

VIDEOCAMERA DI RETE

Manuale utente

QNF-8010

QNF-9010



Videocamera di rete

Manuale utente

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❖ Il progetto e le specifiche sono soggetti a modifiche senza preavviso.

❖ Il nome utente iniziale dell'amministratore è "admin" e la password deve essere impostata quando viene effettuato l'accesso per la prima volta.

Cambiare la propria password ogni tre mesi per proteggere efficacemente le informazioni personali e per evitare danni causati dal furto delle informazioni personali.

Tenere presente che la sicurezza e qualunque problema causato dalla cattiva amministrazione della password, sono responsabilità dell'utente.

ISTRUZIONI DI SICUREZZA IMPORTANTI

1. Leggere queste istruzioni.
2. Conservare queste istruzioni.
3. Rispettare tutti gli avvertimenti.
4. Seguire tutte le istruzioni.
5. Non utilizzare questo apparecchio vicino all'acqua.
6. Pulire l'area contaminata sulla superficie del prodotto con un panno soffice e asciutto o con uno straccio. (Non usare un detergente o prodotti cosmetici contenenti alcol, solventi o tensioattivi o costituenti di olii in quanto potrebbero deformare o danneggiare il prodotto).
7. Non bloccare nessuna apertura di ventilazione. Installare seguendo le istruzioni del fabbricante.
8. Non installare vicino a fonti di calore quali caloriferi, stufe o altri prodotti (compresi gli amplificatori) che possano produrre calore.
9. Non eludere il sistema di sicurezza della spina polarizzata o a terra. Una spina polarizzata è costituita da due spinotti, uno più grande dell'altro. Una spina con presa a terra ha due spinotti e un terzo per la presa a terra. Lo spinotto più grande o il terzo spinotto sono stati previsti per la vostra sicurezza. Se la spina fornita non entra nella presa, mettersi in contatto con l'elettricista per la sostituzione della presa obsoleta.
10. Proteggere il cavo dell'alimentazione per evitare che sia calpestato o schiacciato, facendo particolare attenzione alle spine, alle prese e al punto in cui i cavi escono dell'apparecchio.
11. Utilizzare solo connettori/accessori indicati dal fabbricante.
12. Utilizzare solo carrelli, supporti, treppiedi, staffe o tavoli consigliati dal produttore o venduti assieme all'apparecchio. Qualora si utilizzi un carrello, spostare il gruppo carrello/apparecchio con attenzione per evitare che si ribalti provocando incidenti.
13. Durante forti temporali o se non viene utilizzato per lunghi periodi di tempo, scollegare l'apparecchio dall'alimentazione elettrica.
14. Rivolgersi a personale specializzato per qualsiasi riparazione.
Le riparazioni sono richieste quando l'apparecchio viene in qualche modo danneggiato, ad esempio quando viene danneggiato il cavo di alimentazione o la spina, se è stato versato qualche liquido nell'apparecchio o vi sono caduti degli oggetti o se è stato esposto alla pioggia o all'umidità, se non funziona normalmente o se è caduto.
15. Questo prodotto deve essere alimentato da un'Unità di alimentazione elencata contrassegnata "Classe 2" o "LPS" e omologata per PoE (48 V), 0,14 A. (QNF-8010)
16. Questo prodotto deve essere alimentato da un'Unità di alimentazione elencata contrassegnata "Classe 2" o "LPS" e omologata per PoE (48 V), 0,17 A. (QNF-9010)
17. Questo prodotto richiede un'alimentazione che sia elettricamente isolata.
18. Se si applica una pressione eccessiva durante l'installazione del prodotto, la telecamera potrebbe danneggiarsi e funzionare male.
Se il prodotto è installato forzatamente utilizzando prodotti non conformi, il prodotto potrà danneggiarsi.
19. Non installare il prodotto in un luogo in cui sono presenti o potrebbero essere generate sostanze chimiche o miscele d'olio. Poiché gli oli commestibili come l'olio di soia possono danneggiare o deformare il prodotto, non installarlo nella cucina o vicino al tavolo della cucina.
Ciò potrebbe provocare danni al prodotto.
20. Durante l'installazione del prodotto, prestare attenzione a non far macchiare la superficie con la sostanza chimica.
Alcuni solventi chimici come detersivi o adesivi potrebbero causare gravi danni alla superficie del prodotto.



21. Se il prodotto viene installato/smontato in una modalità che non è stata raccomandata, le funzioni/performance della produzione potrebbero non essere garantite.
Installare il prodotto facendo riferimento a "Installazione e collegamento" nel manuale utente.

22. L'installazione o l'utilizzo del prodotto in acqua può causare gravi danni allo stesso.

AVVERTENZA

PER RIDURRE IL RISCHIO DI INCENDIO O DI SCOSSA ELETTRICA, NON ESPORRE L'APPARECCHIO A PIOGGIA O A UMIDITÀ. NON INSERIRE OGGETTI METALLICI ATTRAVERSO LE GRIGLIE DI VENTILAZIONE O ALTRE APERTURE DELL'APPARECCHIATURA.

Non schizzare o sgocciolare liquidi sull'apparecchio e non porre su di esso oggetti contenenti liquidi, come ad esempio vasi di fiori.

Per evitare lesioni personali, questo apparecchio deve essere fissato saldamente a una parete/al soffitto seguendo le istruzioni per l'installazione.

ATTENZIONE

	ATTENZIONE RISCHIO DISCOSSA ELETTRICA NON APRIRE	
ATTENZIONE : PER RIDURRE I RISCHI DI SCOSSA ELETTRICA. NON RIMUOVERE IL COPERCHIO (O IL PANNELLO POSTERIORE). ALL'INTERNO NON VI SONO PARTI CHE L'UTENTE POSSA RIPARARE. RIVOLGERSI A PERSONALE QUALIFICATO.		

SPIEGAZIONE DEI SIMBOLI GRAFICI



Il simbolo del fulmine con la freccia all'interno del triangolo avverte l'utente della presenza di una "tensione pericolosa" all'interno del prodotto, che può essere di intensità sufficiente per costituire un rischio di scossa elettrica alle persone.



Il simbolo del punto esclamativo all'interno del triangolo avverte l'utente della presenza di importanti istruzioni di funzionamento e manutenzione nella documentazione che accompagna il prodotto.

Prodotto di classe I

Un apparecchio di classe I viene connesso alla presa di RETE con una connessione di messa a terra di sicurezza.

Batteria

Le batterie(pacco batterie o batterie installate) non devono essere esposte a eccessivo calore, come luce del sole, fuoco o simili.

La batteria non è sostituibile.

Scollegamento del dispositivo

Scollegare la spina di alimentazione dall'apparecchio, se difettoso. Quindi contattare il centro di assistenza più vicino.

Se l'apparecchio viene utilizzato al di fuori degli Stati Uniti, servirsi di cavi con codice HAR di un produttore riconosciuto.

ATTENZIONE

Rischio di esplosione se la batteria è sostituita con una batteria di tipo non corretto. Smaltire le batterie usate attenendosi alle istruzioni.

Queste istruzioni di manutenzione devono essere utilizzate esclusivamente da personale di assistenza qualificato.

Per ridurre il rischio di scosse elettriche non eseguire interventi di manutenzione diversi da quelli indicati nelle istruzioni per l'uso a meno di essere in possesso della qualifica adatta a tale scopo.

Il terminale VIDEO di uscita del prodotto è fornito per un'installazione più facile. L'utilizzo non è raccomandabile per scopi di monitoraggio.

Utilizzare l'alimentazione in ingresso con una sola telecamera; gli altri dispositivi non devono essere collegati.

L'apparecchiatura informatica (ITE) deve essere collegata solo a reti PoE senza instradamento all'impianto esterno.

Leggere attentamente le seguenti precauzioni di sicurezza raccomandate.

- Non collocare l'apparecchio su superfici irregolari.
- Non installare su superfici esposte alla luce diretta del sole, vicino a fonti di calore o a zone di freddo intenso.
- Non collocare l'apparecchio vicino a materiali conduttivi.
- Non tentare di effettuare personalmente interventi di assistenza sull'apparecchio.
- Non collocare bicchieri d'acqua sul prodotto.
- Non installare vicino a sorgenti magnetiche.
- Non ostruire le aperture per la ventilazione.
- Non appoggiare oggetti pesanti sul prodotto.
- Usare guanti protettivi quando si installa o rimuove la telecamera.
L'elevata temperatura della superficie del dispositivo potrebbe causare ustioni.

Il manuale utente è una guida all'uso dei prodotti.

I simboli utilizzati nel manuale hanno i seguenti significati.

- Riferimento : Fornisce informazioni sull'uso del prodotto
- Avvertenza : Se vi è la possibilità di danni a persone o oggetti provocati dalla mancata osservanza delle istruzioni

✖ Per ragioni di sicurezza, leggere questo manuale prima di utilizzare il prodotto e conservarlo in un luogo sicuro.

Non garantiamo la qualità dei prodotti di terzi (ad esempio, lenti o accessori) acquistati separatamente.

In determinati ambienti di installazione, potrebbero esserci interferenze nelle comunicazioni radio. Quando si verificano interferenze di onde elettromagnetiche tra il prodotto e il dispositivo di comunicazione radio, si raccomanda di mantenere una certa distanza tra i due o di cambiare la direzione dell'antenna ricevente.

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SPECIFICHE PC CONSIGLIATE

- CPU : Intel(R) Core(TM) i7 3.4 GHz o superiore
 - RAM : 8G o superiore
 - Sistema operativo supportato : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14
 - Browser consigliato : Google Chrome
 - Browser supportati : MS Explorer 11, MS Edge, Mozilla Firefox (solo Window 64bit), Apple Safari (solo Mac OS X)
 - VGA : Scheda grafica PCIe 256MB GDDR3 o superiore
- ※ Alcune funzioni potrebbero essere limitate anche nei browser supportati.

SPECIFICHE RACCOMANDATE PER LA SCHEDA DI MEMORIA MICRO SD/SDHC/SDXC

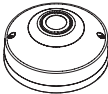
- Spazio consigliabile : Da 16GB a 256GB (Tipo MLC)
- Produttori consigliati : SanDisk, Transcend
- Tipologia di prodotto : Alta resistenza
- La compatibilità varia in base al produttore e alla tipologia della scheda.

SPECIFICHE NAS CONSIGLIABILI

- Spazio consigliabile : È consigliabile disporre di uno spazio di 200GB o superiore.
 - Per questa telecamera, si consiglia di utilizzare una NAS con le seguenti specifiche tecniche del fornitore.
- Prodotti raccomandati: QNAP NAS, Sinologia NAS

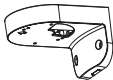
ACCESSORI FORNITI

Verificare che nella confezione siano contenuti la videocamera e tutti gli accessori.
(In base al Paese di residenza, gli accessori potrebbero variare.)

Aspetto	Articolo	Quantità	Descrizione
	Videocamera	1	
	Guida Rapida (opzionale)	1	
	Cavo di prova monitor	1	Per verificare la connessione della videocamera ad un dispositivo di visualizzazione portatile
	Sagoma	1	Guida all'installazione del prodotto
	Chiave a L	1	Per rimuovere/fissare il coperchio superiore

Accessori opzionali per l'installazione

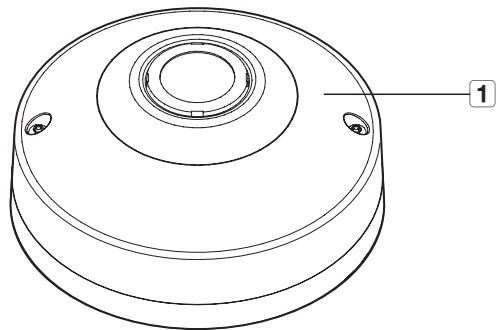
Per un'installazione più semplice, è possibile acquistare i giusti accessori opzionali disponibili.



Nome del modello	Montaggio a parete
QNF-8010, QNF-9010	SBP-120WMW

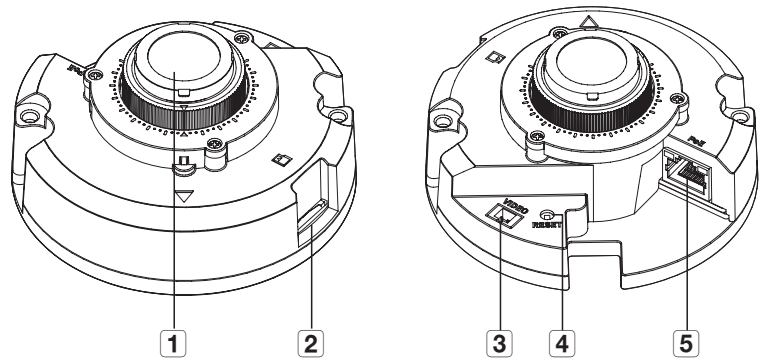
SGUARDO D'INSIEME

Aspetto

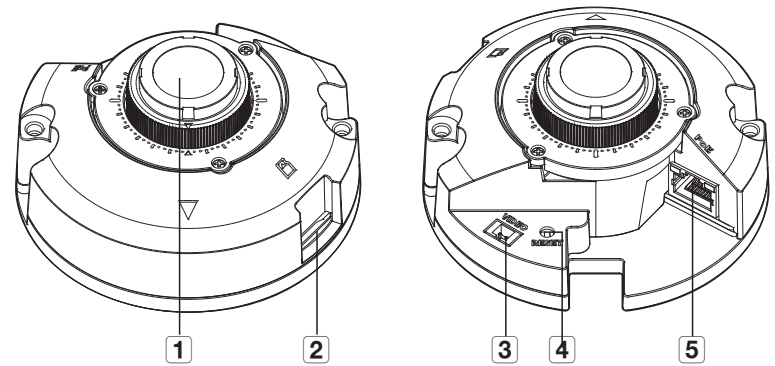


Voce	Descrizione
1 Coperchio superiore	Coperchio utilizzato per proteggere l'obiettivo e l'unità principale.

Interno (QNF-8010)



(QNF-9010)



Voce	Descrizione
1 Obiettivi Fish-Eye	Questo tipo di obiettivo ha una visione a 360° ed è in grado di catturare immagini in maniera panoramica.
2 Alloggiamento scheda di memoria Micro SD	Alloggiamento per la scheda di memoria Micro SD.
3 Uscita video	Porta di uscita per il monitoraggio di test dell'uscita video. Utilizzare il cavo di collegamento al monitor di test per collegarsi a un monitor portatile e controllare il video.
4 Tasto Reset	Il pulsante ripristina tutte le impostazioni della videocamera all'impostazione predefinita. Tenere premuto per circa 5 secondi per riavviare il sistema. I Se si resetta la videocamera, le impostazioni di rete vengono regolate in modo da poter abilitare il DHCP. Se nella rete non è presente nessun server DHCP, è necessario eseguire il programma Device manager per modificare le impostazioni di rete di base, come indirizzo IP, Subnet mask, Gateway, ecc. prima di potersi collegare alla rete.
5 Connettore PoE	Si collega alla rete e fornisce energia elettrica tramite il cavo Ethernet.

INSTALLAZIONE

Precauzioni prima dell'installazione

Prima di installare la videocamera, assicurarsi di aver letto le seguenti istruzioni:

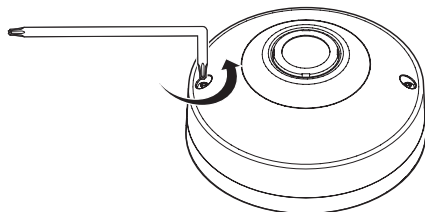
- Selezionare un sito per l'installazione che sia in grado di supportare almeno 5 volte il peso della telecamera.
- I cavi bloccati o spelati possono danneggiare il prodotto o provocare incendi.
- Per motivi di sicurezza, allontanare tutte le persone dal luogo di installazione. E, se necessario, disporre le proprie cose lontano dal sito.

Smontaggio

1. Staccare la pellicola protettiva dalla lente.
2. Utilizzare la chiave a L in dotazione, svitare 2 viti facendole girare in senso antiorario e poi rimuovere il coperchio superiore.
 - Tenere presente che non è necessario rimuovere le viti completamente.

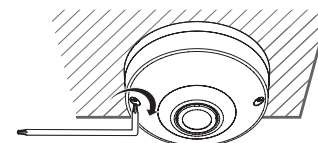
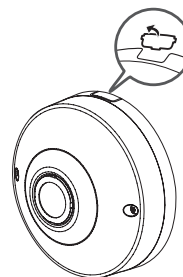
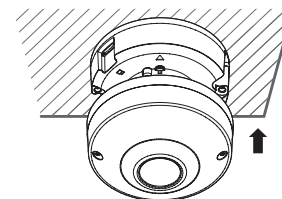
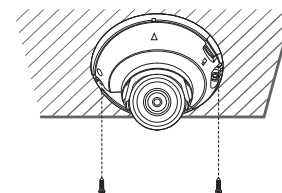
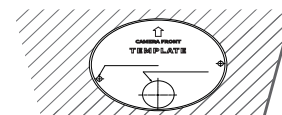


- Dopo aver rimosso la pellicola protettiva, non toccare la lente.

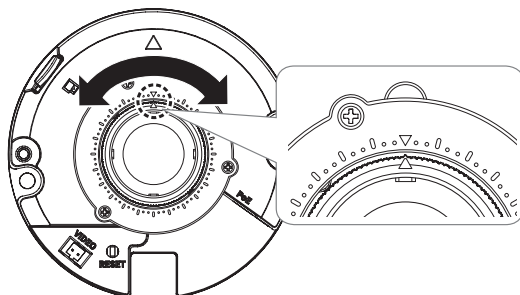


Installazione della videocamera sul soffitto o a parete

1. Considerare la direzione da monitorare, collegare il modello e praticare i fori seguendo il modello.
 - Posizionare la telecamera di modo che il segnale < ↑ > stampato sul fronte della telecamera, sia diretto verso l'area da monitorare.
2. Utilizzando due viti autofilettanti, fissare la telecamera ai due fori praticati con una mascherina.
3. Collegare il terminale interno della telecamera al cavo corrispondente.
4. Regolare l'obiettivo nella direzione desiderata facendo riferimento alla sezione "**Regolazione della direzione di monitoraggio della videocamera**". (pagina 9)
5. Chiudere il coperchio e farlo girare in senso orario utilizzando la chiave a L.
 - Se necessario, utilizzarla dopo aver rimosso il coperchio del foro del cavo sul lato del coperchio superiore.



Regolazione della direzione di monitoraggio della videocamera



Regolazione della direzione di monitoraggio

È possibile regolare la direzione della videocamera solo quando la videocamera è fissata al soffitto.

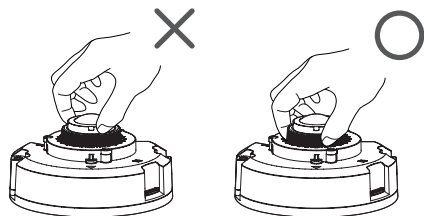
Dove, Girare la lente sul suo asse si chiama Rotazione.

- L'effettiva portata di rotazione è di ± 180 gradi.

Metodi di regolazione

Per regolare la direzione della telecamera, impugnare il supporto della lente e ruotarlo guardando il display di direzione.

- Per regolare la direzione di monitoraggio della telecamera, impugnare il supporto della lente e ruotarlo. Se si impugna la lente per regolare la direzione, la messa a fuoco potrebbe risultare sfocata, o potrebbero rimanere delle impronte digitali sulla superficie.

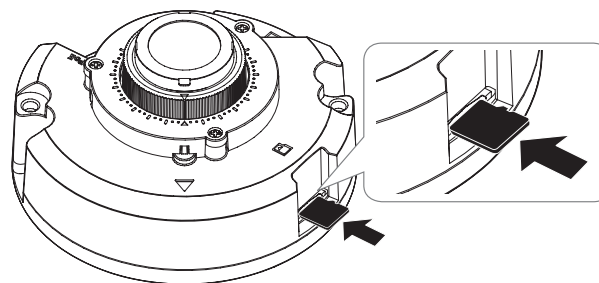


INSERIMENTO/ESTRAZIONE DI UNA SCHEDA DI MEMORIA MICRO SD

- Scollegare il cavo di alimentazione dalla videocamera prima di inserire la scheda di memoria Micro SD.
- Non inserire, forzandola, la scheda di memoria Micro SD se è a rovescio. Altrimenti potrebbe danneggiarsi.
- Quando piove e si ha un alto livello di umidità, non è consigliabile inserire o estrarre una scheda Micro SD.

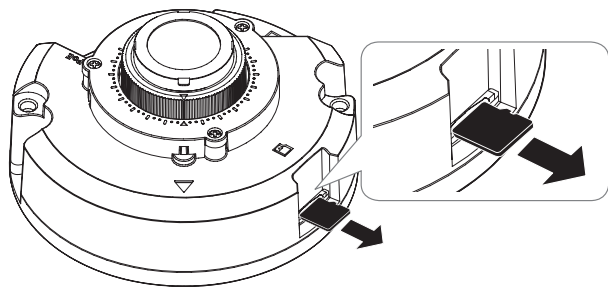
Inserimento di una scheda di memoria Micro SD

1. Separare il coperchio superiore della telecamera.
2. Inserire la scheda Micro SD nel verso della freccia raffigurata nell'immagine.



Rimozione di una scheda di memoria Micro SD

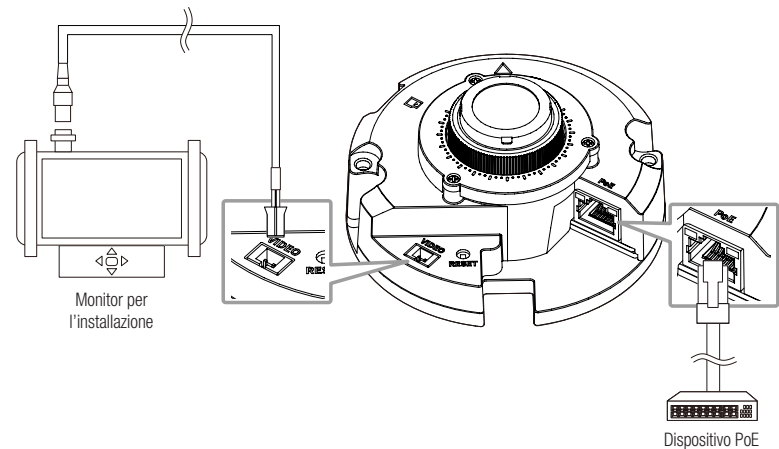
Premere delicatamente sulla fine esposta della scheda di memoria come mostrato nel diagramma per espellere la scheda di memoria dallo slot.



- Prima di rimuovere la scheda di memoria micro SD, andare a <Memorizz.>, e impostare il dispositivo su <Off> quindi premere il tasto [Applica] e spegnere la telecamera.
- Se si spegne la telecamera o si rimuove la scheda di memoria Micro SD che contiene i dati del prodotto, i dati potrebbero andare persi o danneggiati.

ALIMENTAZIONE E FUNZIONI DI RETE

Collegare una telecamera ad un'apparecchiatura PoE.



- Il terminale VIDEO di uscita del prodotto viene fornito per un'installazione più facile. L'utilizzo non è raccomandabile per scopi di monitoraggio.
- Collegare a un connettore per il router PoE (Power over Ethernet) abilitato per il PoE.
- Utilizzare un PoE (Power over Ethernet) compatibile con i protocolli IEEE802.3af.

Caratteristiche tecniche del cavo di rete

Unità	Contenuti	Osservazione
Connettore	RJ45 (10/100BASE-T)	
Ethernet	10/100BASE-T	
Cavo	Categoria 5e	
Distanza massima	100M	Resistenza DC ≤ 0.125 Ω/m
Supporto PoE	IEEE 802.3af	

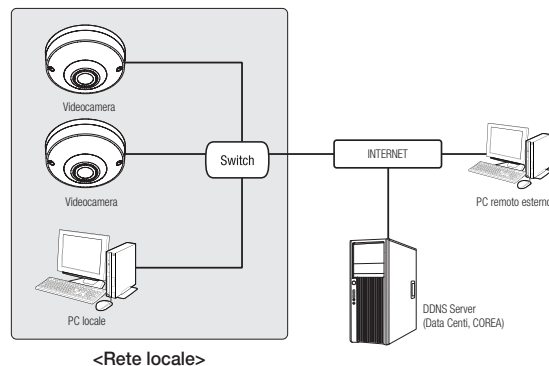
- Se si utilizza un cavo di categoria diversa dalla 5e, la distanza di trasmissione di 100 metri potrebbe non essere garantita.

E' possibile impostare le impostazioni di rete secondo le configurazioni di rete.

COLEGARE LA VIDEOCAMERA DIRETTAMENTE ALL'AREA LOCALE DELLA RETE

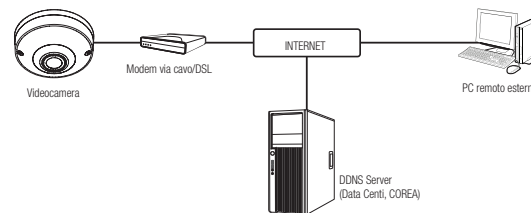
Collegare la videocamera da un PC locale nella LAN

1. Lanciare un browser internet sul PC locale.
2. Inserire un indirizzo IP della fotocamera nella barra dell'indirizzo del browser.



- Un PC remoto in un internet esterno fuori dalla rete LAN può non essere in grado di collegarsi alla fotocamera installata nell'intranet se l'inoltro della porta non è correttamente impostato o c'è un firewall. In questo caso, per risolvere il problema, contattare l'amministratore di rete.
- Per impostazione predefinita, l'indirizzo IP viene assegnato automaticamente dal server DHCP. In assenza di un server DHCP disponibile, l'indirizzo IP è impostato su 192.168.1.100. Per modificare l'indirizzo IP, utilizzare il Device manager. Per ulteriori dettagli sull'utilizzo di Device manager, fare riferimento a "Utilizzo di Device manager". (Pagina 12)

COLLEGAMENTO DELLA VIDEOCAMERA DIRETTAMENTE AD UN MODEM VIA CAVO/DSL DHCP



1. Collegare il PC utente direttamente alla rete della telecamera.
2. Eseguire il Device manager e modificare l'indirizzo IP della telecamera in modo da poter utilizzare il browser web sul desktop per connettersi a Internet.
3. Utilizzare il browser Internet per collegarsi al visualizzatore Web.
4. Passare alla pagina [Configurazione].
5. Passare a [Rete] – [DDNS] e configurare le impostazioni DDNS.
6. Andare a [Basic] – [IP & Porta], e impostare il tipo di IP su [DHCP].
7. Collegare la videocamera rimossa dal PC direttamente al modem.
8. Riavviare la videocamera.

- Per informazioni su come impostare il DDNS fare riferimento alla guida online di Web Viewer.
- Per informazioni su come impostare il formato IP fare riferimento alla guida online di Web Viewer.

UTILIZZO DI DEVICE MANAGER

- Il programma Device manager può essere scaricato dal menu <Support> – <Online Tool> sul sito web di Hanwha Vision (<https://www.HanwhaVision.com>).
- È possibile trovare ulteriori istruzioni sul Device manager nel menu <Guida> nella pagina principale.

RICERCA AUTOMATICA DELLA TELECAMERA

Se una telecamera è collegata alla stessa rete del PC in cui è installato Device manager, è possibile trovare la telecamera di rete utilizzando la funzione di ricerca.

- Fare clic su <Ricerca> nella pagina principale di Device manager.
- Selezionare la telecamera dall'elenco.
 - Controllare l'indirizzo MAC sull'adesivo attaccato alla telecamera.

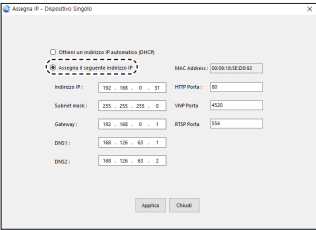
CONFIGURAZIONE DELL'INDIRIZZO IP

Se si desidera modificare le impostazioni di rete della telecamera, il simbolo <Login OK> deve essere visualizzato su <Stato>. Fare clic su <Autenticazione> nella pagina principale per accedere.

Configurazione dell'IP statico

Inserire e configurare manualmente le informazioni relative all'indirizzo IP e alla porta.

- Dall'elenco, fare clic sulla telecamera di cui si desidera modificare l'impostazione IP.
- Fare clic su <IP assegnare> nella pagina principale di Device manager.
- Selezionare <Assegna il seguente indirizzo IP>.
 - Le informazioni IP della telecamera verranno visualizzate come precedentemente impostato.
- Compilare le categorie relative a IP e porta.



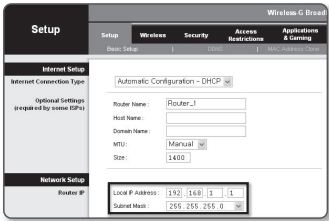
Se non si usa un router a banda larga

Chiedere al gestore di rete il valore impostato di <Indirizzo IP>, <Subnet mask> e <Gateway>.

- HTTP Porta : È utilizzata per accedere alla videocamera utilizzando il browser Internet (impostazione predefinita: 80).
- RTSP Porta : Una porta che controlla lo streaming in tempo reale. Il valore iniziale è 554.

Se si utilizza un router a banda larga

- IP Address : Inserire un indirizzo compreso nell'intervallo di IP fornito dal router a banda larga.
Es) 192.168.1.2~254, 192.168.0.2~254, 192.168.XXX.2~254
- Subnet Mask : La <Subnet Mask> del router a banda larga sarà la <Subnet Mask> della videocamera.
- Gateway : Il <Local IP Address> del router a banda larga sarà il <Gateway> della videocamera.



- Le impostazioni possono differire a seconda del modello di router a banda larga collegato. Per ulteriori informazioni, consultare il manuale utente del router.
- Per ulteriori informazioni sul port forwarding del router a banda larga, vedere "Impostazione dell'inoltro intervallo porte (mappatura della porta)". (Pagina 14)

Se al router a banda larga sono collegate più videocamere

Configurare separatamente le impostazioni relative all'IP e le impostazioni relative alla porta.

Es)

	Categoria	Videoc #1	Videoc #2
Impostazioni correlate dell'IP	Indirizzo IP	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
Impostazioni correlate della porta	HTTP Porta	8080	8081
	RTSP Porta	554	555

- Se per <HTTP Port> è stato impostato un valore diverso da 80, è necessario inserire il numero di <Port> nella barra degli indirizzi del browser Internet prima di poter accedere alla videocamera.
Es) `http://Indirizzo IP : HTTP Port`
`http://192.168.1.100:8080`

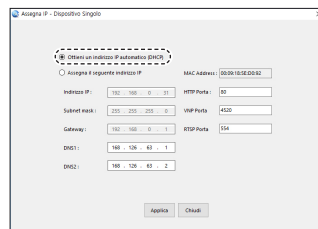
- Fare clic sul pulsante [Applica].
- Se viene visualizzato il messaggio di successo, fare clic su [OK].

Configurazione dell'IP dinamico

Ricevere l'indirizzo IP da DHCP

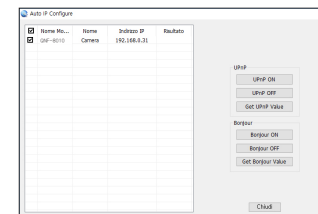
- Esempio di ambiente dell'IP dinamico
 - Se al router a banda larga a cui sono collegate le videocamere è assegnato un indirizzo IP da parte del server DHCP
 - Se si collega la videocamera direttamente al modem usando i protocolli DHCP
 - Se gli IP sono assegnati dal server DHCP interno tramite LAN

1. Dall'elenco, fare clic sulla telecamera di cui si desidera modificare l'impostazione IP.
2. Fare clic su **<IP assegnare>** nella pagina principale di Device manager.
3. Selezionare **<Ottieni un indirizzo IP automatico (DHCP)>**.
4. Fare clic sul pulsante **[Applica]**.
5. Se viene visualizzato il messaggio di successo, fare clic su **[OK]**.



CONFIGURAZIONE AUTOMATICA DELL'IP

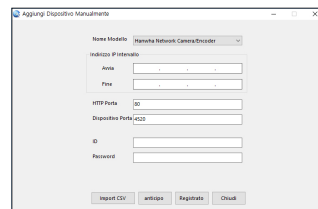
1. Dall'elenco, fare clic sulla telecamera di cui si desidera configurare automaticamente l'IP.
2. Fare clic su **<+>** nella pagina principale di Device manager.
 - Appare il menu Impostazione apparecchiatura.
3. Nel menu, fare clic su **<Auto IP Configure (Configurare IP automatico)>**.
4. Fare clic sul pulsante **[Chiudi]**.



REGISTRAZIONE MANUALE DELLA TELECAMERA

Se non è possibile trovare la telecamera utilizzando la funzione di ricerca, la telecamera può essere registrata a distanza inserendo manualmente le informazioni IP, se la telecamera è collegata a una rete esterna.

1. Fare clic su **<Indirizzo>** – **<Aggiungi Dispositivo Manualmente>** nella pagina principale di Device manager.
2. Inserire l'intervallo di indirizzi IP che si ricerca.
3. Selezionare il **<Nome Modello>** della telecamera registrata e inserire la porta HTTP, l'ID e la password.
4. Fare clic sul pulsante **[Registrato]**.
5. Controllare che la telecamera sia registrata.
 - Controllare l'indirizzo MAC sull'adesivo attaccato alla telecamera.

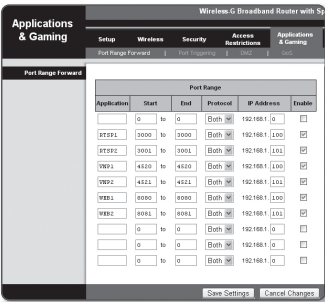


IMPOSTAZIONE DELL'INOLTRO INTERVALLO PORTE (MAPPAT URA DELLA PORTE)

Se è stato installato un router a banda larga a cui è collegata una videocamera, impostare l'inoltro intervallo porte sul router a banda larga in modo che un PC remoto possa accedere alla videocamera in esso.

Inoltro intervallo porte manuale

- 1. Dal menu di configurazione del router a banda larga, selezionare <Applications & Gaming> - <Port Range Forward>.
 - 2. Selezionare <TCP> e <UDP Port> per ogni videocamera collegata al router a banda larga. Il numero di ogni porta da configurare al Router IP deve essere impostato in base al numero della porta designata in <Configurazione> - <Basic> - <IP & Porta> nel visualizzatore web della telecamera.
 - 3. A operazione ultimata, fare clic su [Save Settings].
- Le impostazioni vengono salvate.

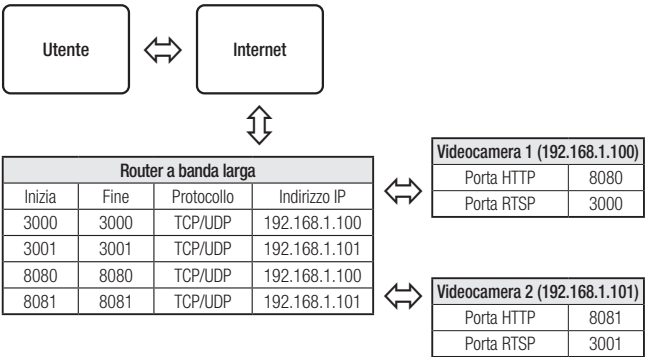


- L'impostazione di inoltro della porta è un esempio di impostazione del router IP CISCO.
- Le impostazioni possono differire a seconda del modello di router a banda larga collegato. Per ulteriori informazioni, consultare il manuale utente del router.

Impostazione del port range forwarding per più videocamere di rete

- È possibile impostare una regola di inoltro della porta sul router a banda larga, dalla relativa pagina Web di configurazione.
- L'utente potrà cambiare ogni porta utilizzando la schermata di configurazione della telecamera.

Quando la videocamera 1 e la videocamera 2 sono collegate a un router :



- L'inoltro della Porta può essere effettuato senza un'ulteriore configurazione del router se questo supporta la funzione UPnP (Universal Plug and Play). Dopo aver collegato la telecamera di rete, selezionare la casella di spunta dal menu <Connessione rapida> in <DDNS> in "Impostazioni -> Rete -> DDNS".

COLLEGAMENTO ALLA VIDEOCAMERA DA UN PC LOCALE CONDIVISO

1. Eseguire Device manager.
Vengono ricercate le videocamere collegate e ne viene visualizzata una lista.
2. Fare doppio clic sulla videocamera a cui accedere.
Il browser Internet viene avviato e si collega alla videocamera.



- È anche possibile accedere alla videocamera digitando l'indirizzo IP della videocamera trovata nella barra degli indirizzi del browser Internet.

COLLEGAMENTO ALLA VIDEOCAMERA DA UN PC REMOTO TRAMITE INTERNET

Su un computer remoto che non si trova nella rete del Router a banda larga, il cluster non è consentito. Gli utenti possono accedere alle telecamere all'interno della rete di un Router a banda larga utilizzando l'URL DDNS della telecamera.

1. Prima di accedere alla videocamera nella rete del router a banda larga, bisogna aver impostato l'inoltro intervallo porte per il router a banda larga.
2. Dal PC remoto, avviare il browser Internet e digitare l'indirizzo URL DDNS della videocamera o l'indirizzo IP del router a banda larga nella barra degli indirizzi.
Es) <http://ddns.hanwha-security.com/ID>

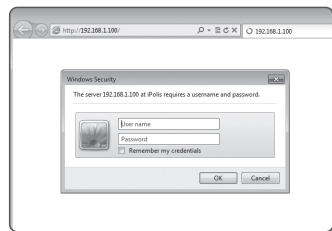


- Per utilizzare il DDNS, iscriversi alla homepage del DDNS (<http://ddns.hanwha-security.com>) e registrare il prodotto su [Il mio DDNS]>[Registrazione prodotto].

COLLEGAMENTO ALLA VIDEOCAMERA

Caso normale

1. Avviare il browser Internet.
2. Digitare l'indirizzo IP della videocamera nella barra degli indirizzi.
Es) • Indirizzo IP (IPv4) : 192.168.1.100 →
http://192.168.1.100
- Si apre la finestra di dialogo di accesso.
• Indirizzo IP (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111
→ http://[2001:230:abcd:ffff:0000:0000:ffff:1111]
- Si apre la finestra di dialogo di accesso.



Se la porta HTTP è diversa da 80

1. Avviare il browser Internet.
2. Digitare l'indirizzo IP e il numero di porta HTTP della videocamera nella barra degli indirizzi.
Es) Indirizzo IP : 192.168.1.100:numero porta HTTP(8080)
→ http://192.168.1.100:8080 - Si apre la finestra di dialogo di accesso.

Utilizzo dell'URL

1. Avviare il browser Internet.
2. Digitare l'URL DDNS della videocamera nella barra degli indirizzi.
Es) Indirizzo URL : http://ddns.hanwha-security.com/ID
- Si apre la finestra di dialogo di accesso.



- La connessione di rete è disabilitata in un ambiente di connessione di rete che funziona soltanto tramite la LAN.

Connessione tramite UPnP

1. Avviare il sistema operativo oppure il sistema client a supporto del protocollo UPnP.
2. Fare clic sul nome della telecamera per avviare la ricerca.
Nel sistema operativo di Windows, fare clic sul nome della telecamera che appare nei risultati della ricerca nel menu della rete.
- Viene visualizzata la finestra per l'accesso.

Connessione tramite Bonjour

1. Avviare il sistema operativo oppure il sistema client a supporto del protocollo di Bonjour.
2. Fare clic sul nome della telecamera per avviare la ricerca.
Nel sistema operativo di Macintosh, fare clic sul nome della telecamera che appare nei risultati della ricerca nella finestra di Bonjour di Safari.
- Viene visualizzata la finestra per l'accesso.

Per controllare l'indirizzo DDNS

Se la videocamera è collegata direttamente a un modem via cavo DHCP o a un modem DSL, l'indirizzo IP della rete cambia ogni volta che si tenta di connettersi al server dell'ISP (Internet Service Provider). In questo caso, l'utente non viene informato che l'indirizzo IP è cambiato dal DDNS.

Una volta registrato un dispositivo con IP dinamico nel server DDNS, è possibile controllare facilmente l'IP cambiato quando si prova ad accedere al dispositivo.

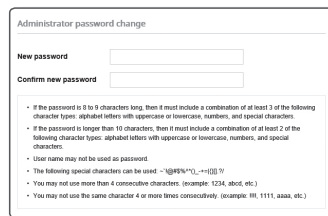
Per registrare il dispositivo sul server <DDNS>, visitare il sito <http://ddns.hanwha-security.com> e, per prima cosa, registrare il dispositivo. Quindi impostare <Rete> - <DDNS> del visualizzatore Web su <DDNS> e inserire il <ID prodotto> precedentemente utilizzato per la registrazione del DDNS.

CONFIGURAZIONE DELLA PASSWORD

Quando si effettua l'accesso al prodotto per la prima volta, è necessario registrare la password di accesso.



- Per una nuova password da 8 a 9 cifre, è necessario usare almeno 3 dei seguenti elementi: lettere maiuscole/minuscole, numeri e caratteri speciali. Per una password da 10 a 15 cifre, è necessario utilizzare almeno 2 degli elementi precedentemente elencati.
 - Caratteri speciali permessi: ~!@#\$%^&*()_-=+|[];?/
- Per ottenere un maggiore livello di sicurezza, non è raccomandabile usare ripetutamente gli stessi caratteri oppure lettere consecutive nella tastiera.
- Se la password è stata smarrita, è possibile premere il pulsante **[RESET]** per ripristinare il prodotto. Di conseguenza, non è consigliabile usare un promemoria per ricordare la propria password o memorizzarla semplicemente.



ACCESSO

Ogni volta che si accede alla telecamera, appare la finestra di login. Inserire l'ID utente e la password per accedere alla telecamera.

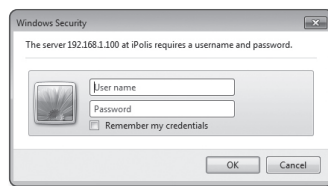
1. Inserire **"admin"** nella casella **<User name>**.
L'ID dell'amministratore, **"admin"**, è fisso e non può essere cambiato.
2. Immettere la password nel campo di inserimento per la **<Password>**.
3. Fare clic su **[OK]**.
Se l'accesso è avvenuto correttamente, appare la schermata Live Viewer.



- Quando si esegue l'accesso al visualizzatore del web della telecamera, è consigliabile, per motivi di sicurezza, indicare se i dati dell'immagine sono crittografati o no.



- Se si attiva l'opzione **"Remember my credentials"** dopo aver completato l'inserimento, dalla volta successiva l'accesso avviene automaticamente, senza la richiesta di inserire le informazioni di accesso.
- La qualità video sarà al massimo se la dimensione dello schermo è al 100%. Riducendo il formato si rischia di tagliare l'immagine sui bordi.



CONFIGURAZIONE DI CAMERA WEB VIEWER

1. Fare clic sull'icona **[Impostazioni (⚙)]**.
2. Verrà visualizzata la finestra delle impostazioni.
3. È possibile configurare le impostazioni per le informazioni di base della videocamera, video, audio, rete, eventi, analisi e sistema sulla rete.
4. Fare clic su **<Aiuto (?)>** per visualizzare le descrizioni dettagliate di ciascuna funzione.

SPECIFICA

Elementi		Descrizione
		QNF-8010
Video	Dispositivo di acquisizione immagini	1/1.8" 6M CMOS
	Pixel effettivi	2048(H) x 2048(V)
	Illuminazione minima	Colore : 0,2 Lux (F2.5, 1/30 sec)
	Uscita video	CVBS : 1,0 Vp-p / 75Ω composita, 720x480(N), 720x576(P), per l'installazione
Obiettivo	Lunghezza focale (rapporto di zoom)	focale fissa 1,14 mm
	Apertura max diaframma	F2,5
	Campo di visualizzazione angolare	H : 187° / V : 187° / P : 187°
	Distanza minima dagli oggetti	0,3m
Caratteristiche operative	Titolo telecamera	visualizzati fino a 85 caratteri
	Giorno e notte	Auto (Elettriche)
	Compensazione controllo	BLC, HLC, WDR, SDR
	Gamma dinamica ampia	120dB
	Riduzione digitale del rumore	SSNR V
	Rilevazione movimento	8ea, zone poligonali
	Maschera privacy	6ea, zone rettangolari
		- Colore: grigio / verde / rosso / blu / nero / bianco
		- Mosaico
	Controllo guadagno	Basso / Medio / Alto
	Bilanciamento bianco	ATW / AWC / Manuale / Interno / Esterno
	Velocità otturatore elettronico	Minimo / Massimo / Anti sfarfallio (2 ~ 1/12,000sec)
	PTZ digitale	Assistenza (Impostazione predefinita, Gruppo)
	Rotazione video	Capovolgi, Specchio
	Analisi	Rilevamento sfocatura, Rilevamento del movimento, Manomissione

Elementi		Descrizione
		QNF-8010
Caratteristiche operative	Business Intelligence	Conteggio persone, Mappa termica
	Trigger allarme	Analisi, disconnessione di rete
	Eventi di allarme	• Caricamento file via FTP, E-mail • Notifica via e-mail • Registrazione SD/SDHC/SDXC o NAS ad attivazione evento
Rete	Ethernet	RJ-45 (10/100BASE-T)
	Compressione video	H.265/H.264: Principale/Base/Alto, MJPEG
	Risoluzione	Visualizzazione originale : 2048x2048, 1280x1280, 1080x1080, 960x960, 768x768, 720x720, 640x640, 480x480 Panorama singolo : 2048x512, 1920x480, 1280x320, 640x160, 704x176 Panorama doppio : 2048x1024, 1920x960, 1280x640, 640x320, 704x352 Quad View : 2048x1536, 1600x1200, 1280x960, 1024x768, 800x600, 640x480, 704x576 Q1/2/3/4 : 1024x768, 800x600, 640x480
	Frequenza max fotogrammi	H.264/H.265: 30 fps/25 fps@2048 x 2048(60Hz/50Hz) MJPEG : Max 15fps
	Codec intelligente	WiseStream II
	Regolazione qualità video	H.264/H.265 : Controllo livello bitrate target MJPEG : Controllo livello di qualità
	Controllo della velocità di trasmissione	H.264/H.265 : CBR o VBR MJPEG : VBR
	Streaming	Streaming multiplo (fino a 3 profili)

Elementi		Descrizione
		QNF-8010
Rete	Protocollo	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
	Sicurezza	Autenticazione HTTPS(SSL) Autenticazione Digest Filtraggio indirizzo IP Registro accessi utente Metodo di autenticazione 802.1X (EAP-TLS, EAP-LEAP)
	Stoccaggio dell'infrastruttura	Micro SD/SDHC/SDXC 1slot 256GB
	Interfaccia per la programmazione dell'applicazione	ONVIF Profile S/G SUNAPI(HTTP API) Piattaforma aperta Wisenet
	Pagina web Lingua	Inglese, Francese, Tedesco, Spagnolo, Italiano, Cinese, Coreano, Russo, Giapponese, Svedese, Portoghese, Ceco, Polacco, Turco, Olandese, Ungherese, Greco
	Visualizzatore Web	Sistema operativo supportato : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Browser consigliato: Google Chrome Browser supportati : MS Explorer11, MS Edge, Mozilla Firefox (Windows 64-bit solo), Apple Safari (Supportati soltanto in Mac OS X)
	Memoria	1024 MB RAM, 256 MB Flash

Elementi		Descrizione
		QNF-8010
Caratteristiche ambientali	Temperatura / umidità di esercizio	-10°C ~ +55°C (+14°F ~ +131°F) / Umidità relativa inferiore al 90%RH
	Temperatura / umidità di conservazione	-50°C ~ +60°C (-58°F ~ +140°F) / Umidità relativa inferiore al 90%RH
	Certificato	IP42
Caratteristiche elettriche	Tensione di ingresso	PoE(IEEE802.3af, Class3)
	Consumo	PoE: Max 6,4 W, tipico 4,6 W
Caratteristiche meccaniche	Colore / materiale	Bianco/Plastica
	Codice RAL	RAL9003
	Dimensioni / peso del prodotto	Ø99 x 49 mm (Ø3,9 x 1,93"), 320 g (0,705 lb)

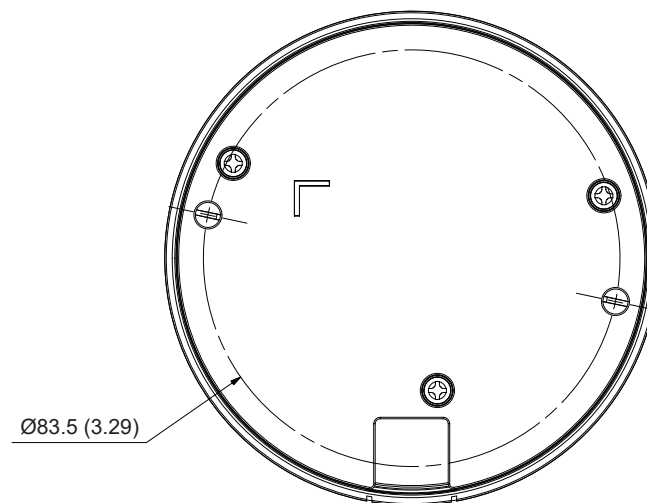
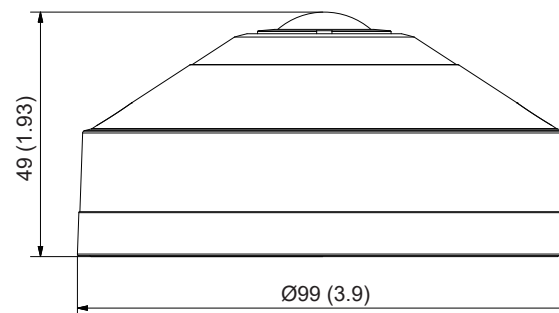
Elementi		Descrizione
		QNF-9010
Video	Dispositivo di acquisizione immagini	1/2.3" 12M CMOS
	Pixel effettivi	3008(H) x 3008(V)
	Illuminazione minima	Colore : 0,39 Lux (F2.2, 1/30 sec)
	Uscita video	CVBS : 1,0 Vp-p / 75Ω composita, 720x480(N), 720x576(P), per l'installazione
Obiettivo	Lunghezza focale (rapporto di zoom)	focale fissa 1,08 mm
	Apertura max diaframma	F2.2
	Campo di visualizzazione angolare	H : 187° / V : 187° / P : 187°
	Distanza minima dagli oggetti	0,5 m(1.64 piedi)
Caratteristiche operative	Titolo telecamera	visualizzati fino a 85 caratteri
	Giorno e notte	Auto (Elettriche)
	Compensazione controllo luce	BLC, WDR, SSDR
	Gamma dinamica ampia	120dB
	Riduzione digitale del rumore	SSNR V
	Rilevazione movimento	4ea, zone poligonali
	Maschera privacy	6ea, zone rettangolari - Colore: grigio / verde / rosso / blu / nero / bianco
	Controllo guadagno	Basso / Medio / Alto
	Bilanciamento bianco	ATW / AWC / Manuale / Interno / Esterno
	Velocità otturatore elettronico	Minimo / Massimo / Anti sfarfallio (2 ~ 1/12,000sec)
	PTZ digitale	Assistenza (Impostazione predefinita, Gruppo)
	Rotazione video	Capovolgì, Specchio
	Analisi	Rilevamento sfocatura, Rilevamento del movimento, Manomissione
	Business Intelligence	Conteggio persone, Mappa termica
	Trigger allarme	Analisi, disconnessione di rete
	Eventi di allarme	• Caricamento file via FTP, E-mail • Notifica via e-mail • Registrazione SD/SDHC/SDXC o NAS ad attivazione evento

Elementi		Descrizione
		QNF-9010
Rete	Ethernet	RJ-45 (10/100BASE-T)
	Compressione video	H.265/H.264: Principale/Alto, MJPEG
	Risoluzione	Visualizzazione originale: 3008x3008, 640x640 Panorama doppio: 2560x1280, 1920x960, 1280x640, 1024x512, 640x320 Panorama singolo: 3200x800, 2560x640, 1920x480, 1280x320, 1024x256 Quad View : 2560x1920, 1920x1440, 1280x960, 1024x768, 640x480
	Frequenza max fotogrammi	H.265/H.264: Visualizzazione originale-Max. 30 fps/25 fps@3008x3008 (60 Hz/50 Hz), Panorama doppio-Max. 28 fps/25 fps@3200x800 (60 Hz/50 Hz), Panorama singolo-Max. 28 fps/25 fps@2560x1280 (60 Hz/50 Hz) MJPEG: Max. 5 fps (60 Hz/50 Hz)
	Codec intelligente	Manuale (area 5 ea), WiseStream II
	Regolazione qualità video	H.264/H.265 : Controllo livello bitrate target MJPEG : Controllo livello di qualità
	Controllo della velocità di trasmissione	H.264/H.265 : CBR o VBR MJPEG : VBR
	Streaming	Unicast (6 utenti)/Multicast Streaming multiplo (fino a 3 profili)

Elementi		Descrizione
		QNF-9010
Rete	Protocollo	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
	Sicurezza	Autenticazione HTTPS(SSL) Autenticazione Digest Filtraggio indirizzo IP Registro accessi utente Metodo di autenticazione 802.1X (EAP-TLS, EAP-LEAP) Certificato del dispositivo (Hanwha Vision Root CA)
	Stoccaggio dell'infrastruttura	Micro SD/SDHC/SDXC 1slot 256GB
	Interfaccia per la programmazione dell'applicazione	ONVIF Profile S/G/T SUNAPI(HTTP API) Piattaforma aperta Wisenet
	Pagina web Lingua	Inglese, Francese, Tedesco, Spagnolo, Italiano, Cinese, Coreano, Russo, Giapponese, Svedese, Portoghese, Ceco, Polacco, Turco, Olandese, Ungherese, Greco
	Visualizzatore Web	Sistema operativo supportato : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Browser consigliato: Google Chrome Browser supportati : MS Explorer11, MS Edge, Mozilla Firefox (Windows 64-bit solo), Apple Safari (Supportati soltanto in Mac OS X)
	Memoria	2048 MB RAM, 256 MB Flash
Caratteristiche ambientali	Temperatura / umidità di esercizio	-10°C ~ +40°C(+14°F ~ +104°F) / Umidità relativa inferiore al 90%RH
	Temperatura / umidità di conservazione	-50°C ~ +60°C (-58°F ~ +140°F) / Umidità relativa inferiore al 90%RH
	Certificato	IP42
Caratteristiche elettriche	Tensione di ingresso	PoE(EEE802.3af, Class3)
	Consumo	PoE: Max 7,7 W, tipico 6,4 W
Caratteristiche meccaniche	Colore / materiale	Bianco/Plastica
	Codice RAL	RAL9003
	Dimensioni / peso del prodotto	Ø99 x 49 mm (Ø3,9 x 1,93"), 370 g (0.816 lb)

PANORAMICA DEL PRODOTTO

Unita: mm (pollici)



RICERCA DEGLI ERRORI

PROBLEMA	SOLUZIONE
Non viene visualizzato alcun video quando si accede al visualizzatore del web senza plug-in su Safari via HTTPS.	- Sulla finestra a comparsa per l'autenticazione, che appare quando si accede per la prima volta al https, fare clic su "Visualizza certificato di autenticazione" e selezionare la casella di selezione "Autorizza sempre quando ci si collega all'IP del visualizzatore del web designato". - Se anche dopo aver selezionato "Successivo" il visualizzatore del web non riproduce il video, premere il tasto Command + Q per uscire dal Browser di Safari. Poi, eseguire nuovamente l'accesso e ripetere la procedura elencata qui sopra.
Non è possibile accedere alla videocamera da un browser web.	- Controllare che le impostazioni di rete della videocamera siano appropriate. - Controllare che i cavi di rete siano stati collegati correttamente. - Se si connette usando DHCP, verificare che la videocamera sia capace di acquisire gli indirizzi IP senza problemi. - Se la videocamera è collegata ad un router a banda larga, verificare che la porti di inoltro sia configurata.
Il visualizzatore si è scollegato durante il monitoraggio.	- I visualizzatori collegati si disconnettono dopo il cambiamento alla videocamera o configurazioni di rete. - Controllare i collegamenti di rete.
La telecamera collegata alla rete non viene rilevata nel programma Device manager.	Spegnere le impostazioni di firewall sul PC e poi cercare ancora la videocamera.
Le immagini si sovrappongono.	Controllare se due o più videocamere siano impostate su un singolo indirizzo multicast invece di diversi indirizzi. Se un singolo indirizzo è usato per videocamere multiple, le immagini possono sovrapporsi.
Nessuna immagine appare.	Se il metodo di trasmissione è impostato a multicast, controllare se c'è un router che supporta multicast nella videocamera LAN collegata.
<Rilevazione del movimento> in <Analytics> è impostato su <Attiva>, ma non ricevo notifiche e-mail neanche quando si verifica un evento di analisi.	- Verificare le impostazioni nella sequenza indicata in basso: A. Verificare le impostazioni di <Data e ora>. B. <Rilevazione del movimento> deve essere impostato su <Attiva>. C. Verificare che l'opzione <E-mail> nel menu <Imp. evento> sia selezionata.
Impossibile registrare sulla scheda di memoria Micro SD.	Verificare che la scheda di memoria non sia difettosa.

PROBLEMA	SOLUZIONE
La scheda di memoria Micro SD è inserita, ma la videocamera non funziona correttamente.	- Verificare che la scheda di memoria sia inserita nella direzione corretta. Il funzionamento delle schede di memoria formattate da altri dispositivi non è garantito su questa videocamera - Riformattare la scheda di memoria nel menu <Configurazione> → <Evento> → <Memorizz.>.
Impossibile eseguire la registrazione nel NAS.	Confermare che l'informazione registrata nel NAS è corretta.
Informa che la configurazione NAS non è andata a buon fine.	- Verificare che l'indirizzo IP e NAS siano validi. - Verificare che ID/Password del NAS siano validi. - Verificare di avere accesso alla cartella scelta come cartella base utilizzando l'ID del NAS. - Confermare che gli elementi NAS SMB/CIFS non siano selezionati. - Confermare che l'indirizzo IP del NAS e l'indirizzo IP della telecamera siano nello stesso formato. Es) Il valore iniziale del NAS & della subnet mask della telecamera è uguale a 255.255.255.0. Se l'indirizzo IP è 192.168.20.32 allora l'indirizzo IP del NAS deve trovarsi entro l'intervallo di 192.168.20.1~192.168.20.255. - Verificare se si è provato ad effettuare l'accesso con un nome utente diverso senza formattare la cartella base salvata o in utilizzo. - Verificare di aver utilizzato l'apparecchiatura NAS consigliata.

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GPL SW

Component Name	License	URL
Base Kernel	GPL 2.0	
Busybox	GPL 2.0	http://www.busybox.net/downloads/snapshots
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtdd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdd-utils
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
zerocoinf	GPL 2.0	

LGPL SW

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

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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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Corretto smaltimento del prodotto (rifiuti elettrici ed elettronici)

(Applicabile nell'Unione Europea e in altri paesi europei con sistema di raccolta differenziata)

Il marchio riportato sul prodotto, sugli accessori o sulla documentazione indica che il prodotto e i relativi accessori elettronici (quali caricabatterie, cuffia e cavo USB) non devono essere smaltiti con altri rifiuti domestici al termine del ciclo di vita. Per evitare eventuali danni all'ambiente o alla salute causati dall'inopportuno smaltimento dei rifiuti, si invita l'utente a separare il prodotto e i suddetti accessori da altri tipi di rifiuti e di riciclarli in maniera responsabile per favorire il riutilizzo sostenibile delle risorse materiali.

Gli utenti domestici sono invitati a contattare il rivenditore presso il quale è stato acquistato il prodotto o l'ufficio locale preposto per tutte le informazioni relative alla raccolta differenziata e al riciclaggio per questo tipo di materiali.

Gli utenti aziendali sono invitati a contattare il proprio fornitore e verificare i termini e le condizioni del contratto di acquisto. Questo prodotto e i relativi accessori elettronici non devono essere smaltiti unitamente ad altri rifiuti commerciali.



Corretto smaltimento delle batterie del prodotto

(Applicabile nei paesi dell'Unione Europea e in altri paesi europei con sistemi di conferimento differenziato delle batterie.)

Il marchio riportato sulla batteria o sulla sua documentazione o confezione indica che le batterie di questo prodotto non devono essere smaltite con altri rifiuti domestici al termine del ciclo di vita. Dove raffigurati, i simboli chimici Hg, Cd o Pb indicano che la batteria contiene mercurio, cadmio o piombo in quantità superiori ai livelli di riferimento della direttiva UE 2006/66. Se le batterie non vengono smaltite correttamente, queste sostanze possono causare danni alla salute umana o all'ambiente.

Per proteggere le risorse naturali e favorire il riutilizzo dei materiali, separare le batterie dagli altri tipi di rifiuti e riciclarle utilizzando il sistema di conferimento gratuito previsto nella propria area di residenza.

