikającego ze stosowania wtyczek spolaryzowanych lub z uziemieniem. Wtyczka spolaryzowana ma dwa bolce, z których jeden jest szerszy od drugiego. Wtyczka z uziemieniem ma trzy bolce, z czego jeden jest uziemiający. Szerszy lub odpowiednio trzeci bolec stosuje się w celu zapewnienia bezpieczeństwa. Jeśli dostarczona wtyczka nie pasuje do gniazda, skontaktuj się z elektrykiem w celu wymiany przestarzałego gniazda.
- Przewód zasilający przy wtyczkach, oprawach oraz w miejscach, gdzie wystają one z urządzenia należy zabezpieczyć przed możliwością nadeptnięcia lub przyciśnięcia.
- Używać wyłącznie elementów dodatkowych/akcesoriów zalecanych przez producenta.
- Kamery należy używać tylko z wózkiem, podstawą, statywem, uchwytem lub stołem zalecanym przez producenta lub sprzedawanym z kamerą. W przypadku użycia wózka podczas przemieszczania zestawu wózek-urządzenie należy zachować ostrożność, aby uniknąć obrażeń spowodowanych jego wywróceniem.
- W czasie burzy z wyładowaniami atmosferycznymi lub w przypadku nieużywania urządzenia przez dłuższy czas należy odłączyć urządzenie od zasilania.
- Wszelkie naprawy należy zlecać wykwalifikowanemu personelowi serwisu. Naprawy są konieczne gdy urządzenie zostało uszkodzone w jakikolwiek sposób, np. gdy uszkodzony jest przewód zasilający lub wtyczka, do środka urządzenia przedostał się płyn lub ciała obce, urządzenie miało kontakt z deszczem lub wilgocią, nie funkcjonuje normalnie lub spada.
- Ten produkt przeznaczony jest do zasilania przez zatwierdzony zasilacz oznaczony symbolem „Klasa 2” lub „LPS” o mocy PoE (48 V), 0,14 A. (QNF-8010)
- Ten produkt przeznaczony jest do zasilania przez zatwierdzony zasilacz oznaczony symbolem „Klasa 2” lub „LPS” o mocy PoE (48 V), 0,17 A. (QNF-9010)
- Ten produkt jest przeznaczony do zasilania przez izolację.
- Użycie zbyt dużej siły podczas instalacji produktu może doprowadzić do uszkodzenia i nieprawidłowego działania kamery. Instalacja produktu przy użyciu siły i nieodpowiednich narzędzi może doprowadzić do jego uszkodzenia.
- Produktu nie należy instalować w miejscu, w którym mogą występować lub powstawać substancje chemiczne lub mgły olejowe. Oleje jadalne, takie jak olej sojowy, mogą uszkodzić lub odkształcić produkt, w związku z czym nie należy instalować go w kuchni lub w pobliżu blatu kuchennego. W przeciwnym razie produkt może ulec uszkodzeniu.
- Podczas instalacji produktu należy uważać, aby jego powierzchnia nie została zabrudzona substancjami chemicznymi. Niektóre substancje chemiczne zawierające rozpuszczalniki lub kleje mogą powodować poważne uszkodzenie powierzchni produktu.



- W przypadku instalacji lub demontażu produktu w sposób inny niż zalecany nie można zagwarantować prawidłowego działania funkcji i wydajności produktu. Zainstaluj produkt, zapoznając się z rozdziałem „instalacja i podłączanie” w podręczniku użytkownika.
- Instalacja lub eksploatacja produktu w wodzie może doprowadzić do jego poważnego uszkodzenia.

## OSTRZEŻENIE

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

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

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

## UWAGA

	<b>UWAGA</b> NIEBEZPIECZEŃSTWO PORAŻENIA PRĄDEM. NIE OTWIERAĆ	
<b>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.</b>		

## 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.

## Odlączenie urządzenia

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

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

## UWAGA

Istnieje ryzyko eksplozji, jeśli użyto baterii niewłaściwego typu.

Zużyte baterie utylizować zgodnie z zaleceniami.

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

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

Terminal VIDEO 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.

Nie gwarantujemy jakości produktów innych firm (np. soczewek, akcesoriów), które kupowane są osobno.

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

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## ZAŁECANE SPECYFIKACJE KOMPUTERA PC

- Procesor: Intel(R) Core(TM) i7 3.4 GHz lub wyższy
  - Pamięć RAM: 8 GB lub wyższy
  - Obsługiwany system operacyjny: Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14
  - Zalecana przeglądarka: Google Chrome
  - Obsługiwane przeglądarki: MS Explorer 11, MS Edge, Mozilla Firefox (tylko 64-bitowa wersja systemu Windows), Apple Safari (tylko system Mac OS X)
  - VGA: Karta graficzna PCIe 256 MB GDDR3 lub lepsza
- ※ Niektóre funkcje mogą być ograniczone nawet w obsługiwanych przeglądarkach.

## SPECYFIKACJA ZAŁECANYCH KART PAMIĘCI MICRO SD/SDHC/SDXC

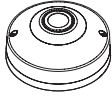


- Zalecana pojemność: Zalecana pojemność: od 16 do 256 GB (typ MLC)
- Zaleceni producenci: SanDisk, Transcend
- Rodzaj produktu: Wysoka wytrzymałość
- Zgodność zależy od producentów i typów kart.

## SPECYFIKACJA ZAŁECANA PRZEZ NAS

- Zalecana pojemność: Zalecane jest 200GB lub więcej.
- Dla tej kamery zalecane jest wykorzystanie NAS z następującą specyfikacją fabryczną.  
Zalecane produkty: QNAP NAS, Synology NAS

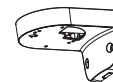
## CO ZNAJDUJE SIĘ W OPAKOWANIU

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

Wygląd	Nazwa elementu	Liczba	Opis
	Kamera	1	
	Skrócona instrukcja obsługi (Opcjonalny)	1	
	Przewód monitora sprawdzającego	1	Służy do sprawdzania kamery poprzez podłączenie do przenośnego wyświetlacza
	Szablon	1	Instrukcja montażu urządzenia
	Klucz imbusowy	1	Aby zdjąć lub zamocować górną pokrywę

### Opcjonalne akcesoria montażowe

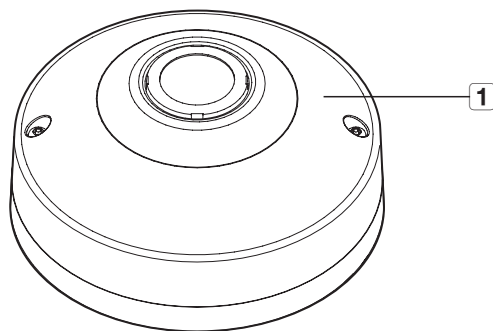
W celu ułatwienia montażu można zakupić odpowiednie akcesoria opcjonalne.



Nazwa modelu	Montaż na ścianie
QNF-8010, QNF-9010	SBP-120MMW

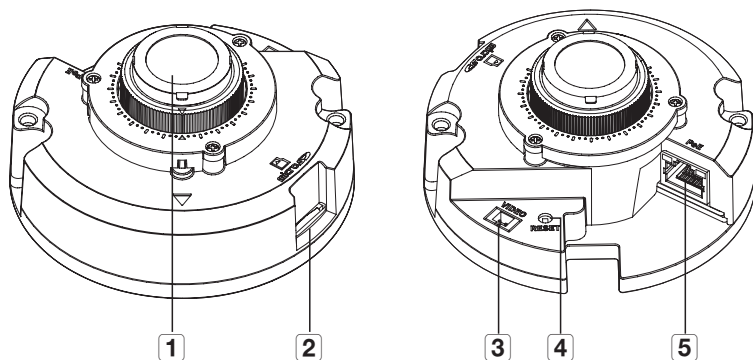
## SPOJRZENIE NA KAMERĘ

### Wygląd

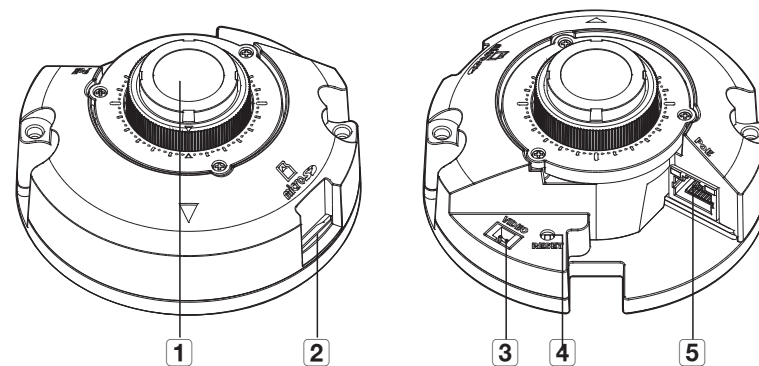


Element	Opis
<b>1</b> Pokrywa	Ochrona chroniąca obiektyw i urządzenie główne.

### Wewnątrz (QNF-8010)



### (QNF-9010)



Element	Opis
<b>1</b> Obiektyw rybie oko	Obiektyw ma szerokość kątową 360° i może nagrywać panoramiczne video.
<b>2</b> Komora karty pamięci Micro SD	Komora na kartę pamięci Micro SD.
<b>3</b> Wideo wyjście	Port wyjścia służący do testowego monitoringu wyjścia wideo. Przy użyciu przewodu testowego monitora podłącz do przenośnego wyświetlacza i sprawdź testowy obraz wideo.
<b>4</b> Przycisk Reset	Ten przycisk przywraca wszystkie ustawienia kamery do wartości domyślnych. Naciśnij i przytrzymaj przez około 5 sekund, aby uruchomić system ponownie. <b>!</b> 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.
<b>5</b> Złącze PoE	Łączy z siecią i zapewnia zasilanie poprzez kabel Ethernet.

## INSTALACJA

### Środki ostrożności przed montażem

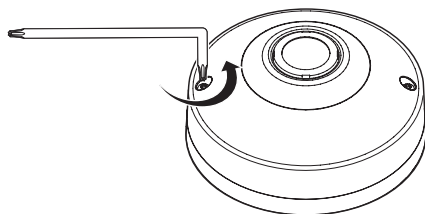
Przed przystąpieniem do montażu kamery należy przeczytać poniższe instrukcje:

- 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.

### Demontaż

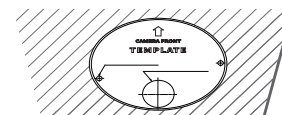
1. Zdejmij folię ochronną z obiektywu.
2. Za pomocą dostarczonego klucza L poluzować 2 śruby (w lewo) i zdjąć pokrywę.
  - Nie ma potrzeby całkowitego odkręcania śrub.

-  ▪ Po zdjęciu folii ochronnej nie dotykaj obiektywu.

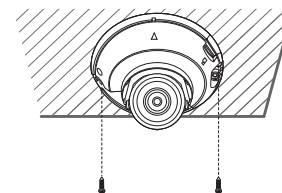


### Montaż kamery na suficie lub ścianie

1. Uwzględnij kierunek monitorowania, przyłóż szablon na przy jego użyciu wywierć otwory.
  - Ustawić kamerę tak aby oznaczenie <img alt="arrow icon"/> > było skierowane w stronę monitorowanego obszaru.

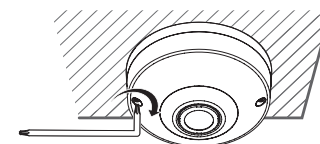
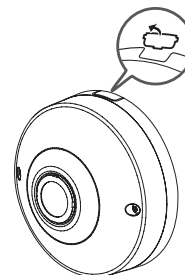
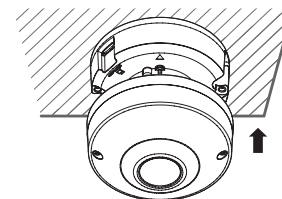


2. Przymocuj kamerę w 2 miejscach wywierconych z użyciem szablonu za pomocą 2 wkrętów samogwintujących.
3. Podłączyć kamerę do terminala wewnętrznego za pomocą odpowiedniego kabla.
4. Ustaw żądany kierunek obiektywu zgodnie ze wskazówkami zawartymi w rozdziale "**Regulacja kierunku monitorowania kamery**". (Strona 9)



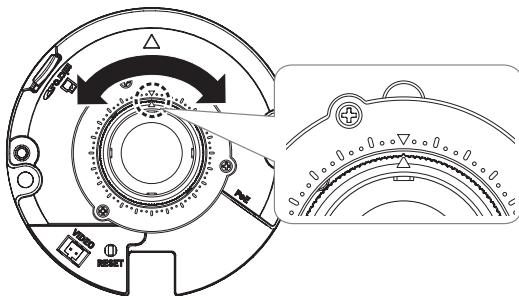
5. Zamknąć pokrywę górną i dokręcić w prawo za pomocą klucza L.

-  ▪ W razie potrzeby użyj jej po zdjęciu osłony otworu na drut z boku górnej części osłony.





## Regulacja kierunku monitorowania kamery



### Ustawianie kierunku monitorowania

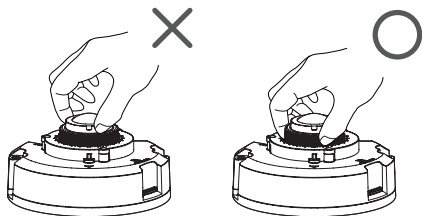
Kierunek kamery można wyregulować dopiero, gdy kamera jest zamocowana na suficie. Gdzie obracanie obiektywu wokół własnej osi nazywa się obrotem.

- Efektywny zakres obrotu wynosi łącznie  $\pm 180$  stopni.

### Metody regulacji

Aby dostosować kierunek kamery, chwyć uchwyt obiektywu i obróć go, patrząc na ekran kierunku.

- ! Aby zmienić kierunek monitorowania kamery, chwyć uchwyt obiektywu i obróć go. Jeśli złapiesz obiektyw w celu regulacji kierunku, ostrość może być wyłączona lub na powierzchni mogą pozostać odciski palców.

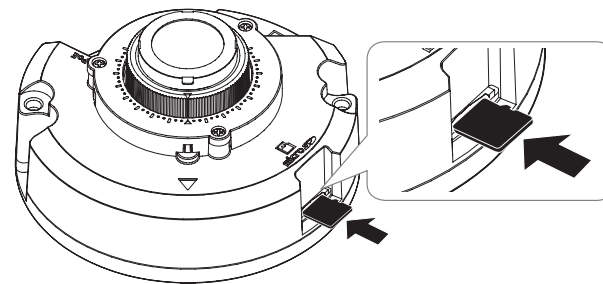


## WKŁADANIE/WYJMOWANIE KARTY PAMIĘCI MICRO SD

- !
  - 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.

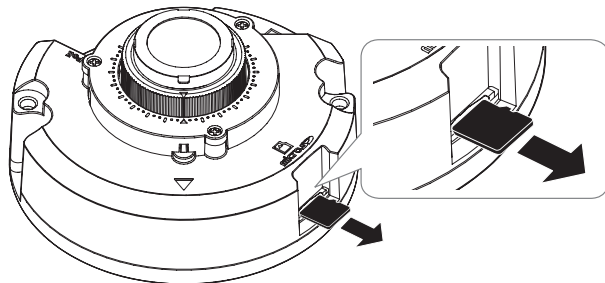
### Wkładanie karty pamięci Micro SD

- Zdejmij górną pokrywę kamery.
- Umieść kartę Micro SD w kierunku wskazywanym przez strzałkę na rysunku.



## Wymowowanie karty pamięci Micro SD

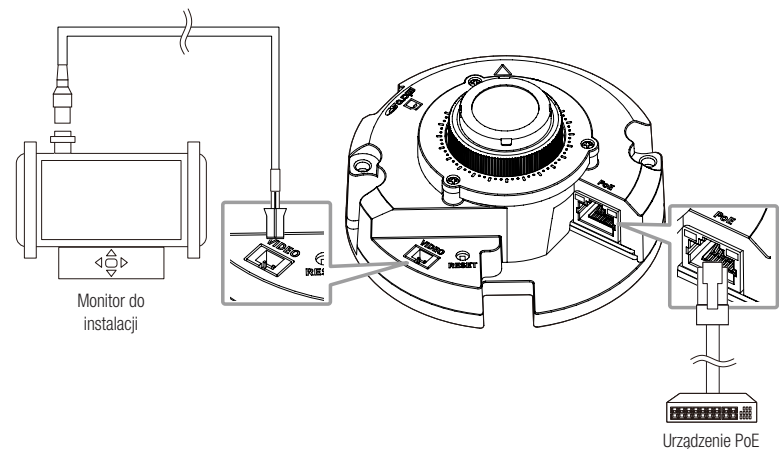
Aby wysunąć kartę pamięci z gniazda, delikatnie naciśnij wystającą jej część tak, jak to jest widoczne na schemacie.



- ! ■ Przed wyjęciem karty pamięci Micro SD w obszarze <Pamięć> dla urządzenia wybierz ustawienie <Wyt.>, 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.

## ZASILANIE I PRACA W SIECI

Podłącz urządzenie PoE do złącza PoE kamery.



- ! ■ Terminal VIDEO służy łatwiejszej instalacji oraz nie jest zalecany dla celów monitoringu.
- Podłącz urządzenie do złącza PoE (Power over Ethernet) routera obsługującego funkcję PoE.
- Użyj urządzenia PoE (Power over Ethernet) zgodnego z protokołami IEEE802.3af.

### Specyfikacja kabla sieciowego

Przedmiot	Zawartość	Uwagi
Łącze	RJ45 (10/100BASE-T)	
Ethernet	10/100BASE-T	
Kabel	Kategoria 5e	
Odległość maks.	100M	Rezystancja prądu stałego $\leq 0,125 \Omega/m$
Obsługa PoE	IEEE 802.3af	

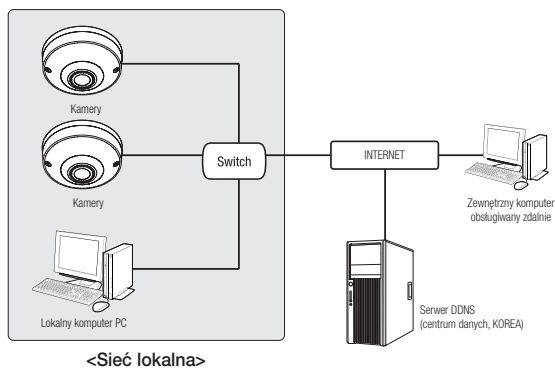
- ☑ ■ 100-metrowa odległość transmisji nie jest gwarantowana w przypadku używania kabli innych niż zgodne ze standardem kategorii 5e.

Można skonfigurować ustawienia sieciowe zgodnie z charakterystyką sieci użytkownika.

## PODŁĄCZANIE KAMERY BEZPOŚREDNIO DO SIECI LOKALNEJ

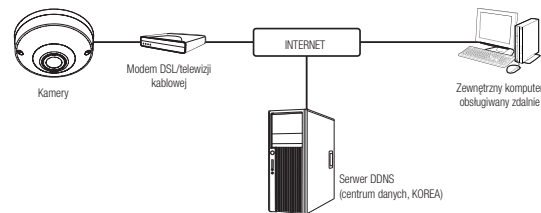
### Podłączanie do kamery lokalnego komputera PC przyłączonego do sieci lokalnej

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 12)

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



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

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

## KORZYSTANIE Z PROGRAMU DEVICE MANAGER

- Program Device Manager można pobrać z menu <Technical Guides> – <Online Tool> w witrynie Hanwha Techwin (<http://www.hanwha-security.com>).
- Więcej instrukcji programu Device Manager można znaleźć w menu <Pomoc> na stronie głównej.

## AUTOMATYCZNE WYSZUKIWANIE KAMERY

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

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

## KONFIGUROWANIE ADRESU IP

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

### Konfigurowanie statycznego IP

Ręcznie wstaw i skonfiguruj adres IP i informacje o porcie.

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

### Jeżeli nie jest używany Ruter szerokopasmowy

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

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

### Jeżeli używany jest Ruter szerokopasmowy

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

- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego rutera.
- Aby uzyskać więcej informacji na temat przekierowywania portu rutera szerokopasmowego, patrz część "Konfigurowanie Przekazywania Zakresu Portów (Mapowania Portów)", (Strona 14)

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

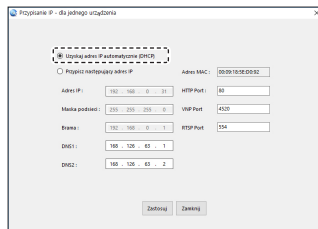
- Kliknij przycisk [Zastosuj].
- Jeśli wyświetlona zostanie wiadomość o powodzeniu, kliknij [OK].

## Konfigurowanie dynamicznego IP

Odbierz adres IP z DHCP.

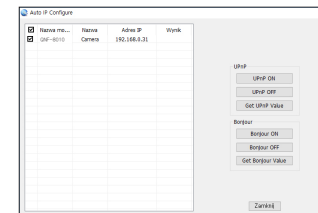
- Przykład środowiska dynamicznego IP
  - Jeżeli do Ruter szerokopasmowy IP z podłączonymi kamerami zostanie przypisany adres IP przez serwer DHCP
  - Jeżeli kamera zostanie podłączona bezpośrednio do xDSL lub modemu kablowego za pomocą protokołów DHCP
  - Jeżeli adresy IP są przypisywane przez wewnętrzny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

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



## AUTOMATYCZNA KONFIGURACJA IP

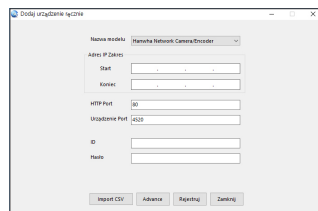
1. Kliknij kamerę z listy dla której chcesz automatycznie skonfigurować IP.
2. Kliknij **< + >** na głównej stronie programu Device Manager.
  - Pojawi się menu ustawień sprzętu.
3. W menu kliknij **<Auto IP Configure (Auto konfiguracja IP)>**.
4. Kliknij przycisk **[Zamknij]**.



## RĘCZNA REJESTRACJA KAMERY

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

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

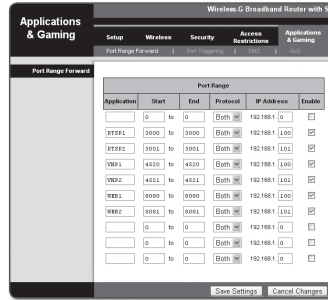


## KONFIGUROWANIE PRZEKAZYWANIA ZAKRESU PORTÓW (MAPOWANIA PORTÓW)

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

### Ręczne przekazywanie zakresu portów

1. Z menu Konfiguracja Ruter szerokopasmowy, wybierz opcję <Applications & Gaming> - <Port Range Forward>. W celu ustawienia przekazywania zakresu portów dla rutera innego producenta należy zapoznać się z instrukcją obsługi tego Ruter szerokopasmowy.
2. Wybierz opcję <TCP> oraz <UDP Port> dla każdej kamery podłączonej do Ruter szerokopasmowy. Numer każdego portu, który ma zostać skonfigurowany do routera IP, należy ustawić zgodnie z numerem portu określonym w menu <Ustawienia> - <Basic> - <IP & Port> w przeglądarce Web Viewer kamery.
3. Po zakończeniu kliknij opcję [Save Settings]. Ustawienia zostaną zapisane.

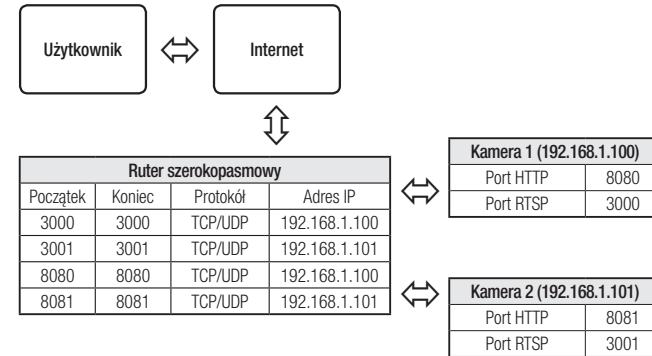


- Ustawienie przekierowania portu jest przykładem ustawienia routera IP CISCO.
- Ustawienia mogą być różne, w zależności od Ruter szerokopasmowy. Aby uzyskać więcej informacji, patrz instrukcja obsługi odpowiedniego routera.

### Konfigurowanie opcji Przekazywanie zakresu portów dla kilku kamer sieciowych

- Użytkownik może ustawić przekierowanie portu na Ruter szerokopasmowy na stronie internetowej konfiguracji.
- Użytkownik może zmienić każdy port za pomocą ekranu ustawień kamery.

W przypadku 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 <Wisenet DDNS> w "Ustawieniach -> Sieć -> DDNS".

## PODŁĄCZANIE DO KAMERY ZA POMOCĄ UDOSTĘPNIONEGO LOKALNEGO KOMPUTERA

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1. Uruchom program Device Manager.  
Aplikacja wyszuka podłączone kamery i wyświetli je w postaci listy.
2. Kliknij dwukrotnie kamerę, aby uzyskać do niej dostęp.  
Zostanie uruchomiona przeglądarka internetowa i nastąpi połączenie z kamerą.



- Do kamery można przejść także wpisując adres IP znalezionej kamery w pasku adresu przeglądarki internetowej.

## PODŁĄCZANIE DO KAMERY ZE ZDALNEGO KOMPUTERA PRZEZ INTERNET

---

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

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

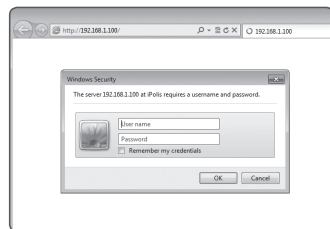


- Aby korzystać z Wisenet DDNS, zarejestruj się na stronie głównej Wisenet DDNS (<http://ddns.hanwha-security.com>) i zarejestruj produkt w **[Moje DDNS]> [Zarejestruj Produkt]**.

## PODŁĄCZANIE DO KAMERY

### Zazwyczaj należy postępować w następujący sposób

1. Uruchom przeglądarkę internetową.
2. Wpisz adres IP kamery w pasku adresu.  
np. • Adres IP (IPv4) : 192.168.1.100 →  
http://192.168.1.100  
- powinno zostać wyświetlone okno dialogowe.  
• Adres IP (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111  
→ http://[2001:230:abcd:ffff:0000:0000:ffff:1111] - powinno  
zostać wyświetlone okno dialogowe.



### Jeśli port http jest inny niż 80

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

### Za pomocą URL

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



- Połączenie sieciowe jest wyłączone w środowisku ograniczonym do LAN.

### Połączenie przez UPnP

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

### Połączenie przez Bonjour

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

### Sprawdzanie adresu DDNS

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

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

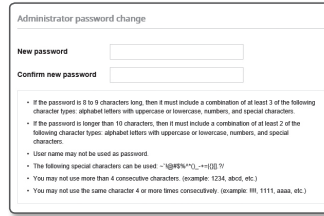
Po zarejestrowaniu urządzenia z dynamicznym adresem IP w serwerze DDNS można bezpiecznie sprawdzić zmieniony adres IP podczas uzyskiwania dostępu do urządzenia. Aby zarejestrować urządzenie na serwerze <DDNS>, najpierw wejdź na stronę <http://ddns.hanwha-security.com> i zarejestruj urządzenie, a następnie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



## USTAWIENIA HASŁA

Pierwsze użycie produktu wiąże się z koniecznością rejestracji loginu i hasła.

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



Administrator password change

New password

Confirm new password

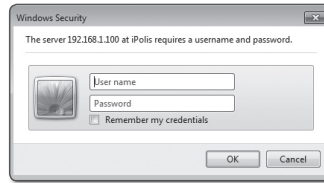
- If the password is 8 to 9 characters long, then it must include a combination of at least 3 of the following character types: alphabet letters with uppercase or lowercase, numbers, and special characters.
- If the password is longer than 10 characters, then it must include a combination of at least 2 of the following character types: alphabet letters with uppercase or lowercase, numbers, and special characters.
- User name may not be used as password.
- The following special characters can be used: ~!@#%&\*()\_+=~'[];./?
- You may not use more than 4 consecutive characters. (example: 1234, abcd, etc.)
- You may not use the same character 4 or more times consecutively. (example: III, 1111, aaab, etc.)

## LOGOWANIE

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

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

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



Windows Security

The server 192.168.1.100 at iPolis requires a username and password.

User name

Password

Remember my credentials

OK Cancel

## USTAWIANIE PRZEGLĄDARKI INTERNETOWEJ KAMERY

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

## DANE TECHNICZNE

Elementy		Opis
		QNF-8010
Wideo	Urządzenie obrazujące	1/1.8" 6M CMOS
	Efektowna liczba pikseli	2048(Poziomo) x 2048(Pionowo)
	Min. oświetlenie	Color : 0,2 luksa (F2.5, 1/30 s)
	Wyjście wideo	CVBS : 1.0 Vp-p / 75Ω Zespolony sygnał, 720x480(N), 720x576(P) do instalacji
Obiektyw	Odległość ogniskowa (współczynnik zoomu)	stała ogniskowa 1,14 mm
	Maks. otwór przesłony	F2.5
	Kąt pola widzenia	Poziomo: 187° / Pionowo: 187° / Głębina: 187°
	Min. odległość obiektu	0,3m
Informacje dotyczące obsługi	Tytuł kamery	wyświetlane do 85 znaków
	Dzień i noc	Auto (Elektryczny)
	Kompensacja podświetlenia	BLC, HLC, WDR, SDR
	Funkcja szerokiego zakresu dynamiki	120dB
	Redukcja szumów cyfrowych	SSNR V
	Wykrywanie ruchu	8ea, strefy wielokątne
	Maska prywatności	6ea, strefy prostokątne - Kolor: szary / zielony / czerwony / niebieski / czarny / biały - Mozaika
	Regulacja wzmocnienia	Niskie / Środkowy / Wysokie
	Balans bieli	ATW / AWC / Ręczne / Wewnątrz / Na zewnątrz
	Prędkość elektronicznej migawki	Minimum / Maximum / anty-migotanie (2–1/12 000 s)
	Cyfrowy PTZ	Obsługa (Presety, Grupa)
	Rotacja wideo	Odwrót, Odbicie
	Analizy	Wykrywanie rozmycia obrazu, wykrywanie ruchu, sabotaż

Elementy		Opis
		QNF-8010
Informacje dotyczące obsługi	Inteligencja biznesowa	Liczenie ludzi, mapa termiczna
	Funkcje aktywujące alarm	Analizy, odłączenie sieci
	Zdarzenia alarmu	<ul style="list-style-type: none"> <li>Ładowanie pliku przez FTP, pocztę E-Mail</li> <li>Powiadamianie pocztą elektroniczną</li> <li>Nagrywanie przy wyzwalaczach zdarzeń na SD/SDHC/SDXC lub NAS</li> </ul>
Sieć	Ethernet	RJ-45 (10/100BASE-T)
	Kompresja wideo	H.265/H.264: Główna/Bazowa/Wysoka, MJPEG
	Rozdzielczość	Widok oryginalny : 2048x2048, 1280x1280, 1080x1080, 960x960, 768x768, 720x720, 640x640, 480x480 Panorama pojedyncza : 2048x512, 1920x480, 1280x320, 640x160, 704x176 Panorama podwójna : 2048x1024, 1920x960, 1280x640, 640x320, 704x352 Widok quad : 2048x1536, 1600x1200, 1280x960, 1024x768, 800x600, 640x480, 704x576 Q1/2/3/4 : 1024x768, 800x600, 640x480
	Maks. prędkość odświeżania	H.264/H.265: 30 fps/25 fps@2048x2048 (60Hz/50Hz) MJPEG : Maks. 15 kl/s
	Kodek Smart Codec	WiseStream II
	Regulacja jakości wideo	H.264/H.265 : Sterowanie poziomem docelowej szybkości transmisji MJPEG : Kontrola poziomu jakości
	Sterowanie szybkością transmisji	H.264/H.265 : CBR lub VBR MJPEG : VBR
	Streaming	Wiele kodeków (do 3 profili)

Elementy	Opis	
	QNF-8010	
Sieć	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
	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 gniazda Micro SD/SDHC/SDXC 256GB
	API (Application Programming Interface)	ONVIF Profile S/G SUNAPI(HTTP API) Otwarta platforma Wisenet
	Język strony internetowej	Angielski, Francuski, Niemiecki, Hiszpański, Włoski, Chiński, Koreański, Rosyjski, Japoński, Szwedzki, Portugalski, Czeski, Polski, Turecki, Holenderski, Węgierski, Grecki
	Przeglądarka internetowa	Obsługiwany system operacyjny: Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Zalecana przeglądarka: Google Chrome Obsługiwane przeglądarki: MS Explorer11, MS Edge, Mozilla Firefox (Obsługiwana wyłącznie w systemie Window 64bit), Apple Safari (Obsługiwana wyłącznie w systemie Mac OS X)
	Pamięć	1024 MB RAM, 256 MB Flash

Elementy	Opis	
	QNF-8010	
Dane użytkowe	Temperatura robocza / Wilgotność	-10°C ~ +55°C (+14°F ~ +131°F) / Wilgotność względna (RH) poniżej 90%
	Temperatura przechowywania / Wilgotność	-50°C ~ +60°C (-58°F ~ +140°F) / Wilgotność względna (RH) poniżej 90%
	Certyfikat	IP42
Dane dotyczące zasilania	Napięcie wejściowy	PoE(IEEE802.3af, klasa3)
	Pobór Mocy	PoE: Maks 6,4 W, typowo 4,6 W
Dane zewnętrzne	Kolor/Materiał	Biały/plastik
	Kod RAL	RAL9003
	Wymiary/waga produktu	Ø99 x 49 mm(Ø3,9 x 1,93"), 320 g (0,705 funta)

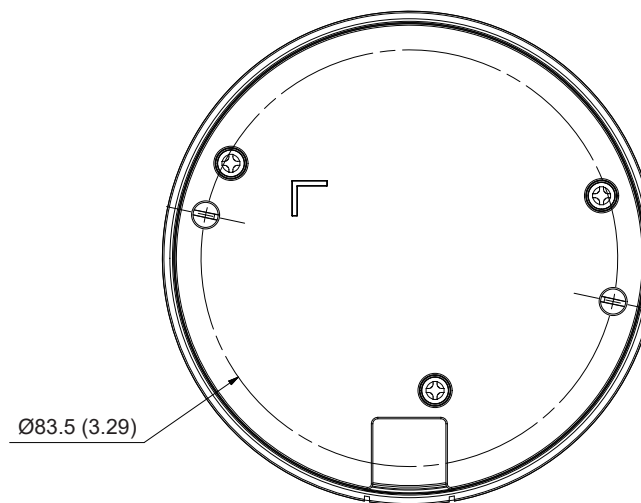
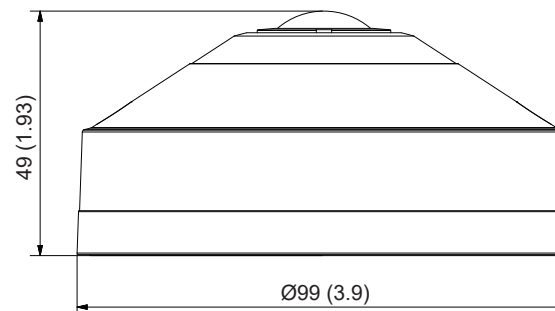
Elementy	Opis	
	QNF-9010	
Wideo	Urządzenie obrazujące	1/2.3" 12M CMOS
	Efektywna liczba pikseli	3008(Poziomo) x 3008(Pionowo)
	Min. oświetlenie	Kolor : 0,39 luksa (F2.2, 1/30 s)
	Wyjście wideo	CVBS : 1,0 Vp-p / 75Ω Zespolony sygnał, 720x480(N), 720x576(P) do instalacji
Obiektyw	Odległość ogniskowa (współczynnik zoomu)	stała ogniskowa 1,08 mm
	Maks. otwór przesłony	F2.2
	Kąt pola widzenia	Poziomo: 187° / Pionowo: 187° / Głębina: 187°
	Min. odległość obiektu	0,5 m(1.64 ft)
Informacje dotyczące obsługi	Tytuł kamery	wyświetlane do 85 znaków
	Dzień i noc	Auto (Elektryczny)
	Kompensacja podświetlenia	BLC, WDR, SDR
	Funkcja szerokiego zakresu dynamiki	120dB
	Redukcja szumów cyfrowych	SSNR V
	Wykrywanie ruchu	4ea, strefy wielokątne
	Maska prywatności	6ea, strefy prostokątne - Kolor: szary / zielony / czerwony / niebieski / czarny / biały
	Regulacja wzmocnienia	Niskie / Środkowy / Wysokie
	Balans bieli	ATW / AWC / Ręczne / Wewnątrz / Na zewnątrz
	Prędkość elektronicznej migawki	Minimum / Maximum / anty-migotanie (2-1/12 000 s)
	Cyfrowy PTZ	Obsługa (Presety, Grupa)
	Rotacja wideo	Odwrót, Odbicie
	Analizy	Wykrywanie rozmycia obrazu, wykrywanie ruchu, sabotaż
	Inteligencja biznesowa	Liczenie ludzi, mapa termiczna
	Funkcje aktywujące alarm	Analizy, odłączenie sieci
	Zdarzenia alarmu	<ul style="list-style-type: none"> <li>Ładowanie pliku przez FTP, pocztę E-Mail</li> <li>Powiadomienie pocztą elektroniczną</li> <li>Nagrywanie przy wyzwalaczach zdarzeń na SD/SDHC/SDXC lub NAS</li> </ul>

Elementy	Opis	
	QNF-9010	
Sieć	Ethernet	RJ-45 (10/100BASE-T)
	Kompresja wideo	H.265/H.264: Główna/Wysoka, MJPEG
	Rozdzielczość	Widok oryginalny: 3008x3008, 640x640 Panorama podwójna: 2560x1280, 1920x960, 1280x640, 1024x512, 640x320 Panorama pojedyncza: 3200x800, 2560x640, 1920x480, 1280x320, 1024x256 Widok quad : 2560x1920, 1920x1440, 1280x960, 1024x768, 640x480
	Maks. prędkość odświeżania	H.265/H.264: Widok oryginalny-maks. 30 fps/25 fps@3008x3008 (60 Hz/50 Hz), panorama podwójna-maks. 28 fps/25 fps@3200x800 (60 Hz/50 Hz), panorama pojedyncza-maks. 28 fps/25 fps@2560x1280 (60 Hz/50 Hz) MJPEG: Maks. 5 fps (60 Hz/50 Hz)
	Kodek Smart Codec	Ręczny(obszar 5ea), WiseStream II
	Regulacja jakości wideo	H.264/H.265 : Sterowanie poziomem docelowej szybkości transmisji MJPEG : Kontrola poziomu jakości
	Sterowanie szybkością transmisji	H.264/H.265 : CBR lub VBR MJPEG : VBR
	Streaming	Unicast (6 użytkowników) / multicast Wiele kodeków (do 3 profili)

Elementy	Opis	
	QNF-9010	
Sieć	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, UPnP, Bonjour
	Zabezpieczenia	HTTPS(SSL) Autoryzacja logowania Uwierzytelnienie logowania Digest Filtrowanie adresu IP Dziennik dostępu użytkownika metoda uwierzytelniania 802.1X (EAP-TLS, EAP-LEAP) Certyfikat urządzenia(Hanwha Techwin Root CA)
	Pamięć Edge	1 gniazda Micro SD/SDHC/SDXC 256GB
	API (Application Programming Interface)	ONVIF Profile S/G/T SUNAPI(HTTP API) Otwarta platforma Wisenet
	Język strony internetowej	Angielski, Francuski, Niemiecki, Hiszpański, Włoski, Chiński, Koreański, Rosyjski, Japoński, Szwedzki, Portugalski, Czeski, Polski, Turecki, Holenderski, Węgierski, Grecki
	Przeglądarka internetowa	Obsługiwany system operacyjny: Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Zalecana przeglądarka: Google Chrome Obsługiwane przeglądarki: MS Explorer11, MS Edge, Mozilla Firefox (Obsługiwana wyłącznie w systemie Window 64bit), Apple Safari (Obsługiwana wyłącznie w systemie Mac OS X)
	Pamięć	2048 MB RAM, 256 MB Flash
Dane użytkowe	Temperatura robocza / Wilgotność	-10°C ~ +40°C(+14°F ~ +104°F) / Wilgotność względna (RH) poniżej 90%
	Temperatura przechowywania /Wilgotność	-50°C ~ +60°C (-58°F ~ +140°F) / Wilgotność względna (RH) poniżej 90%
	Certyfikat	IP42
Dane dotyczące zasilania	Napięcie wejściowy	PoE(EEE802.3af, klasa3)
	Pobór Mocy	PoE: Maks 7,7 W, typowo 6,4 W
Dane zewnętrzne	Kolor/Materiał	Biały/plastik
	Kod RAL	RAL9003
	Wymiary/waga produktu	Ø99 x 49 mm(Ø3,9 x 1,93"), 370 g (0.816 funta)

## WIDOK URZĄDZENIA

Jednostka: mm (inch)



## ROZWIĄZYWANIE PROBLEMÓW

PROBLEM	ROZWIĄZANIE
Nie wyświetli się żadne wideo poprzez dostęp do bezpłatnej przeglądarki na Safari poprzez HTTPS.	<ul style="list-style-type: none"> <li>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”.</li> <li>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.</li> </ul>
Nie mogą uzyskać dostępu do kamery z przeglądarki internetowej.	<ul style="list-style-type: none"> <li>Sprawdź, czy ustawienia sieciowe kamery są odpowiednie.</li> <li>Sprawdź, czy wszystkie kable sieciowe zostały podłączone prawidłowo.</li> <li>W przypadku łączenia za pomocą DHCP sprawdź, czy kamera otrzymała dynamiczny adres IP.</li> <li>Jeśli kamera jest podłączona do Ruter szerokopasmowy, sprawdź, czy przekazywanie portów zostało skonfigurowane prawidłowo.</li> </ul>
Program podglądu został odłączony podczas monitorowania.	<ul style="list-style-type: none"> <li>Podłączone programy podglądu zostają odłączone przy każdej zmianie konfiguracji kamery lub sieci.</li> <li>Sprawdź wszystkie połączenia sieciowe.</li> </ul>
Kamera podłączona do sieci nie jest wykrywana w programie Device Manager.	<ul style="list-style-type: none"> <li>Wyłącz cz zaporę na komputerze PC i wyszukaj kamery ponownie.</li> </ul>
Obrazy nakładają się na siebie.	<ul style="list-style-type: none"> <li>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.</li> </ul>
Brak obrazu.	<ul style="list-style-type: none"> <li>Jeśli metoda transmisji to multimedialna, sprawdź, czy router w sieci lokalnej, do którego jest podłączona kamera, obsługuje multimedialną.</li> </ul>
<Wykrywanie ruchu> z <Analizy> jest w pozycji <Włącz.>, ale nie otrzymuję zawiadomień email nawet jeżeli nastąpiło zdarzenie ruchu.	<ul style="list-style-type: none"> <li>Sprawdź ustawienia w następującej kolejności:             <ol style="list-style-type: none"> <li>Sprawdź ustawienia opcji &lt;Data i godzina&gt;.</li> <li>Dla opcji &lt;Wykrywanie ruchu&gt; powinno być wybrane ustawienie &lt;Włącz.&gt;.</li> <li>Zaznacz, jeśli wybrano użycie opcji &lt;E-mail&gt; w menu &lt;Konfig. zdarzeń&gt;.</li> </ol> </li> </ul>
Nagrywanie na karcie pamięci Micro SD jest niemożliwe.	<ul style="list-style-type: none"> <li>Sprawdź, czy karta pamięci nie jest uszkodzona.</li> </ul>

PROBLEM	ROZWIĄZANIE
Karta pamięci Micro SD jest włożona, jednak kamera nie działa prawidłowo.	<ul style="list-style-type: none"> <li>Sprawdź, czy karta pamięci została włożona odpowiednią stroną. Ta kamera nie gwarantuje działania karty pamięci sformatowanej w innych urządzeniach</li> <li>Sformatuj kartę pamięci ponownie w menu &lt;Ustawienia&gt; → &lt;Zdarzenie&gt; → &lt;Pamięć&gt;.</li> </ul>
Nie można nagrywać w NAS.	<ul style="list-style-type: none"> <li>Upewnij się, że informacja rejestrowana w NAS jest poprawna.</li> </ul>
Raportuje że ustawienia NAS nie powiodły się.	<ul style="list-style-type: none"> <li>Upewnij się, że adres IP NAS jest poprawny.</li> <li>Upewnij się, że ID/hasło NAS są poprawne.</li> <li>Korzystając z ID NAS, upewnij się, że jest dostęp do folderu wskazanego jako podstawowy.</li> <li>Upewnij się, że SMB/CIFS nie są zaznaczone.</li> <li>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.</li> <li>Sprawdź czy podejmowałeś próbę dostępu jako inny użytkownik bez formatowania zapisanego bądź używanego podstawowego folderu.</li> <li>Upewnij się, że wykorzystywany jest zalecany sprzęt NAS.</li> </ul>

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If you want to obtain the complete Corresponding Source code in the physical medium such as CD-ROM, the cost of physically performing source distribution might be charged.

## GPL SW

Component Name	License	URL
Base Kernel	GPL 2.0	
Busybox	GPL 2.0	<a href="http://www.busybox.net/downloads/snapshots">http://www.busybox.net/downloads/snapshots</a>
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	<a href="http://ftp.netfilter.org/pub/iptables">http://ftp.netfilter.org/pub/iptables</a>
ethtool-4.2	GPL 2.0	
mtd-1.5.2	GPL 2.0	<a href="ftp://ftp.infradead.org/pub/mtd-utils">ftp://ftp.infradead.org/pub/mtd-utils</a>
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	<a href="http://www.roaringpenguin.com/pppoe/">http://www.roaringpenguin.com/pppoe/</a>
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	
inettutils	LGPL 3.0	
neon-0.29.6	LGPL 2.0	<a href="http://www.webdav.org/neon/">http://www.webdav.org/neon/</a>

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Version 2, June 1991

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revised on June 17, 2004  
revised on December 21, 2006  
revised on March 24, 2009

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

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

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

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

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

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

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

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

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### **Apache License 2.0**

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bzip2-1.0.6	Bzip2	<a href="http://www.bzip.org/">http://www.bzip.org/</a>

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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)

bzip2/libbzip2 version 1.0.5 of 10 December 2007

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

Oznaczenie „Eco” świadczy o tym, że firma Hanwha Techwin wytwarza produkty nieszkodliwe dla środowiska oraz wskazuje, że niniejszy produkt spełnia wymagania przedstawione w dyrektywie RoHS obowiązującej w UE.



### Prawidłowe usuwanie produktu (zużyty sprzęt elektryczny i elektroniczny)

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

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

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



### Sposób poprawnego usuwania baterii, w które wyposażony jest niniejszy produkt

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

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

Aby chronić zasoby naturalne i promować ponowne wykorzystanie materiałów, należy oddzielać baterie od innego typu odpadów i poddawać je utylizacji poprzez lokalny, bezpłatny system zwrotu baterii.

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