

WISeNeT

VIDEOCAMERA DI RETE

Manuale utente

XNV-6080RS/XNV-8080RS/XNV-6120RS



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 fornito da un'unità alimentata a corrente segnata come "Classe 2" o "LPS" e tarata da 24 Vac (50/60 Hz) 1.1 A o 12 Vdc, 1.0 A. (XNV-6080RS/XNV-8080RS/XNV-6120RS)
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.

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 CVBS 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.

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CARATTERISTICHE DEL PRODOTTO

- Materiale: acciaio inossidabile**
L'esteriore della telecamera è realizzato in acciaio inossidabile, di conseguenza può essere installata anche in ambienti particolari grazie alle sue proprietà che prevengono la corrosione e ne facilitano l'utilizzo.
- Protezione contro polvere/acqua**
Il Design a prova ti polvere/impermeabile protegge il prodotto dalla pioggia e la polvere in caso di installazioni all'aperto.
- Modo IR**
Se l'indicatore IR si attiva, il dispositivo passa al modo IR per impedire l'eccessiva luminosità di un oggetto, aiutando nell'identificazione dell'oggetto a breve distanza.
- Supporta video con risoluzione pixel 2M (XNV-6080RS/XNV-6120RS)**
- Supporta video con risoluzione pixel 5M (XNV-8080RS)**
- Streaming multiplo**
Questa videocamera di rete può visualizzare contemporaneamente video in risoluzioni e qualità diverse con codec diversi.
- Monitoraggio mediante browser Web**
Utilizzo del browser Web di Internet per visualizzare l'immagine in un ambiente di rete locale.
- Allarme**
Quando si verifica un evento, il video viene inviato all'indirizzo email registrato dall'utente, oppure inviato al server FTP, salvato in una scheda SD Micro o NAS; oppure un segnale verrà inviato al terminale della notifica in uscita.
- Rilevazione manomissione**
Rileva i tentativi di manomissione sul monitoraggio video.
- Funzione di rilevamento sfocatura**
Rileva la sfocatura degli obbiettivi della telecamera.
- Rilevazione del movimento**
Rileva il movimento dall'ingresso video della videocamera.
- Rilevazione audio**
Rileva i suoni più forti di un certo di livello specificato dall'utente.
- Codec intelligente**
Applica codec in modo adattivo per una parte del campo di visualizzazione della telecamera per migliorare la qualità dell'area specificata dall'utente.
- Rilevazione automatica della rete disconnessa**
Rileva lo scollegamento della rete prima dell'attivazione di un evento.
- Rilevazione nebbia**
Rileva la nebbia più pesante rispetto al livello di rilevazione.
- Rilevazione volto**
Rileva i volti nell'area specificata dall'entrata video della telecamera.
- Funzione IVA (Intelligent Video Analysis - Analisi Video Intelligente)**
Rileva il movimento o la situazione che soddisfa le norme dell'evento configurato.

- Classificazione sorgente sonora**
Rileva una sorgente sonora specificata dall'utente.
- Conformità ONVIF**
Questo prodotto supporta ONVIF Profile S&G.
Per ulteriori informazioni, vedere www.onvif.org.



SPECIFICHE PC CONSIGLIATE

- CPU : Intel(R) Core(TM) i7 3.4 GHz o superiore
 - RAM : 8G o superiore
 - Sistema operativo supportato : MS Windows, Mac OS X
 - Visualizzatore del web senza Plug-in**
Browser web supportati : Google Chrome, MS Edge, Mozilla Firefox(Windows 64-bit solo), Apple Safari (Supportati soltanto in Mac OS X)
 - Visualizzatore del web con Plug-in**
Browser web supportati : MS Explore, Apple Safari (Supportati soltanto in Mac OS X)
- ※ Fare riferimento all'appendice per informazioni dettagliate sulla versione del SO e browser verificato.

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

- Spazio consigliabile : Da 16GB a 256GB (Tipo MLC)
- Per questa telecamera si raccomandano i seguenti tipi di memory card dei seguenti fabbricanti.
 - Fabbricante : SanDisk, Transcend
 - Famiglia del prodotto : Elevata durata

SPECIFICHE NAS CONSIGLIABILI

- Spazio consigliabile : È consigliabile disporre di uno spazio di 200GB o superiore.
- Accesso simultaneo : Una singola unità NAS è in grado di accettare fino ad un massimo di sedici telecamere in entrata.
- Per questa telecamera, si consiglia di utilizzare una NAS con le seguenti specifiche tecniche del fornitore.

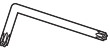
Prodotti raccomandati	Dimensioni disponibili
QNAP NAS	Supporta fino ad un massimo di 16 telecamere in entrata simultaneamente.
Sinologia NAS	Supporta fino ad un massimo di 16 telecamere in entrata simultaneamente.



Se si utilizza un'apparecchiatura NAS per uno scopo diverso dal salvataggio di video, il numero di telecamere in entrata supportato potrebbe variare.

ACCESSORI FORNITI

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

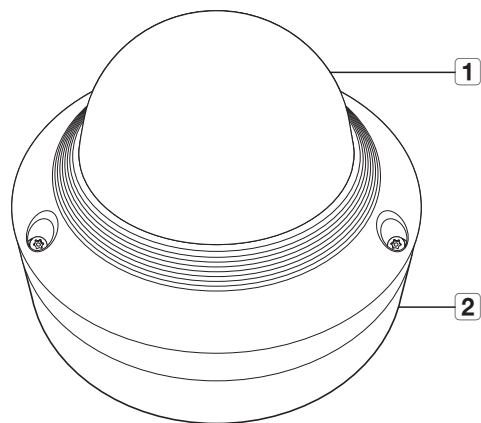
Aspetto	Articolo	Quantità	Descrizione
	Videocamera	1	
	Guida Rapida (opzionale)	1	
	Certificato di garanzia (opzionale)	1	
	Cavo di prova monitor	1	Per verificare la connessione della videocamera ad un dispositivo di visualizzazione portatile
	Piastra di montaggio	1	Guida all'installazione del prodotto
	Accensione morsetti	1	Spina di alimentazione connessa
	Vite autofilettante	4	Per montaggio a parete o a soffitto
	Chiave a stella	1	Utilizzato per rimuovere e sostituire il coperchio a cupola

Aspetto	Articolo	Quantità	Descrizione
	Cavo di alimentazione	1	Utilizzato per collegare l'entrata della corrente
	Cavo Audio/allarme	1	Utilizzato per collegare le entrate audio e per l'allarme
	Fermacavo	1	Boccole comuni per tutti i cavi
	Tassello in plastica	4	Per fissare una vite, inserito in un foro (tassello rinforzato)
	Viti macchina	3	Utilizzate per assemblare la scatola della cupola per installare il prodotto su tubo, a parete o a copertura di un foro.
	Questo tipo di scheda assorbe l'umidità	1	Attaccato al momento dell'installazione.
	Installatore tappo	1	Usato per collegare il cavo RJ45

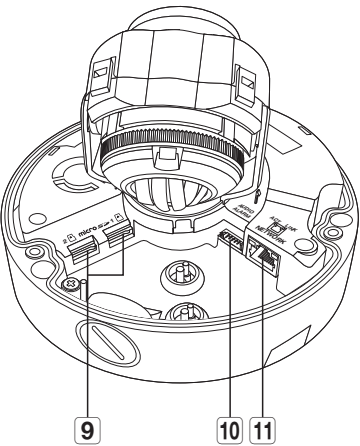
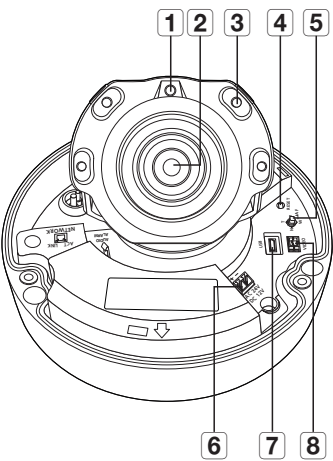
SGUARDO D'INSIEME (XNV-6080RS/XNV-8080RS)

Componenti

Aspetto



Voce	Descrizione
1 Coperchio per la sommità	Coperchio utilizzato per proteggere l'obiettivo e l'unità principale.
2 Porta di alimentazione	Utilizzata per collegare il cavo di alimentazione.

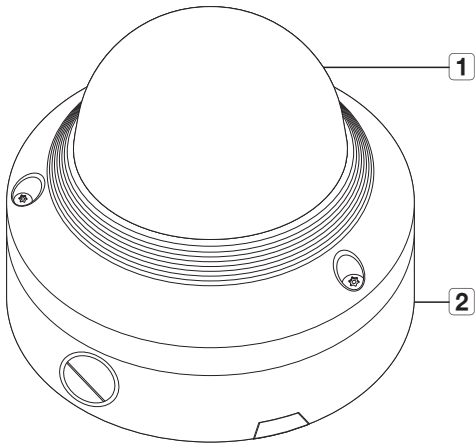


Voce	Descrizione	
1 Sensore di illuminazione	Rileva la luce in ingresso per controllare il LED a infrarossi.	
2 Obiettivo	Obiettivo della telecamera.	
3 LED a infrarossi	Questi LED a infrarossi sono controllati dal sensore di illuminazione.	
4 Tasto Reset	Il pulsante ripristina tutte le impostazioni 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 Pulsante per il controllo dello zoom/fuoco	T	Zoom in (Tele)
	W	Zoom out (Wide)
	N	Messa a fuoco di un oggetto vicino (Near)
	F	Messa a fuoco di un oggetto lontano (Far)
	Controllo della messa a fuoco	Premere questo pulsante per il controllo automatico della messa a fuoco.
6 Porta di alimentazione	Ingresso per il blocco del terminale di alimentazione.	
7 Porta MICRO USB	Porta per connettere il dongle Wi-Fi. Il video di installazione può essere verificato attraverso le applicazioni installate nello smartphone. Fare riferimento alla "Connessione al dongle WiFi" a pagina 16. ■ Il dongle WiFi e l'adattatore OTG sono venduti separatamente.	
8 Uscita del monitor di test	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.	
9 Alloggiamento scheda di memoria Micro SD	Alloggiamento per la scheda di memoria Micro SD.	

Voce	Descrizione	
10 Ingresso per il cavo dell'audio e di allarme	Porta per collegare i cavi audio e di allarme.	
	ARM-IN	Utilizzato per collegare il sensore in entrata di allarme oppure il sensore esterno Giorno/notte.
	ARM-OUT	È utilizzata per collegare il segnale di uscita allarme.
	GND	Porte standard per collegare i segnali d'allarme in entrata/uscita.
	MIC	Per il collegamento a un microfono.
	SPEAKER	Per il collegamento agli altoparlanti.
11 Porta Rete	Per collegare il cavo PoE o Ethernet per il collegamento alla rete.	

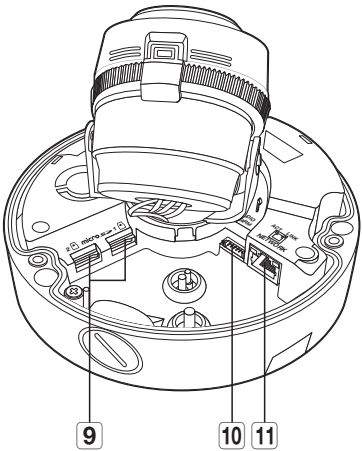
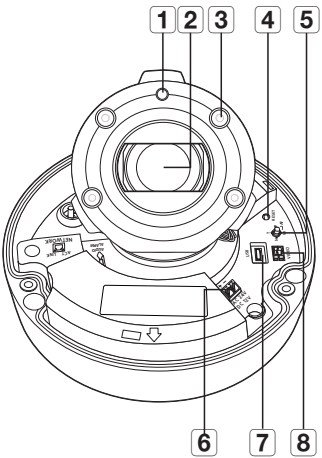
SGUARDO D'INSIEME (XNV-6120RS)

Aspetto



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1 Coperchio per la sommità	Coperchio utilizzato per proteggere l'obiettivo e l'unità principale.
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	Controllo della messa a fuoco	Premere questo pulsante per il controllo automatico della messa a fuoco.
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	MIC	Per il collegamento a un microfono.
	SPEAKER	Per il collegamento agli altoparlanti.
11 Porta Rete	Per collegare il cavo PoE o Ethernet per il collegamento alla rete.	

INSTALLAZIONE



- La presente telecamera è impermeabile e conforme alla classe di protezione IP66, ma la presa collegata al cavo esterno non lo è. Si consiglia di installare il prodotto sotto il bordo delle grondaie per evitare che il cavo risulti esposto esternamente.

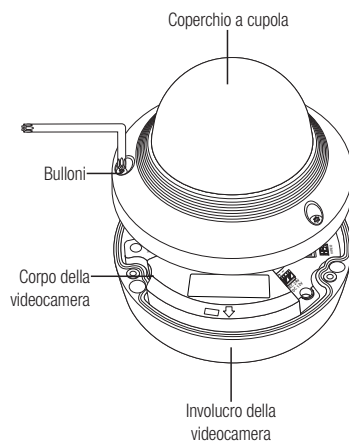
Precauzioni prima dell'installazione

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

- Deve essere installato nell'area (soffitto o parete) in grado di sostenere un peso 5 volte superiore a quello della telecamera, incluso il supporto di installazione.
- 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.
- Se viene applicata una forza eccessiva durante l'installazione del prodotto, la telecamera potrebbe venire danneggiata e non funzionare correttamente. Se si forza l'assemblaggio usando strumenti non conformi potrebbe danneggiare il prodotto.

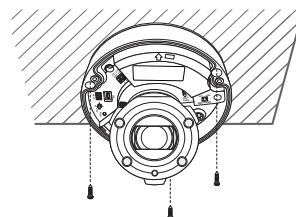
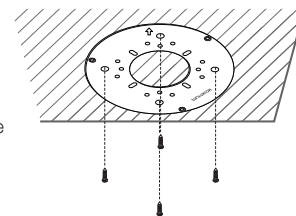
Smontaggio

1. Usare la chiave a stella fornita con il prodotto per allentare il bullone di fissaggio del coperchio Dome girandolo in direzione antioraria e rimuovere il coperchio Dome.



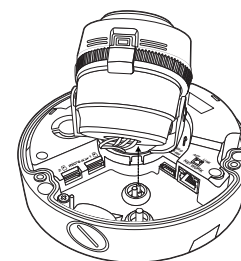
Installazione

1. Eseguire dei fori per fissare i quattro punti D nella piastra di montaggio fornita come accessorio.
 - Orientare il segno [↑] verso la direzione che si desidera monitorare.
2. Inserire completamente il tassello di plastica.
3. Allineare il foro di montaggio della telecamera con il foro dove viene inserito il tassello di plastica, quindi stringere la vite del coperchio.
4. Stringere la piastra di montaggio e il coperchio della telecamera come mostrato.
 - Orientare il segno [↑] verso la direzione che si desidera monitorare.
5. Posare e allacciare i cavi per impedire che vengano danneggiati o che rimangano impigliati durante il montaggio della videocamera.
6. Regolare l'obiettivo nella direzione desiderata facendo riferimento alla sezione **"Regolazione della direzione di monitoraggio della videocamera"**. (pagina 15)
7. Chiudere il coperchio a cupola.
 - Fissare saldamente il bullone di fissaggio usando una chiave a L per evitare che vi entri l'acqua.

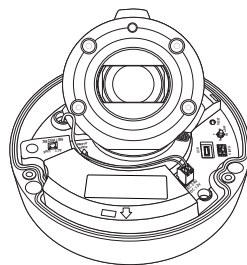


Collegare il cavo di alimentazione impermeabile e il cavo LAN

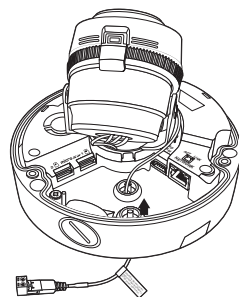
1. Rimuovere il coperchio a cupola e la scatola.
2. Estrarre la parte lunga della spina di gomma integrata che si trova nella parte inferiore e rimuoverla come mostrato dalla figura.



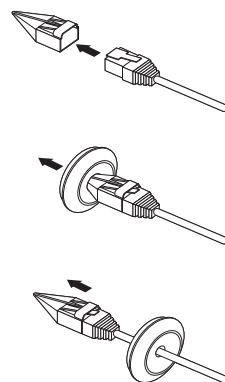
3. Inserire il cavo di alimentazione nel piccolo foro creato dalla rimozione della parte della spina di gomma integrata nel passaggio n. 2 mostrato sopra e riporre il cavo nella lunga scanalatura.
4. Collegare il cavo di alimentazione al blocco del terminale dell'alimentazione.



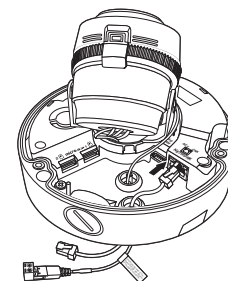
5. Estrarre lo stoppino in gomma sul pavimento, come mostrato.



6. Usare l'installatore del tappo per permettere al cavo RJ45 di passare correttamente.

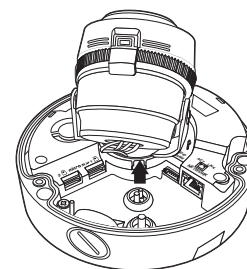


7. Inserire nuovamente lo stoppino in comma e collegare il cavo LAN al terminale Ethernet.

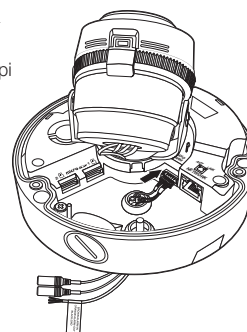


Connessione del cavo dell'allarme e dell'audio

1. Rimuovere il coperchio a cupola e la scatola.
2. Estrarre la spina di gomma che si trova nella parte inferiore, come mostrato dalla figura.



3. Inserire il cavo di allarme/audio nel foro creato dalla rimozione della spina di gomma nel passaggio 2 e collegare il cavo con il terminale di allarme.
4. Allineare il cavo di modo che non sia danneggiato o affinché non si inceppi durante il processo di installazione della telecamera.
5. Posizionare il tappo di gomma che si trova sul cavo di allarme/audio nel foro.
6. Regolare l'obiettivo nella direzione desiderata facendo riferimento alla sezione "**Regolazione della direzione di monitoraggio della videocamera**". (pagina 15)
7. Chiudere il coperchio a cupola.



Collegamento all'adattatore non compreso nella confezione

Scegliere e acquistare una delle seguenti opzioni necessarie (non comprese nel pacchetto) a seconda delle possibilità del sito di installazione o a seconda dell'utilità.

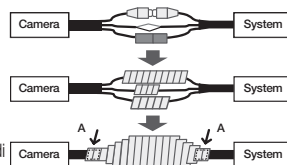
1. Rimuovere il coperchio a cupola dalla scatola, facendo riferimento alla sezione **"Disimballaggio"**. (pagina 12)
2. Utilizzare la vite della macchina in dotazione per fissare l'involucro della videocamera all'adattatore non compreso.
3. Posare e allacciare i cavi per impedire che vengano danneggiati o che rimangano impigliati durante il montaggio della videocamera.
4. Installare il corpo della videocamera nell'ordine inverso allo **"Smontaggio"**.
5. Regolare l'obiettivo nella direzione desiderata facendo riferimento alla sezione **"Regolazione della direzione di monitoraggio della videocamera"**. (pagina 15)
6. Chiudere il coperchio a cupola.
 - Stringere i bulloni di fissaggio usando la chiave a stella per evitare la fuoriuscita di acqua.

Installazione all'esterno

Quando si installa il prodotto all'esterno dell'edificio, impermeabilizzarlo con nastro impermeabilizzante in gomma butilica (acquistabile nei negozi), in modo da evitare perdite d'acqua dallo spazio del cavo collegato all'esterno.

1. Collegare i cavi di alimentazione, I/O, BNC e LAN.
2. Avvolgere la guaina del cavo nero (Area A) e l'area di collegamento del cavo con nastro impermeabilizzante (in gomma butilica), in modo da sovrapporre più di metà del nastro in gomma butilica.

- ! ■ Se la guaina del cavo non è impermeabilizzata correttamente, può causare direttamente perdite. Accertarsi di proteggere il cavo con uno strato spesso di nastro.
- Il nastro butilico impermeabilizzante è in gomma butilica ed è in grado di allungarsi al doppio della lunghezza normale.

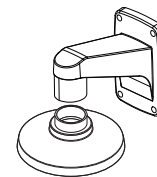


Accessori opzionali per l'installazione

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

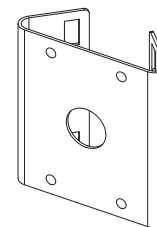
1. MONTAGGIO A TELAIO (SBP-300WMS)/MONTAGGIO A SOSPENSIONE (SBP-HMS6)

Questo adattatore viene utilizzato per installare la videocamera dome a parete.



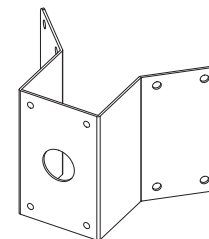
2. ADATTATORE PER MONTAGGIO SU PALO (SBP-300PMS)

Si tratta di un adattatore per l'installazione con ADATTATORE PER MONTAGGIO A PARETE (SBP-300WMS o SBP-300WMS1) su un palo di diametro maggiore di 80 mm.

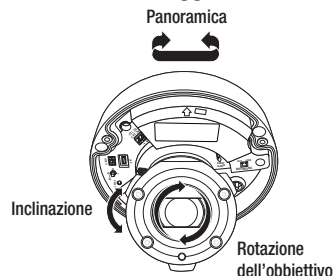


3. ADATTATORE PER MONTAGGIO ANGOLARE (SBP-300KMS)

Si tratta di un adattatore per l'installazione con ADATTATORE PER MONTAGGIO A PARETE (SBP-300WMS o SBP-300WMS1) sull'angolo di una giunzione del muro.



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. La rotazione dell'unità telecamera a destra o sinistra è definita Panoramica, la regolazione dell'inclinazione è definita Inclinazione e la rotazione dell'obiettivo sul suo asse è definita Rotazione.

- La panoramica ha un campo effettivo totale di 354 gradi.
- La rotazione ha un campo effettivo totale di 355 gradi.
- L'angolo di rotazione inclinazione è di 67° per il modello XNV-6080RS/8080RS e di 75° per il modello XNV-6120RS.

- ! L'immagine del filmato potrebbe essere coperta dalla custodia della telecamera, a seconda dell'angolo.
- Non ruotare con forza gli obiettivi per la messa in fuoco / zoom, una volta che la custodia superiore è stata smontata. In caso contrario si rischia una messa a fuoco non corretta a causa di un guasto al motorino.

Metodi di regolazione

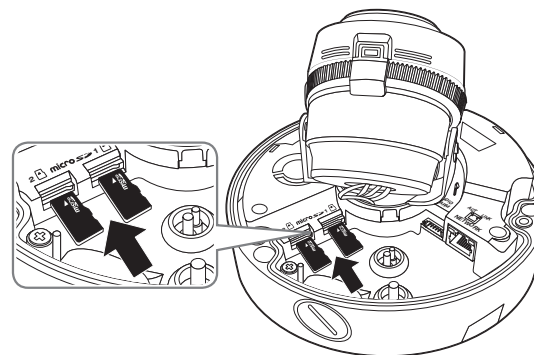
1. Regolare l'angolo di Panoramica dopo aver installato la telecamera, considerando la direzione che si desidera monitorare.
2. Impostare l'angolo orizzontale di modo che l'immagine non sia capovolta.
3. Regolare l'angolo di inclinazione in modo che la videocamera sia rivolta verso l'oggetto da monitorare.

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.
- Lo smontaggio del coperchio del prodotto deve completarsi entro 5 minuti, altrimenti si potrebbe causare la condensazione interna.

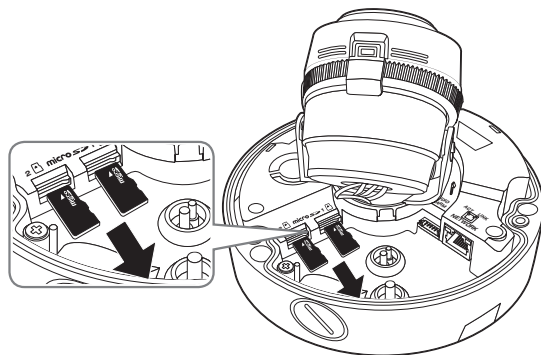
Inserimento di una scheda di memoria Micro SD

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



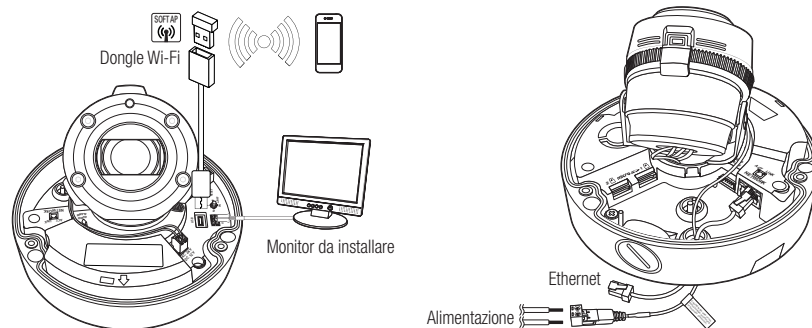
Rimozione di una scheda di memoria Micro SD

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



- Se si esercita una pressione eccessiva sulla scheda di memoria Micro SD, quando la si rilascia questa può saltare fuori dallo slot in modo incontrollato.
- 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.

COLLEGAMENTO CON ALTRI DISPOSITIVI



- Il terminale CVBS di uscita del prodotto viene fornito per un'installazione più facile. L'utilizzo non è raccomandabile per scopi di monitoraggio.
- Il terminale Micro USB di uscita del prodotto viene fornito per un'installazione più facile. L'utilizzo non è raccomandabile per scopi di monitoraggio.

Collegamento Ethernet

Collegare il cavo Ethernet alla rete locale o a Internet.

Connessione Wi-Fi

Configurazione telecamera

1. Connettere l'adattatore OTG e il dongle WiFi al terminal micro USB.

Configurazione smartphone

1. Installare l'applicazione Installazione Wisenet.
2. Selezionare il SSID della telecamera dopo aver acceso il WiFi.
3. Eseguire l'applicazione Installazione Wisenet.
4. Durante il log in alla telecamera, il video sarà connesso (password iniziale: 4321)
 - Il video sarà riprodotto senza log in durante la connessione iniziale.
5. L'angolo della telecamera può essere regolato mentre si guarda il video dallo smartphone.

Fabbrikante raccomandato del dongle

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

Alimentazione

Utilizzare un cacciavite per collegare ciascun terminale (+, -) del cavo di alimentazione alla relativa porta della videocamera.

- Quando si fornisce corrente PoE e DC 12V o PoE e AC 24V contemporaneamente, l'apparecchiatura è alimentata da una fonte esterna (AC 24V, DC 12V).
 - Si può anche utilizzare un router PoE per alimentare la telecamera.
 - Utilizzare un'alimentazione PoE conforme ai protocolli IEEE 802.3af.
 - Si suggerisce di usare un'unica fonte per l'alimentazione dell'apparecchiatura scegliendo tra PoE, DC 12V e AC 24V.
- Fare attenzione a non invertire la polarità quando si collega il cavo di alimentazione.
- AC 24V può essere collegato tramite un'unione non polare.
- Se si intende collegare un dispositivo esterno, questo deve essere spento prima di procedere.
- Connettere prima il set e la linea di trasmissione dell'adattatore, poi il cavo di alimentazione alla presa di sulla parete.

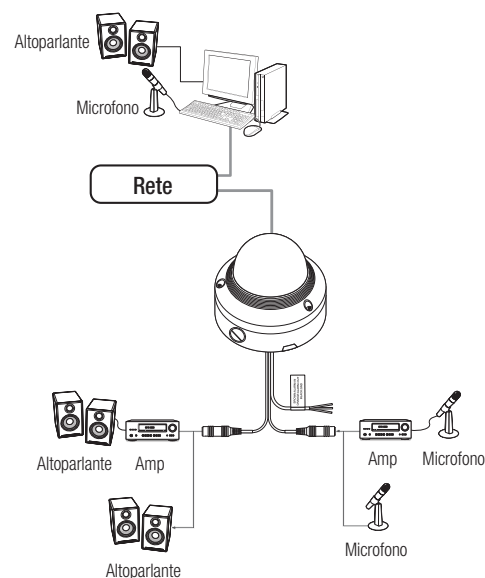
Caratteristiche tecniche per i cavi di alimentazione di ogni modello

Modello	Alimentazione di ingresso	Tipo di cavo (AWG)	Lunghezza del cavo (Max.)
XNV-6080RS/8080RS/6120RS	DC 12V	#18	19m
		#16	30m
	AC 24V	#20	26m
		#18	40m

Caratteristiche tecniche del cavo di rete

Unità	Contenuti	Osservazione
Connettore	RJ45	
Ethernet	10/100BASE-T	
Cavo	Categoria UTP 5e	
Distanza massima	100M	Resistenza DC $\leq 0.188 \Omega/\text{m}$
Supporto PoE	IEEE 802.3af	

Collegare all'ingresso/uscita audio



1. Collegare la porta AUDIO IN della telecamera al microfono o alla porta LINE OUT dell'amplificatore a cui è collegato il microfono.
2. Collegare la porta AUDIO OUT della telecamera al diffusore o alla porta LINE IN dell'amplificatore a cui il diffusore è collegato.
3. Controllare le specifiche per l'ingresso audio.

● Audio Codec

- Ingresso audio : G.711 PCM (Bit rate: 64 kbps / Frequenza di campionamento: 8 kHz), G.726 ADPCM (Bit rate: 16 Kbps, 24 Kbps, 32 Kbps, 40 Kbps / Frequenza di campionamento: 8 kHz), AAC (Bit rate: 48 Kbps / Frequenza di campionamento: 16 kHz)
- Uscita audio : G.711 PCM (Bit Rate: 64 kbps / Frequenza di campionamento: 8 kHz)

● Audio duplex

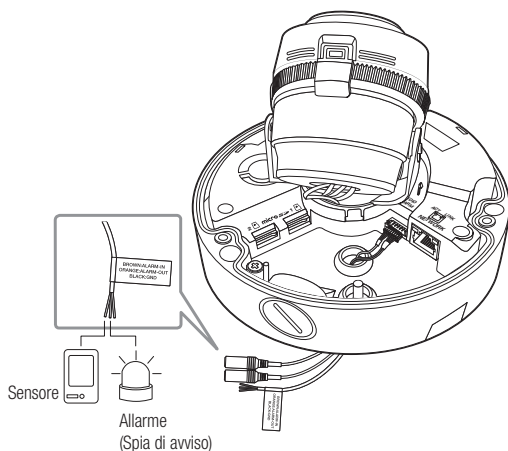
- **Audio in** : Selezionabile (microfono/Linea in entrata), tensione supportata: 2.5VDC (4mA), impedenza in entrata: 2K Ohm

- **Audio out** : Linea in uscita (3.5mm Mono jack), Livello uscita max: 1Vrms

- **Impedenza linea di uscita** : 600Ω

Collegamento alla porta I/O

Collegare il cavo di allarme I/O alla porta corrispondente della scatola d'ingresso.



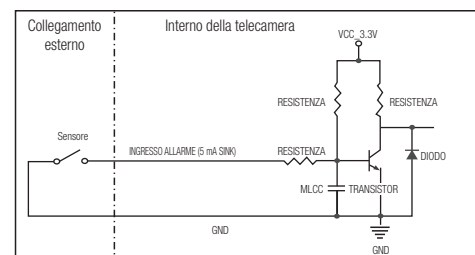
- **ALARM-IN** : Utilizzato per collegare il sensore in entrata di allarme oppure il sensore esterno Giorno/notte.
- **ALARM-OUT** : È utilizzata per collegare il segnale di uscita allarme.
- **GND** : Porta comune per il segnale di allarme in entrata/uscita.

❗ Se si collegano dispositivi che superano la tensione e la corrente specificate (es. luce lampeggiante e sirena) mediante il metodo a collettore aperto, potrebbero verificarsi malfunzionamenti.
Fare riferimento al **"Schema di collegamento dell'uscita allarme"** quando si collegano dispositivi che superano il voltaggio e le attuali caratteristiche tecniche. (pagina 18)

Collegamento del sensore esterno

Collegare un trefolo di ogni linea di segnale (2 trefoli) dei sensori alla porta **[ALARM IN]** e l'altro trefolo alla porta **[GND]**.

Schema di collegamento dell'ingresso allarme

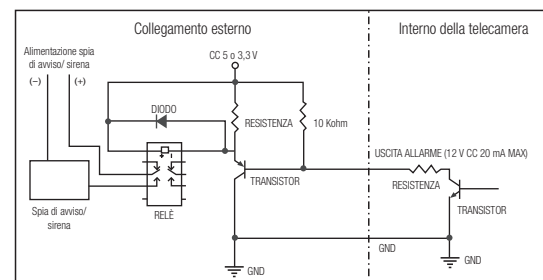


Per collegare l'uscita allarme

Se si collegano dispositivi che superano la tensione e la corrente specificate (es. luce lampeggiante e sirena) mediante il metodo a collettore aperto, potrebbero verificarsi malfunzionamenti.

Per collegare dispositivi che superano la tensione e la corrente specificate, vedere lo schema di collegamento dell'uscita allarme illustrato di seguito.

Schema di collegamento dell'uscita allarme

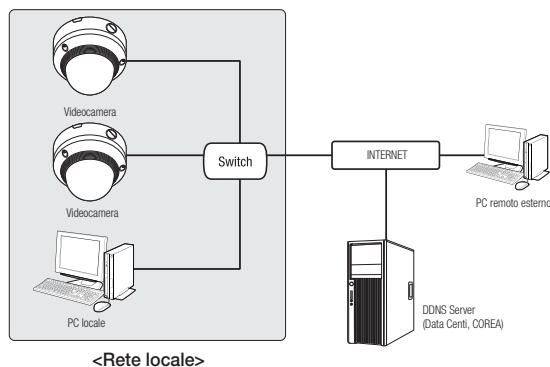


E' possibile impostare le impostazioni di rete secondo le configurazioni di rete.

COLEGARE LA VIDEOCAMERA DIRETTAMENTE ALL'AREA LOCALE DELLA RETE

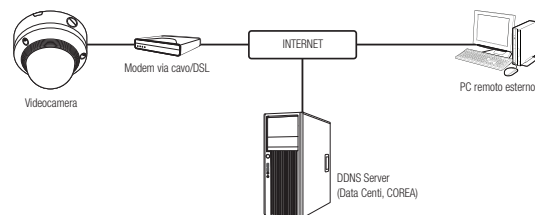
Collegare la videocamera da un PC locale nella LAN

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.
- In Device manager, è possibile utilizzare la password iniziale, "4321" per impostare indirizzo IP, Subnet mask, Gateway, porta HTTP, porta VNP, tipo IP. Dopo aver cambiato l'interfaccia della rete, per assicurare una migliore sicurezza, accedere al visualizzatore del web e cambiare la password.
- 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 21)

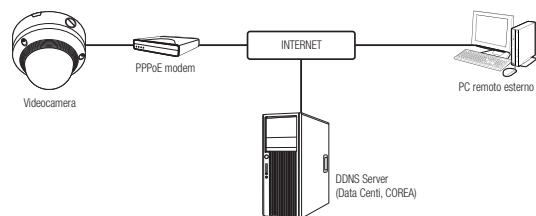
COLLEGAMENTO DELLA VIDEOCAMERA DIRETTAMENTE AD UN MODEM VIA CAVO/DSL DHCP



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.

COLLEGAMENTO DELLA VIDEOCAMERA DIRETTAMENTE A UN MODEM PPPoE

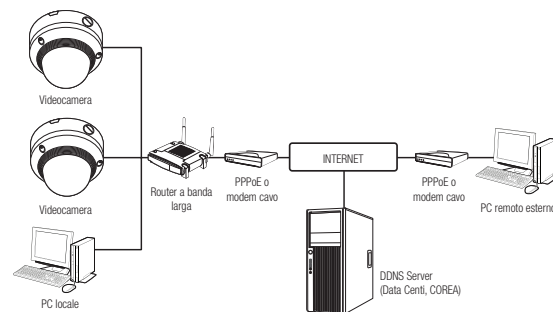


1. Collegare il PC utente direttamente alla rete della telecamera.
2. Eseguire il Device manager e modificare l'indirizzo IP della telecamera in modo da poter utilizzare il browser web sul desktop per connettersi a Internet.
3. Utilizzare il browser Internet per collegarsi al visualizzatore Web.
4. Passare alla pagina **[Configurazione]**.
5. Passare a **[Rete] – [DDNS]** e configurare le impostazioni DDNS.
6. Andare a **[Basic] – [IP & Porta]** Pagina delle impostazioni, impostare il tipo di rete a **[PPPoE]**, e immettere il nome e utente e la password.
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.

COLEGARE LA VIDEOCAMERA AD UN ROUTER A BANDA LARGA CON PPPoE/CAVO MODEM

Questo va bene per piccoli ambienti come case e negozi.



Configurare le impostazioni di rete dal PC locale collegato al router a banda larga

Configurare le impostazioni di rete del PC collegato ad un Router a banda larga, seguire le istruzioni sotto.

- Selezionare : **<Network> → <Properties> → <Local Area Connection> → <General> → <Properties> → <Internet Protocol (TCP/IP)> → <Properties> → <Obtain an IP address automatically>** o **<Use the following IP address>**.
- Seguire le istruzioni sotto se si seleziona **<Use the following IP address>**:
 - Es. 1) Se l'indirizzo (LAN IP) dell'Router a banda larga è 192.168.1.1
Indirizzo IP : 192.168.1.100
Maschera Sottorete : 255.255.255.0
Default Gateway : 192.168.1.1
 - Es. 2) Se l'indirizzo (LAN IP) dell'Router a banda larga è 192.168.0.1
Indirizzo IP : 192.168.0.100
Maschera Sottorete : 255.255.255.0
Default Gateway : 192.168.0.1
 - Es. 3) Se l'indirizzo (LAN IP) dell'Router a banda larga è 192.168.xxx.1
Indirizzo IP : 192.168.xxx.100
Maschera Sottorete : 255.255.255.0
Default Gateway : 192.168.xxx.1

- Per l'indirizzo dell'Router a banda larga, fare riferimento alla documentazione del prodotto.
- Per ulteriori informazioni sul port forwarding del router a banda larga, vedere **"Impostazione dell'inoltro intervallo porte (mappatura della porte)"**. (Pagina 23)

UTILIZZO DI DEVICE MANAGER



- Il programma Device manager può essere scaricato dal menu <Technical Guides> – <Online Tool> sul sito web di Hanwha Techwin (<http://www.hanwha-security.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).
- VNP Porta : È utilizzata per controllare il trasferimento del segnale video (impostazione predefinita: 4520).
- 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 (mappat ura della porte)". (Pagina 23)

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
	VNP Porta	4520	4521
	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>

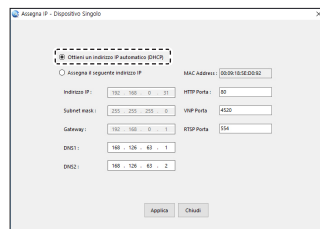
- Fare clic sul pulsante [Applica].
- Se viene visualizzato il messaggio di successo, fare clic su [OK].

Configurazione dell'IP dinamico

Ricevere l'indirizzo IP da DHCP

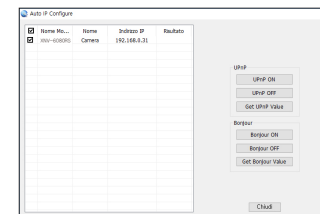
- Esempio di ambiente dell'IP dinamico
 - Se al router a banda larga a cui sono collegate le videocamere è assegnato un indirizzo IP da parte del server DHCP
 - Se si collega la videocamera direttamente al modem usando i protocolli DHCP
 - Se gli IP sono assegnati dal server DHCP interno tramite LAN

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

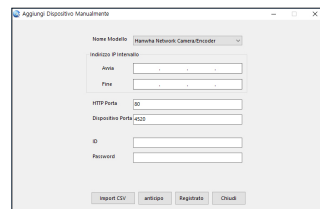
1. Dall'elenco, fare clic sulla telecamera di cui si desidera configurare automaticamente l'IP.
2. Fare clic su **<+>** nella pagina principale di Device manager.
 - Appare il menu Impostazione apparecchiatura.
3. Nel menu, fare clic su **<Auto IP Configure (Configurare IP automatico)>**.
4. Fare clic 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, la porta VNP, l'ID e la password.
4. Fare clic sul pulsante **[Registrazione]**.
5. Controllare che la telecamera sia registrata.
 - Controllare l'indirizzo MAC sull'adesivo attaccato alla telecamera.

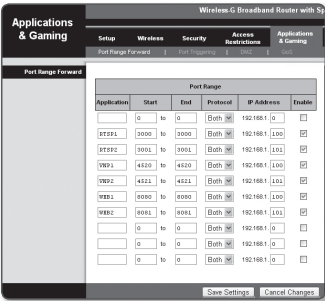


IMPOSTAZIONE DELL'INOLTRO INTERVALLO PORTE (MAPPAT URA DELLA PORTE)

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>.
- Per impostare l'inoltro intervallo porte per un router a banda larga di terzi, consultare il Manuale utente del router a banda larga in questione.
- 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.

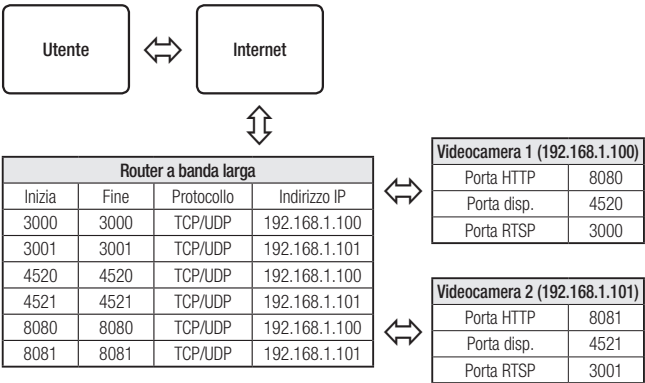


- L'impostazione di inoltro della porta è un esempio di impostazione del router IP CISCO.
- Le impostazioni possono differire a seconda del modello di router a banda larga collegato.
- Per ulteriori informazioni, consultare il manuale utente del router.

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 Wisenet> 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>

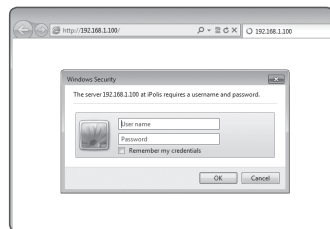


- Per utilizzare il DDNS Wisenet, iscriversi alla homepage del DDNS Wisenet (<http://ddns.hanwha-security.com>) e registrare il prodotto su **[Il mio DDNS]>[Registrazione prodotto]**.

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, a un modem DSL o a un modem PPPoE, 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.

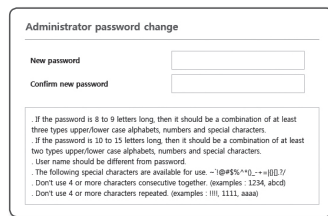
Una volta registrato un dispositivo con IP dinamico nel server DDNS, è possibile controllare facilmente l'IP cambiato quando si prova ad accedere al dispositivo.

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 Wisenet> 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. Quando appare la finestra per la **"Modifica della password"**, immettere la nuova password.

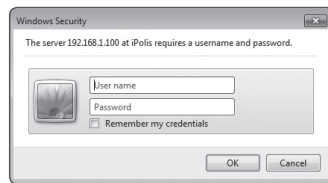
- Per una nuova password da 8 a 9 cifre, è necessario usare almeno 3 dei seguenti elementi: lettere maiuscole/minuscole, numeri e caratteri speciali. Per una password da 10 a 15 cifre, è necessario utilizzare almeno 2 degli elementi precedentemente elencati.
 - Caratteri speciali permessi: ~!@#\$%^&*()_+=|{};?/
- 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.

SPECIFICHE DI ASSISTENZA PER IL PLUG-IN PER OGNI BROWSER

Il visualizzatore web esistente con il plug-in e il visualizzatore del web senza plug-in sono integrati. Ciò consente di utilizzare il visualizzatore web in ambienti browser più nuovi che non supportano plug-in, come Chrome, EDGE e Firefox (Windows 64-bit solo). Per browser che consentono l'installazione di plug-in, come IE e Safari, si raccomanda l'installazione del plug-in. In base al browser in uso, si potrebbero notare le seguenti differenze.

- **Browser Chrome, FireFox(solo Windows 64bit), EDGE, Safari** : Il browser non permette l'uso di un plug-in. Tuttavia con il visualizzatore del web senza Plug-in è possibile usare il visualizzatore del web.
- I visualizzatori del web senza Plug-in hanno prestazioni inferiori rispetto ai visualizzatori del web con plug-in a seconda del codec video e la risoluzione.
 - Quando si verifica un Lag nel video live, verrà automaticamente creato un profilo senza Plug-in (HD (1280x720) e 20 FPS di H.264)
 - Potrebbero esserci dei ritardi nel playback a seconda del codec e della risoluzione.
- La funzione gratuita plug-in è stata ottimizzata per il browser Chrome.
- **Browser IE, Safari** : Anche se non si installa il plug-in dal visualizzatore del web con plugin esistente, è possibile usare il visualizzatore del web con funzionalità limitate.
- Per monitorare/riprodurre ininterrottamente i video salvati, è necessario installare un plug-in.

INSTALLAZIONE DEL PLUGIN DEL WEBVIEWER

Se si prova ad accedere a un visualizzatore del Web senza plug-in da IE e si richiede una visualizzazione live con un codec diverso da quello correntemente in uso, oppure se si prova a usare la funzione playback del video registrato, apparirà un messaggio di installazione.

A quel punto, è necessario installare il Pugin per il visualizzatore del Web per poter usare le funzioni normalmente.

1. Quando si accede per la prima volta alla pagina per il monitoraggio, viene visualizzata la pagina per l'installazione. Fare clic su **[Download plugin]** per avviare l'installazione.



- Se lo stato del download del file plug-in di installazione è interrotto a 99% nel browser di Internet Explorer, riprovare più tardi selezionando : "Release SmartScreen filter" in "Tool → SmartScreen filter".

2. Fare clic su **[Run]** nella finestra di avviso.
3. Fare clic su **[Yes]** sulla finestra di notifica che tutte le finestre del browser saranno chiuse.



- I passaggi 4 e 5 verranno automaticamente saltati se non è installato alcun Plug-in per la visualizzazione del web.

4. Nel caso in cui sia già installata una versione precedente del Plug-in per la visualizzazione del web, una finestra di notifica apparirà comunicando che la versione precedente sarà eliminata.
Fare clic su **[Yes]** sulla finestra di notifica che appare.
5. Fare clic su **[OK]**.
La versione più vecchia del Plug-in per la visualizzazione del web viene eliminata.
6. Fare clic su **[Install]** per avviare l'installazione del Plug-in per la visualizzazione del web.
7. Fare clic su **[Finish]**.
L'installazione del Plug-in per la visualizzazione del Web è finalizzata.

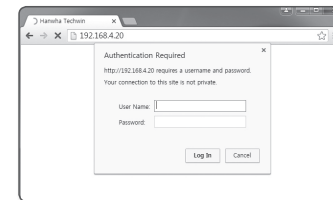


- Nel proprio browser di Internet Explorer, se dopo aver installato il plugin del visualizzatore del web, è necessario spostarsi alla schermata di installazione, controllare se `webviewer_activexplugin_lib.control` nella sezione "Strumento → Gestione di Funzioni Aggiuntive" è "Attivato". Se non è stato attivato, e se il problema persiste, selezionare "Strumenti → Opzioni Internet → Generali" ed eliminare i dati di navigazione.
Se il problema persiste, registrare l'IP o il Dominio della telecamera in "Strumenti → Opzioni Internet → Sicurezza → Siti di Fiducia".

UTILIZZO DI UN VISUALIZZATORE DEL WEB SENZA PLUG-IN

Sebbene non sia possibile installare plug-in separatamente, se si accede alla telecamera da Google Chrome, Mozilla Firefox o dal browser web MS Edge, è possibile visualizzare e controllare la telecamera senza installare i plug-in.

1. Immettere il nome utente e la password per effettuare l'accesso.
2. Una volta effettuato l'accesso, apparirà una schermata per la visualizzazione della telecamera live.



Impostare la telecamera

1. Fare clic sull'icona **[Impostazioni (⚙)]**.
2. Verrà visualizzata la finestra delle impostazioni.
3. Dalla rete è possibile gestire le impostazioni relative a: informazioni di base della telecamera, PTZ, video e audio, rete, evento, analisi, sistema e piattaforma aperta.
4. Fare clic su **<Aiuto (ⓘ)>** per visualizzare le descrizioni dettagliate di ciascuna funzione.

SPECIFICA

Elementi		Descrizione		
		XNV-6080RS	XNV-8080RS	XNV-6120RS
Video	Dispositivo di acquisizione immagini	1/2.8" 2M CMOS	1/1.8" 6M CMOS	1/2.8" 2M CMOS
	Pixel totali	1945(H) x 1109(V) 2.16M	3096(H) x 2094(V)	1945(H) x 1109(V) 2.16M
	Pixel effettivi	1945(H) x 1097(V) 2.13M	2616(H) x 1976(V)	1945(H) x 1097(V) 2.13M
	Sistema di scansione	Scansione progressiva		
	Illuminazione minima	Colore : 0,015 lux(F1,4, 1/30sec), B/N : 0 lux (IR LED On)	Colore : 0,07 lux(F1,3, 1/30sec), B/N : 0 lux(IR LED On)	Colore : 0,03 lux(F1,6, 1/30sec), B/N : 0 lux(IR LED On)
	Rapporto S / N	50dB		
	Uscita video	CVBS : 1.0 Vp-p / 75Ω composita, 720x480(N), 720x576(P), per l'installazione USB : Micro USB tipo B, 1280X720, per l'installazione		
Obiettivo	Lunghezza focale (rapporto di zoom)	2.8~12mm(4.3x) Varifocale motorizzato	3.9~9.4mm(2.4x) Varifocale motorizzato	5.2~62.4mm(Ottico 12X)
	Apertura max diaframma	1.4(Ampio) ~ 3.6(Tele)	F1,3	1.6(Ampio) ~ 3.0(Tele)
	Campo di visualizzazione angolare	H: 119.5°, V: 62.8°, D: 142.1° H: 27.9°, V: 15.7°, D: 32.0°	H: 92.1°, V: 67.2°, D: 119.9° H: 38.7°, V: 29.0°, D: 48.6°	H : 54.58°(Ampio) ~ 5.30°(Tele) / V : 32.19(Ampio) ~ 3.00°(Tele) / D : 61.40°(Ampio) ~ 6.06°(Tele)
	Distanza minima dagli oggetti	0,5m (1.64ft)		2,1m (6.89ft)
	Controllo messa a fuoco	Fuoco semplice (Motorizzato V/F) / Manuale - Controllo remoto tramite la rete (Manuale, Fuoco semplice)		Automatico / Manuale / AF uno scatto
	Obiettivo	DC Auto Iris, Iris F-No		DC Auto Iris
	Montaggio	Su piastra		
Panoramica / Inclinazione / Rotazione	Portata di panoramica/inclinazione/rotazione	0° ~ 354° / 0° ~ 67° / 0° ~ 355°		0° ~ 354° / 0° ~ 75° / 0° ~ 355°

Elementi		Descrizione		
		XNV-6080RS	XNV-8080RS	XNV-6120RS
Caratteristiche operative	IR Portata	50m(164.04ft)		70m(229.66ft)
	Titolo telecamera	Off / On (visualizzati fino a 85 caratteri) - W/W : Inglese/Numerico/Caratteri Speciali - Comune : Linea molteplice (Max 5), Colore (Grigio/Verde/Rosso/Blu/Nero/Bianco), Trasparenza, Ridimensiona automaticamente in base alla risoluzione		
	Giorno e notte	Auto (ICR) / Colore / B/N / Esterno / Pianificazione		
	Compensazione controlloce	Off / BLC / HLC(Mascheramento/Dimming) / WDR		
	Gamma dinamica ampia	150dB	120dB	150dB
	Aumento del contrasto	SSDR (Off / On)		
	Riduzione digitale del rumore	SSNR5 (filtro anti-rumore 2D + 3D) (Off / On)		
	Stabilizzazione dell'immagine digitale	Off / On		Off / On (Sensore gyro integrato)
	Sbrinamento	Auto/Manuale/Off		
	Rilevazione movimento	Off / On (8ea, zone poligonali 8 punti), Passaggio		
	Maschera privacy	Off / On (32ea, zone poligonali) - Colore: grigio, verde, rosso, blu, nero, bianco - Mosaico		
	Controllo guadagno	Off / Basso / Medio / Alto	Off / Basso / Medio / Alto / Manuale	Off / Basso / Medio / Alto
	Bilanciamento bianco	ATW / AWC / Manuale / Interno / Esterno (Mercurio & sodio incluso)		
	Contrast	Regolazione del livello		
	LDC	On/Off (5 livelli con Min/Max)		
	Velocità otturatore elettronico	Minimo / Massimo / Anti starfallio (2 ~ 1/12,000sec)		
	PTZ Digitale	24X, PTZ digitale (Predefinito, Gruppo)		24X
	Predefinito	-		300ea

Elementi		Descrizione		
		XNV-6080RS	XNV-8080RS	XNV-6120RS
Caratteristiche operative	Capovolgì / Speculare	Capovolgì : On/Off Specchio : On/Off Corridoio : 90°/270°		
	Analisi video e audio	Manomissione, gironzolare, rilevazione direzionale, rilevazione modo defocalizzazione, rilevazione nebbia, linea virtuale, ingresso/uscita, visualizzazione/scomparsa, rilevazione audio, rilevazione video, rilevazione movimento, tracciatura audio digitale, classificazione sonora		
	I/O Allarme	Ingresso 1ea / Uscita 1ea		
	Trigger allarme	Ingresso allarme, rilevazione movimento, analisi video e audio, disconnessione di rete		
	Eventi di allarme	• Caricamento file via FTP, E-mail • Notifica via e-mail • Stoccaggio locale (SD/SDHC/SDXC) o NAS registrazione anche se disconnessi dalla rete & Evento (Attivazione allarmi) • Uscita esterna • Predefinizione DPTZ		
	Conteggio dei Pixel	Assistenza		
Rete	Ethernet	RJ-45 (10/100BASE-T)		
	Formato di compressione video	H.265/H.264 (MPEG-4 Part 10/AVC) : Principale/Linea di base/Alto Movimento JPEG		
	Risoluzione	XNV-6080RS/XNV-6120RS : 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 XNV-8080RS : 2560x1920, 2560x1440, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240		
	Frequenza max fotogrammi	H.265/H.264 : Max. 60fps in tutte le risoluzioni Motion JPEG : Max. 30fps	H.265/H.264 : Max. 30fps in tutte le risoluzioni Motion JPEG : Max. 30fps	H.265/H.264 : Max. 60fps in tutte le risoluzioni Motion JPEG : Max. 30fps
	Codec intelligente	Modalità manuale (in base all'area: 5ea)		

Elementi		Descrizione		
		XNV-6080RS	XNV-8080RS	XNV-6120RS
Rete	WiseStream II	Assistenza		
	Regolazione qualità video	H.264/H.265 : Controllo livello bitrate target MJPEG : Controllo livello bitrate target		
	Metodo di controllo bitrate	H.264/H.265 : CBR o VBR Motion JPEG : VBR		
	Capacità di streaming	Streaming multiplo (fino a 10 profili)		
	Audio in entrata	Selezionabile (Mic IN/Linea IN) Tensione di alimentazione : 2,5VDC (4mA), impedenza in entrata : approx. 2K Ohm		
	Audio in uscita	Linea in uscita, Livello uscita max: 1Vrms		
	Formato di compressione audio	G.711 µ-law /G.726 selezionabile G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC : 48Kbps a 8/16/32/48KHz		
	Comunicazione audio	Bidirezionale		
	IP	IPv4, IPv6		
	Protocollo	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, 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)		
	Metodo di streaming	Unicast / Multicast		
	N° max di accessi utente	20 utenti in modo Unicast		

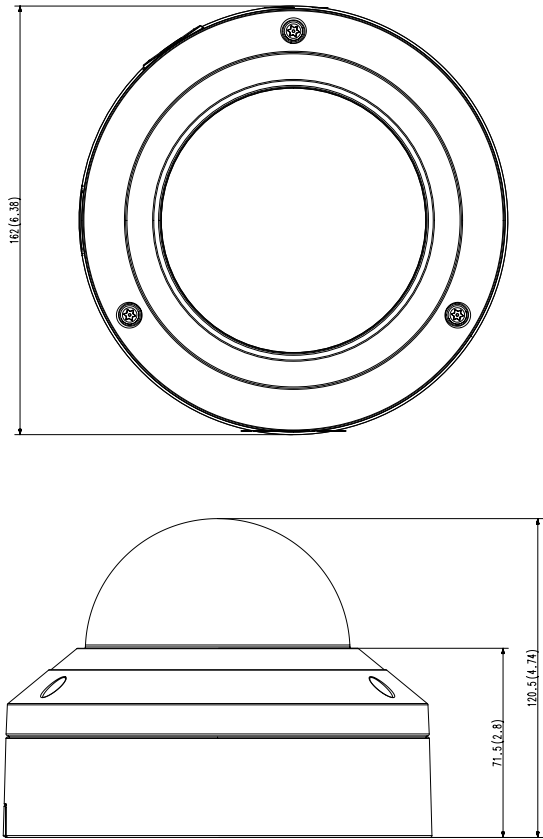
Elementi		Descrizione		
		XNV-6080RS	XNV-8080RS	XNV-6120RS
Rete	Stoccaggio dell'infrastruttura	SD/SDHC/SDXC 2slot (fino a 512 GB) - Registrazione continua (da primo slot a secondo slot) - È possibile scaricare le immagini di movimento registrate nella memory card SD/SDHC/SDXC. NAS(Network Attached Storage) PC locale per registrazione istantanea		
	Interfaccia per la programmazione dell'applicazione	ONVIF Profile S/G SUNAPI(HTTP API) Piattaforma aperta		
	Pagina web Lingua	Inglese, Coreano, Francese, Tedesco, Spagnolo, Italiano, Cinese, Russo, Giapponese, Svedese, Portoghese, Ceco, Polacco, Turco, Olandese, Ungherese, Greco		
	Visualizzatore Web	Sistema operativo supportato : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 Visualizzatore del web senza Plug-in Browser web supportati : Google Chrome, MS Edge, Mozilla Firefox (Windows 64-bit solo), Apple Safari 10 (Supportati soltanto in Mac OS X) Visualizzatore del web con Plug-in Browser web supportati : MS Explore 11, Apple Safari (Supportati soltanto in Mac OS X)		
	Software di gestione centrale	SmartViewer, SSM		
Caratteristiche ambientali	Temperatura / umidità di esercizio	-40°C ~ +55°C (-40°F ~ +131°F) / Umidità relativa inferiore al 90%RH		-40°C ~ +55°C (-40°F ~ +131°F) / Umidità relativa inferiore al 90% RH *Il prodotto deve essere avviato a temperature superiori a -35°C(-31°F)
	Temperatura / umidità di conservazione	-50°C ~ +60°C (-58°F ~ +140°F) / Umidità relativa inferiore al 90%RH		
	Ingress Protection	IP66, NEMA 4X		
	Protezione antivandalismo	IK 10+(50J)		

Elementi		Descrizione		
		XNV-6080RS	XNV-8080RS	XNV-6120RS
Caratteristiche elettriche	Tensione / corrente di ingresso	24VAC ± 10%, 12VDC ± 10%, PoE (IEEE802.3af)		
	Consumo	Max. 11.5W (12VDC), Max. 12.95W (PoE), Max. 14W (24VAC)		
Caratteristiche meccaniche	Colore / materiale	Argento/ SUS316L		
	Dimensioni (ØxH)	Ø 162 X H120.5mm (Ø6.38" x 4.74")		Ø 162 X H134.5mm (Ø6.38" x 5.3")
	Peso	2.8kg		2.7kg

PANORAMICA DEL PRODOTTO

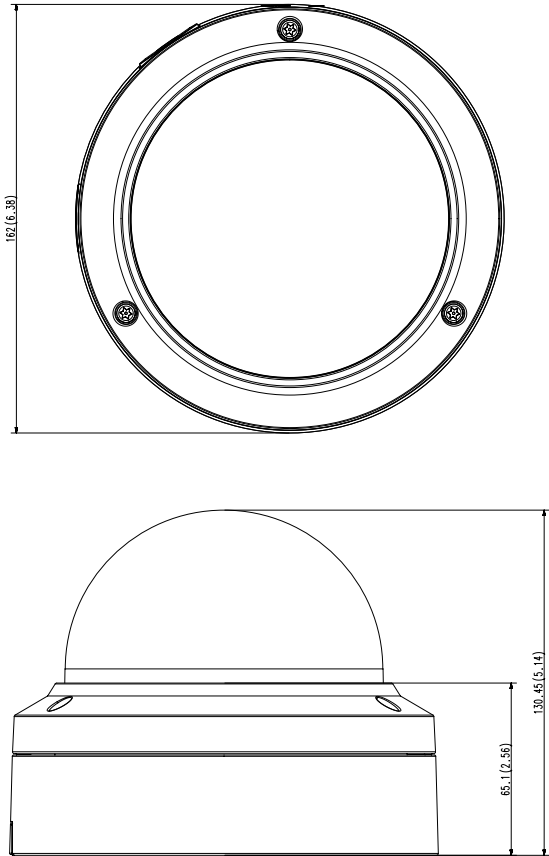
XNV-6080RS/XNV-8080RS

Unita: mm (pollici)



XNV-6120RS

Unita: mm (pollici)



RICERCA DEGLI ERRORI

PROBLEMA	SOLUZIONE
Quando un utente di Windows 10 accede al visualizzatore del web tramite Chrome o Firefox, il volume del suono del microfono cambia periodicamente.	Questo si verifica quando il driver del microfono è stato impostato su Realtek. Installare il dispositivo di Audio ad Alta definizione (Driver predefinito di Windows) oppure un driver di terze parti come driver per il microfono.
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 porta 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. - Se la videocamera è collegata a una rete PPPoE, è possibile per il visualizzatore da scollegare in scarse condizioni di rete.
La telecamera collegata alla rete non viene rilevata nel programma Device manager.	Spegnerne 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.

PROBLEMA	SOLUZIONE
La voce non viene registrata anche se le impostazioni di ingresso audio sono state configurate.	Selezionare la casella di spunta <Ingresso audio> da <Base> - <Profilo video>.
<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.
Nessun segnale sulla porta di emissione allarme anche quando viene generato un evento di analisi video intelligente.	Verificare le impostazioni della porta di uscita allarme.
Impossibile registrare sulla scheda di memoria Micro SD.	Verificare che la scheda di memoria non sia difettosa.
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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- Version 1.1

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It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

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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established by T-Engine Forum
on January 23, 2004
revised on June 17, 2004
revised on December 21, 2006
revised on March 24, 2009

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 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.
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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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bzip2- 1.0.6	Bzip2	http://www.bzip.org/

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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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La tutela dell'ambiente è molto importante per Hanwha Techwin, che ne tiene conto in ogni fase della fabbricazione dei suoi prodotti ed è alla ricerca costante di nuove soluzioni per fornire al cliente prodotti sempre più rispettosi dell'ambiente.

Il marchio Eco rappresenta la dedizione di Hanwha Techwin nel creare prodotti nel rispetto dell'ambiente e indica che il prodotto soddisfa la Direttiva EU RoHS.



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