RISCO
A LIFETIME OF SECURITY

VUpoint

Network Video Recorder

Models: RVNVR040020/ RVNVR324K1F / RVNVR04002P/ RVNVR080020/ RVNVR160020

EN FR IT ES

Installation Guide

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EN

Installation Guide

Safety Precautions

These instructions are intended to ensure that the user can use the product correctly to avoid danger or property loss.

WARNINGS:

- Installation or usage of this product that is not in accordance with the intended use as defined by the supplier and as described in the instructional materials can result in damage, injury, or death.
- Make sure this product is not accessible by children and those for whom operation of the system is not intended.
- All installation and operation should conform to your local electrical safety codes. The power shall conform to the requirement in the SELV (Safety Extra Low Voltage) and the Limited power source is rated 12V DC in the IEC60950-1.
- If the device is permanently connected to an electrical power supply, then the connection should include an easily-accessible disconnection device, such as a circuit breaker. Do not connect the two power supplying sources to the device at the same time; it may result in device damage!
- Do not ever attempt to repair your device by yourself, as doing so could result in damage, injury or death – always contact your installer / supplier agent for service.

CAUTIONS:

- Make sure the power supply voltage is correct before using the NVR.
- Do not drop the NVR or subject it to physical shock.
- To avoid heat accumulation, good ventilation is required for a proper operating environment.
- Keep the NVR away from water and any liquid.
- While shipping, the NVR should be packed in its original packing.

NOTE: We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation. We are not liable for any problems caused by unauthorized modification or attempted repair.

Introduction

Thank you for purchasing the RVNVR040020/ RVNVR04002P/ RVNVR080020/ RVNVR160020/ RVNVR324K1F Network Video Recorder.

This Quick Start Guide will help you become familiar with your NVR in a very short time.

Components and Accessories

NVR:

Installation Guide

4/16 Channel NVR Rear Panel Components

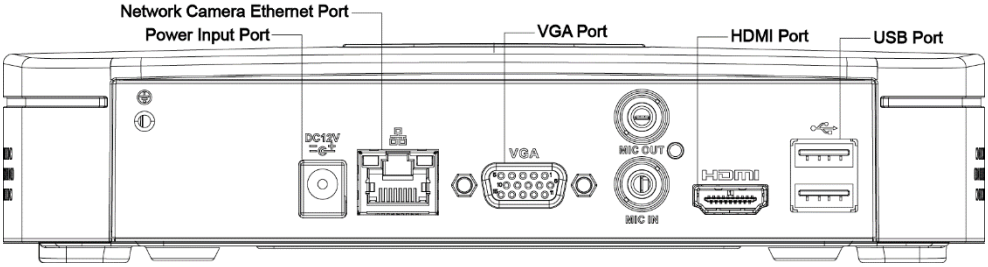

Figure 1 RVNVR040020/RVNVR160020 NVR Components

NOTE: For Australia/USA, the approved AC/DC adapter shall be used according to the country's regulations.

4 Channel PoE NVR Rear Panel Components

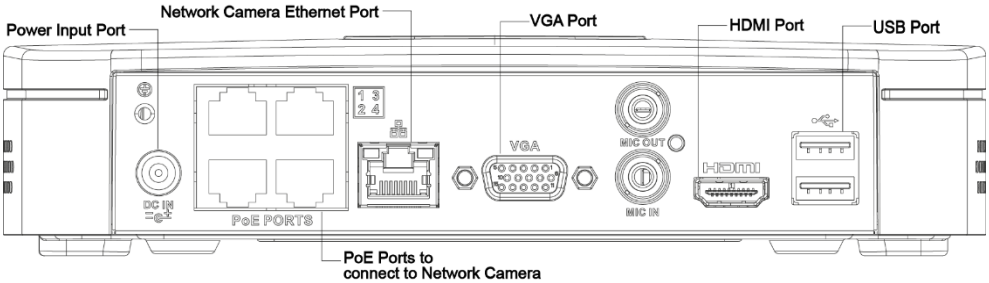

Figure 2 RVNVR04002P Components

NOTE: For Australia/USA, it is required to replace the AC power cable according to the country's regulations.

8 Channel PoE NVR Rear Panel Components

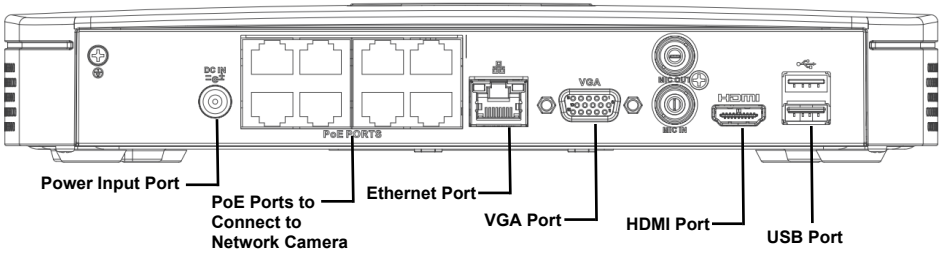

Figure 3 RVNVR080020 NVR Components

NOTE: For Australia/USA, the approved AC/DC adapter shall be used according to the country's regulations.

32 Channel NVR Rear Panel Components

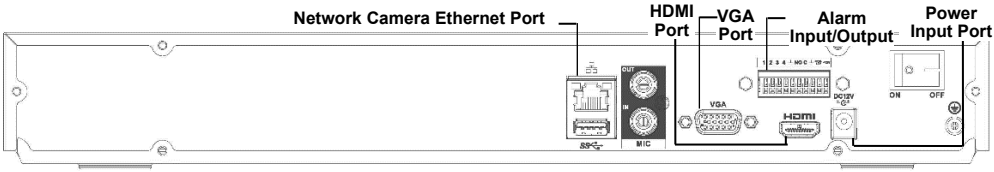

Figure 4 RVNVR324K1F NVR Components

NOTE: For Australia/USA, it is required to replace the AC power cable according to the country's regulations.

HDD Installation

DANGER

Shut down the device and then unplug the power cable before you open the case to replace the HDD!

All figures listed below are for reference only!

For first time installation, please check if the HDD was previously installed. Please use HDD of 7200rpm or higher.

4/16 Channel

① Loosen the screws on the bottom of the chassis.

② Align the HDD with the four holes in the bottom.

③ Turn the device upside down and then secure the screws (supplied) firmly.

④ Connect the Data cable and power cable to the HDD and the mainboard respectively.

⑤ Put back the cover and then attach the screws to the rear panel. The installation is complete.

32 Channel

① Loosen the screws on the rear panel and side panel.

② Align the HDD with the four holes in the bottom.

③ Turn the device upside down and then secure the screws (supplied) firmly.

④ Connect the Data cable and power cable to the HDD and the mainboard respectively.

⑤ Put back the cover and then attach the screws to the rear panel and side panel. The installation is complete.

NVRs and the RISCO Cloud Installer Application

The RISCO Cloud Installer Application provides an interface to your NVR. This enables you to add an NVR or edit an existing one.

IMPORTANT – An NVR must first be physically installed before adding the NVR to the system.

Adding an NVR

To add an NVR:

1. Log into the RISCO Cloud Installer Web Interface (for instructions, refer to the RISCO Cloud Quick Installer Guide).

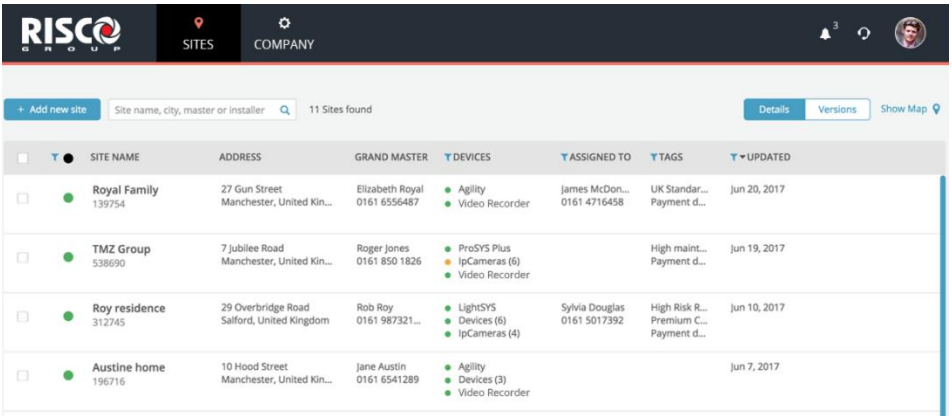

Figure 5 Sites List Page

2. From the Sites List page, select the Site you wish to add an NVR.
3. From the page that opens, click the IP CAMERAS Sub Tab and then the NVR Side Tab.

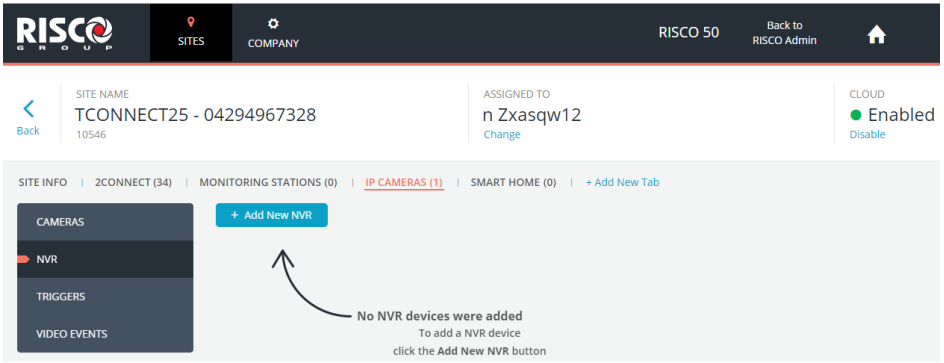

Figure 6 NVR Page

4. Click the Add New NVR button; the Add New NVR side panel opens.

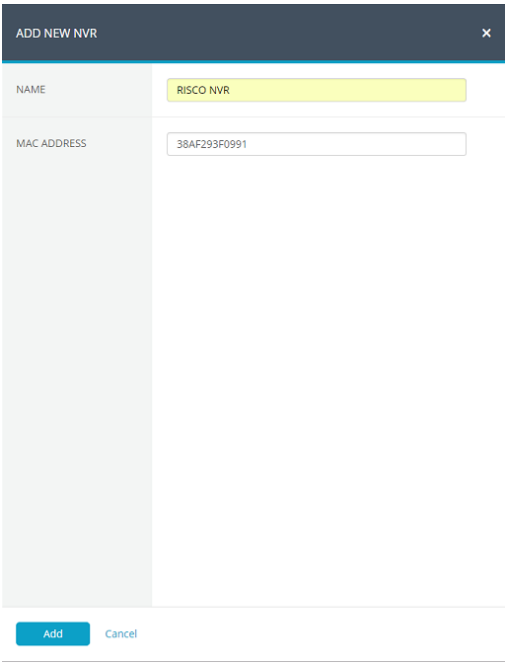

Figure 7 Add NVR Side Panel

5. Enter a name for the NVR.
6. Enter the MAC address of the NVR.
7. Click the Add button; the NVR will be added to the network.

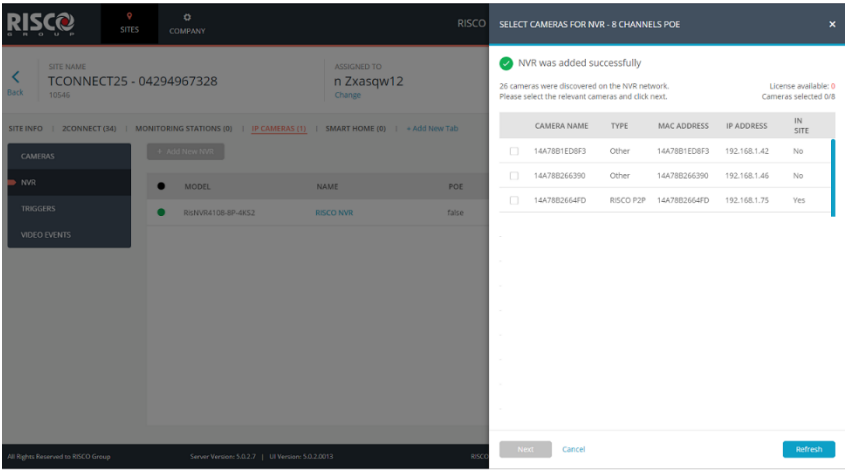

Figure 8 NVR Added

All the cameras that are connected to the NVR's LAN will be automatically detected and displayed on the side panel.

8. Select the boxes of the IP Cameras to be added to the NVR.

   NOTE: Only the IP Cameras in the list that are enabled can be added. In rare cases, when IP Cameras are on the same LAN and are connected to another site, they will be displayed but not enabled.

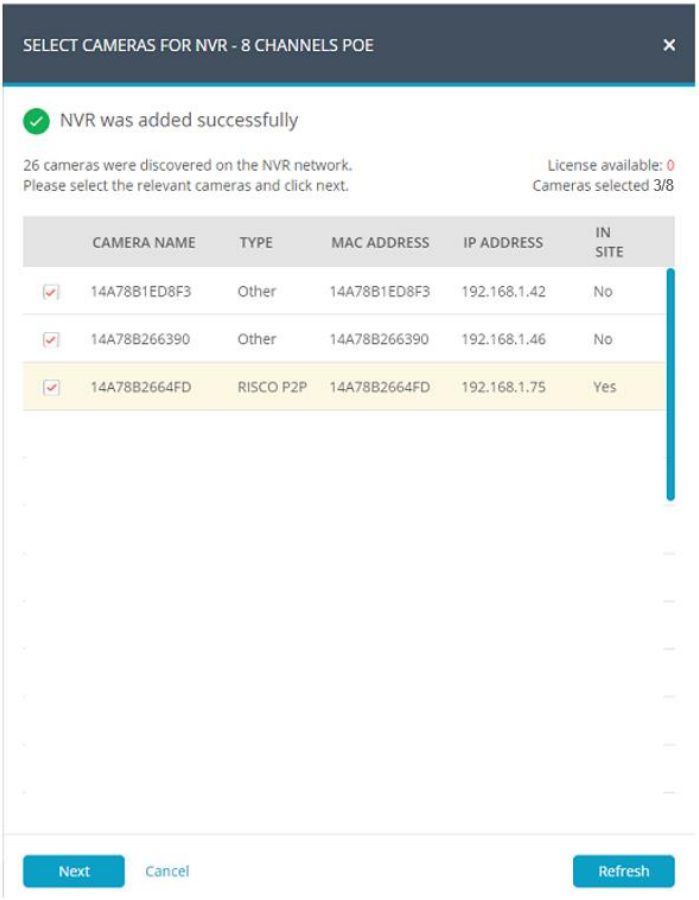

Figure 9 Select Camera for NVR

9. Click Next. A Wizard will guide you through the settings of each of the selected cameras. You can quit the Wizard at any stage.

   The Wizard screens contain mostly read-only information. For each camera you should select only the required recording mode.

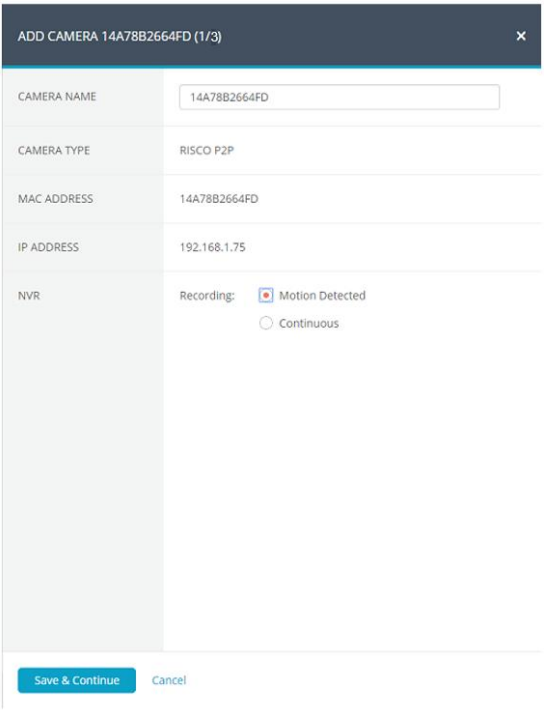

Figure 10 Add Camera

10. Recording Mode: If "Motion Detected" is selected, the NVR will record only if motion is detected by the camera. If continuous is selected, the camera will record continuously.
11. Click Save & Continue. Repeat the procedure for the other cameras until all cameras you have selected for the NVR are setup. The following screen provides a summary of the cameras that have been connected successfully or that failed to be connected to the NVR.
12. For Wi-Fi Cameras, the following screen opens.

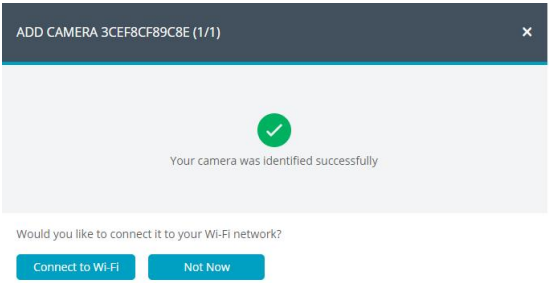

Figure 11 Connecting to Wi-Fi

13. Select the required network and then enter the password.

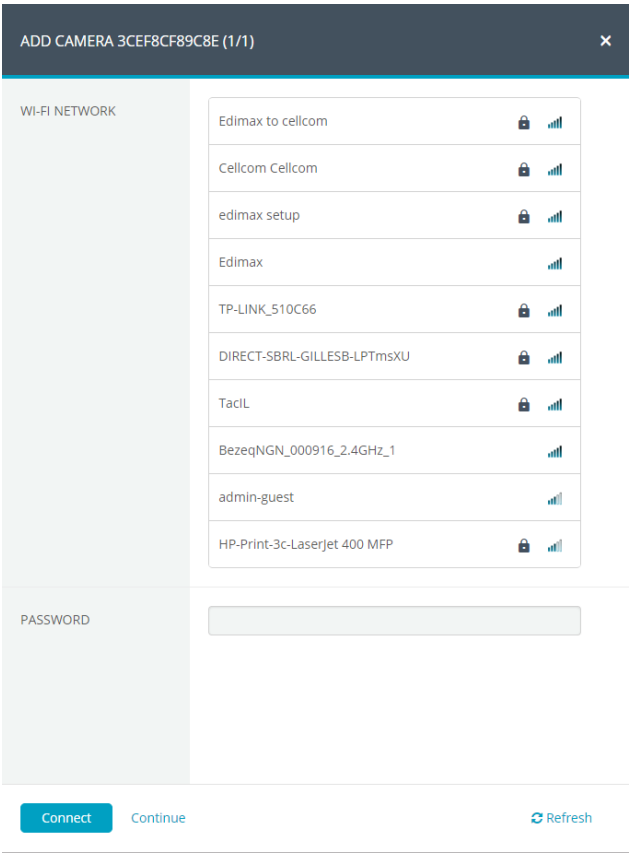

Figure 12 Selecting Wi-Fi network

14. Click Connect; the connect to Wi-Fi screen opens.

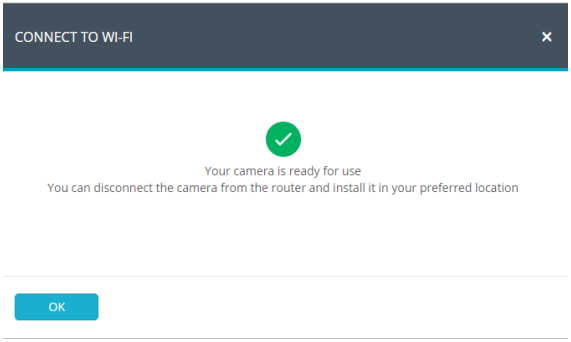

Figure 13 Connecting to Wi-Fi

15. Press OK.

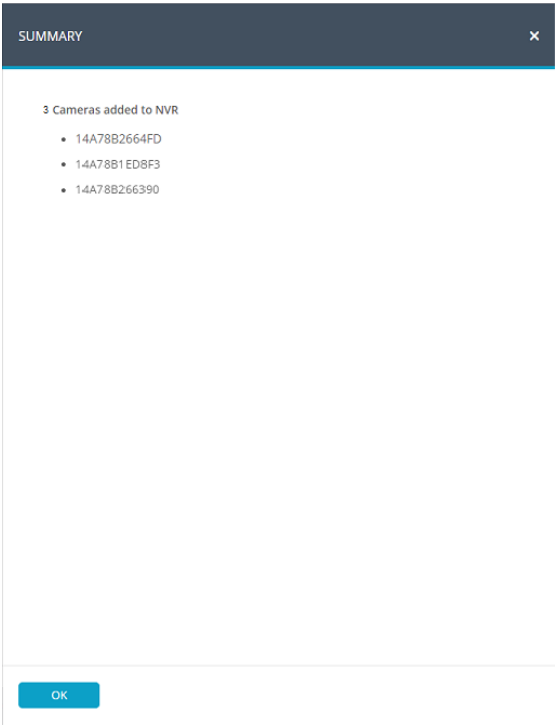

Figure 14 Summary of Cameras Added to NVR

16. The defined NVR is displayed in the NVR page and is now added to the site.

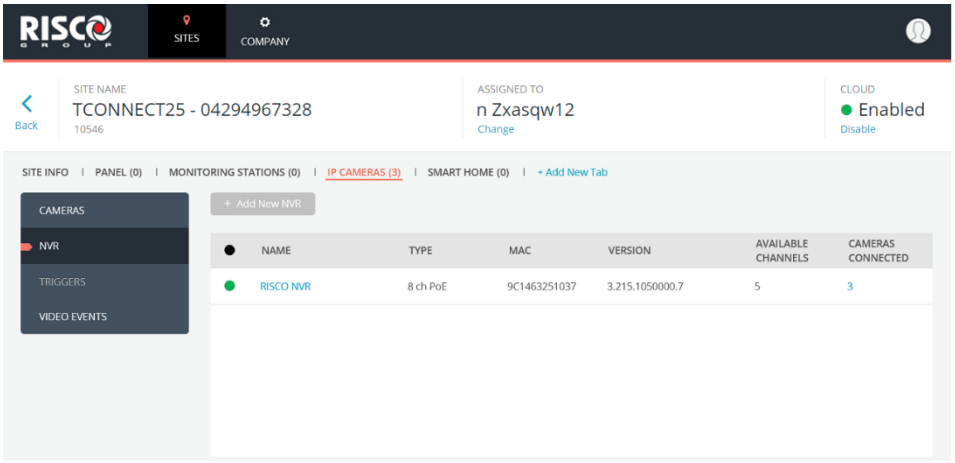

Figure 15 NVR Page

Editing an NVR

You can edit a selected NVR and add or remove cameras from the NVR.

To edit an NVR:

1. From the NVR page, click the NVR Name; the Edit NVR screen opens.

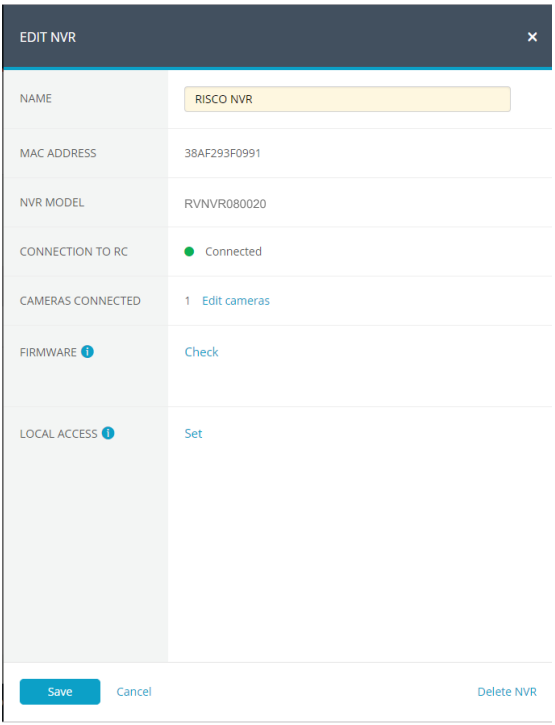

Figure 16 Edit NVR Screen

Field	Description
Name	Change the name of the NVR, if required
Firmware	Click Check to confirm if a new firmware version is available.
Local Access	Click Set and then select UI/CGI to enable access to the NVR's web interface for a time period of 60 minutes.

NOTE: You can delete the NVR from the site by clicking Delete NVR from the bottom right of the screen.

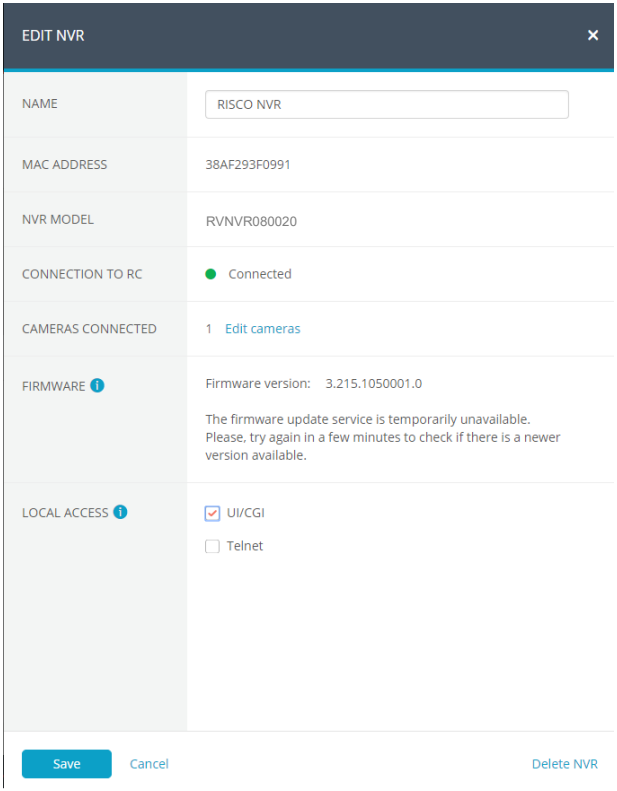

Figure 17 Edit NVR Settings

2. Click Save to save the current settings or click Edit Cameras to edit Site cameras; the Cameras list that appears provides information on the cameras that are connected to the NVR and the cameras that are on the NVR network but were not added to the NVR.

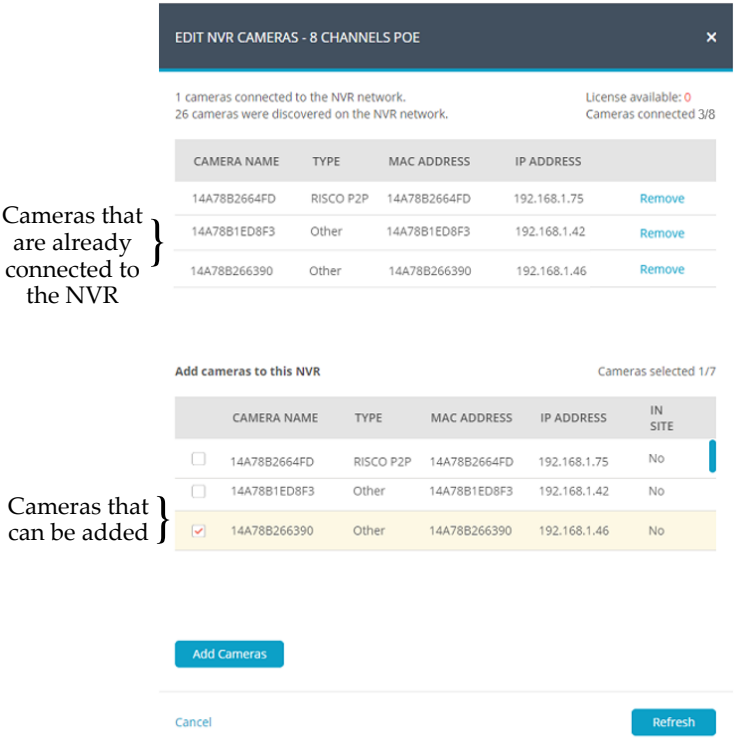

Figure 18 Edit NVR Cameras

3. If you wish to add a camera to the NVR, select the checkbox of the camera that you wish to add and click Add Cameras. The Add Camera side panel opens.

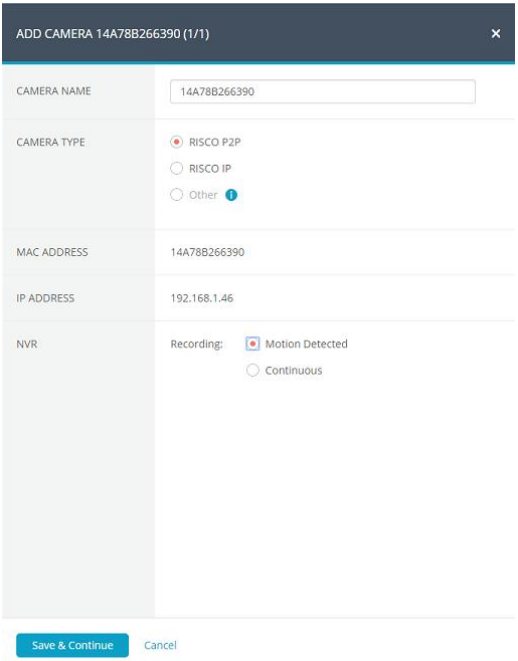

Figure 19 Add Camera

4. From the screen that opens, select the Camera Type and the Recording Mode. If "Motion Detected" is selected, the NVR will record only if motion is detected by the camera. If continuous is selected, the camera will record continuously.
5. After making your selection, click Save & Continue.

The following screen provides a summary of the cameras that have been newly added to the NVR.

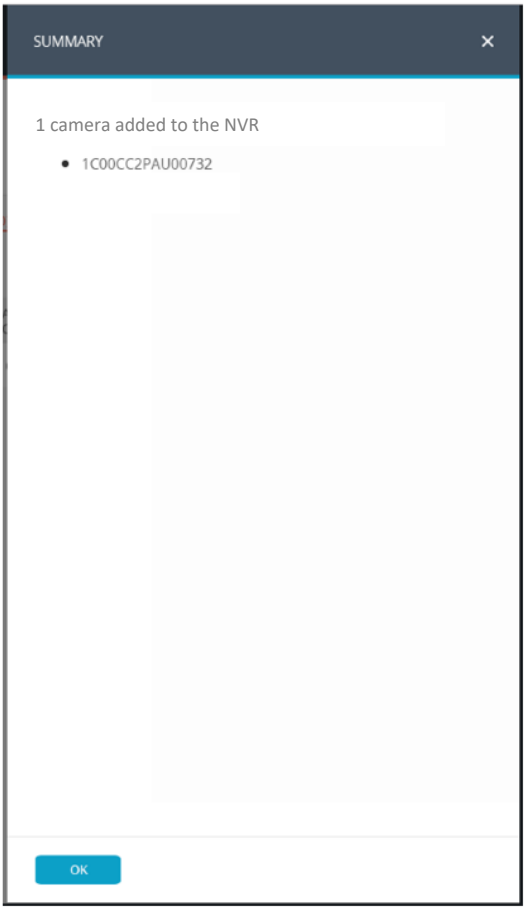

Figure 20 Cameras Added to NVR

6. Click OK.

Product Specification

Please refer to the following table for product performance specification.

Parameter		
System	**Main Processor**	Quad-core embedded processor
	OS	Embedded LINUX
Audio and Video	**IP Camera Input**	4/16/32 Channel, 4/8 Channel PoE
	Two-Way Talk	1 Channel Input, 1 Channel Output, RCA
Display	**Interface**	1 HDMI, 1 VGA
	Resolution	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720
		VGA: 1920×1080, 1280×1024, 1280×720
	Decoding Capacity	2ch@4K(30fps)/8ch@1080P(30fps)
	Multi-screen Display	4CH: 1/4
		8CH: 1/4/8/9
		16CH: 1/4/8/9/16
		32CH: 1/4/8/9/16/25/36
Recording	**Compression**	Smart H.265+/H.265/Smart H.264+/H.264
	Resolution	8Mp/ 6Mp/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.
	Record Rate	4/8/16CH: 80Mbps
		32CH: 200Mbps
	Bit Rate	16Kbps ~ 20Mbps Per Channel
	Record Mode	Continuous, Motion
	Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Playback and Backup	**Search Mode**	Time/Date
	Backup Mode	Smartphone, Network, USB
Network	**Interface**	1 RJ-45 Port (10/100Mbps)
	Ethernet Port	1 Independent 100Mbps Ethernet Port
	PoE	IEEE802.3at/af
	Smarthphone	IPhone, iPad, Android
	Interoperability	ONVIF 2.4, SDK, CGI

Parameter		
Storage	Internal HDD	4/8/16CH: 1 SATA III Port, Up to 6 TB capacity
		32CH: 2 SATA III Ports, Up to 6 TB capacity each
	HDD Mode	Single
Electrical	Power Supply	4/16CH: 12VDC/2A
		4CH PoE: 48VDC/53VDC, 1.25A/1.13A
		8CH PoE: 48VDC/53VDC, 2A/1.8A
		32CH: 12VDC/4A
	Power Consumption: 4/16/32 Channels	NVR: <7.5W (Without HDD)
		PoE: Max 25.5w for single port, 50w in total
	Power Consumption: 8 Channels	NVR: <8.3W (Without HDD)
		PoE: Max 25.5w for single port, 80w in total
Environmental	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Construction 4/16/32 Channel	Dimensions: 4/16 Channels	Smart 1U, 204.6mm×204.6mm×45.6mm (8.1" x 8.1" x 1.8")
	Net Weight: 4/16 Channels	0.45kg (0.99 lb) (without HDD)
	Gross Weight: 4/16 Channels	1.5kg(3.31 lb)(without HDD)
	Dimensions: 8 Channels	Smart 1U, 270mm×204.7mm×45.7mm (10.6" x 8.1" x 1.8")
	Net Weight: 8 Channels	0.65kg (1.43 lb) (without HDD)
	Gross Weight: 8 Channels	1.8kg (3.97 lb)(without HDD)
	Dimensions: 32 Channels	Smart 1U, 375mm×281mm×56mm (14.8" x 11.1" x 2.2")
	Net Weight: 32 Channels	1.6kg (3.5 lb) (without HDD)
	Gross Weight: 32 Channels	3.2kg (7.1 lb) (without HDD)
Certification	CE	EN55032, EN55024, EN50130-4, EN60950-1
	FCC	Part 15 Subpart B

UKCA and CE EMC Compliance Statement

Hereby, RISCO Group declares that this equipment is in compliance with the essential requirements of the UKCA Electromagnetic Compatibility Regulations 2016 and CE Directive 2014/30/EU.
For the UKCA and CE Declaration of Conformity please refer to our website: www.riscogroup.com.

A LIFETIME OF SECURITY

VUpoint

NVR

Enregistreur Vidéo Réseau

Modèles : RVNVR040020/ RVNVR324K1F/ RVNVR04002P/ RVNVR080020/ RVNVR160020

FR

Guide d'installation

Consignes de sécurité

Ces instructions permettent à l'utilisateur d'utiliser le produit correctement pour éviter tout danger ou toute perte matérielle.

MISES EN GARDE :

- Toute installation ou utilisation de ce produit non conforme avec les méthodes décrites dans la documentation et avec les instructions du fournisseur peut entraîner des dommages matériels, des blessures corporelles, voire la mort.
- Tenez ce produit hors de portée des enfants et des personnes auxquelles il n'est pas destiné.
- L'installation et l'utilisation doivent être conformes aux codes de sécurité électrique locaux. L'alimentation doit être conforme aux dispositions de la SELV (Safety Extra Low Voltage) ; la source d'alimentation limitée doit être de 12 V c.c. conformément à la norme IEC60950-1.
- Si ce produit est raccordé de façon permanente au réseau électrique, un dispositif de déconnexion facilement accessible, par exemple un disjoncteur, doit être mis en place. Veillez à ne pas connecter simultanément les deux sources d'alimentation à l'appareil, car cela risque d'endommager l'appareil.
- Ne tentez jamais de réparer vous-même cet appareil, car cela risque de provoquer des dommages matériels, des blessures, voire la mort. Veillez à toujours contacter votre installateur/fournisseur pour toute réparation.

AVERTISSEMENTS :

- Assurez-vous que la tension d'alimentation est correcte avant d'utiliser le NVR.
- Veillez à ne pas laisser tomber le NVR ni à le soumettre à des chocs physiques.
- Pour éviter l'accumulation de chaleur et assurer un environnement d'utilisation correct, une bonne ventilation est nécessaire.
- N'exposez pas le NVR à de l'eau ou à tout autre liquide.
- Lors du transport, le NVR doit être placé dans son emballage d'origine.

REMARQUE : nous déclinons toute responsabilité en cas d'incendie ou de choc électrique dû à une manipulation et/ou une installation incorrectes. Nous ne pouvons être tenus pour responsables en cas de problèmes causés par une modification ou une tentative de réparation non autorisée.

Introduction

Nous vous remercions d'avoir acheté l'enregistreur vidéo réseau (NVR) RVNVR040020/ RVNVR04002P/ RVNVR080020/ RVNVR160020/ RVNVR324K1F.

Ce guide de démarrage rapide vous permettra de vous familiariser rapidement avec votre NVR.

Composants et accessoires

NVR :

Guide d'installation

Composants du panneau arrière du NVR 4/16 canaux

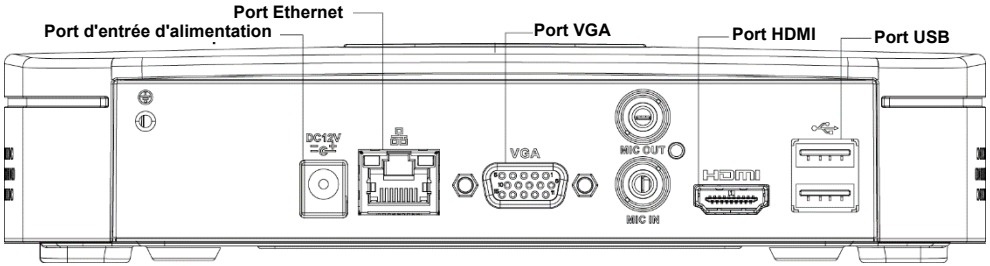

Figure 1 Composants du NVR RVNVR04/RVNVR16

Composants du panneau arrière du NVR 4 canaux PoE

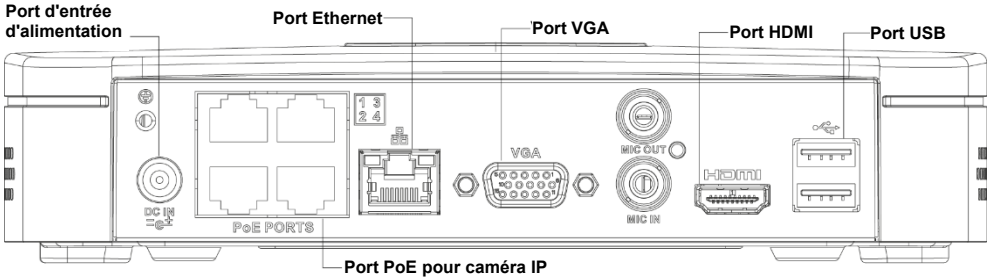

Figure 2 Composants du NVR RVNVR04002P

Composants du panneau arrière du NVR 8 canaux PoE

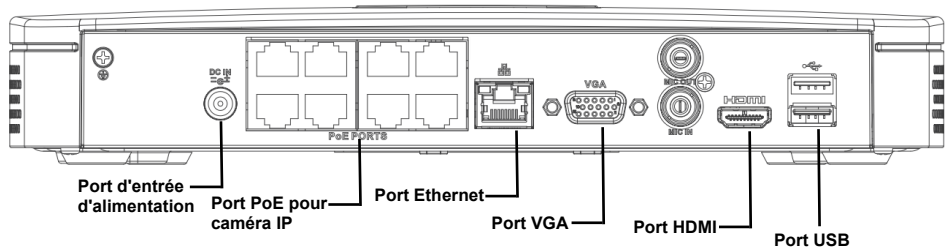

Figure 3 Composants du NVR RVNVR080020

Composants du panneau arrière du NVR 32 canaux

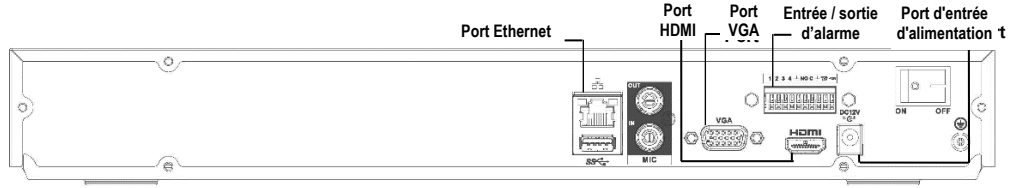

Figure 4 Composants du NVR RVNVR324K1F

Installation du disque dur

DANGER

Éteignez l'appareil et débranchez le câble d'alimentation avant d'ouvrir le boîtier pour remplacer le disque dur.

Toutes les figures ci-après sont fournies à titre indicatif uniquement.

Lors de l'installation initiale, vérifiez si le disque dur a préalablement été installé. Utilisez un disque dur de 7 200 rpm ou plus rapide.

① Desserrez les vis sous le châssis.

② Alignez le disque dur sur les quatre trous inférieurs.

③ Retournez l'appareil et serrez les vis fournies correctement.

④ Raccordez le câble de données et le câble d'alimentation au disque dur et à la carte mère, respectivement.

⑤ Remettez le couvercle en place et fixez les vis sur le panneau arrière. L'installation est terminée.

32 Channel

① Desserrez les vis sur le panneau arrière et le panneau latéral

② Alignez le disque dur sur les quatre trous inférieurs.

③ Retournez l'appareil et serrez les vis fournies correctement.

④ Raccordez le câble de données et le câble d'alimentation au disque dur et à la carte mère, respectivement.

⑤ Remettez le couvercle en place et fixez les vis sur le panneau arrière et le panneau latéral. L'installation est terminée.

NVR et Application Installateur RISCO Cloud

L'application Installateur RISCO Cloud fournit une interface pour que vous puissiez ajouter un NVR ou modifier un NVR existant.

IMPORTANT : il est impératif d'installer physiquement un NVR avant de l'ajouter au système.

Ajout d'un NVR

Pour ajouter un NVR :

1. Connectez-vous à l'interface Web de l'application Installateur RISCO Cloud (reportez-vous au Guide rapide de l'application Installateur RISCO Cloud).

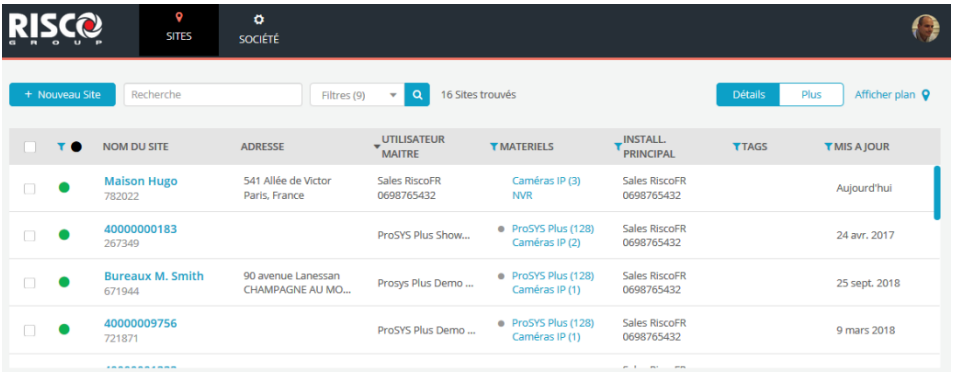

Figure 5 Page Liste des sites

2. Sur la page des sites, sélectionnez le site auquel ajouter un NVR.
3. Dans la page qui s'ouvre, cliquez sur le sous-onglet CAMÉRAS IP, puis sur l'onglet latéral NVR.

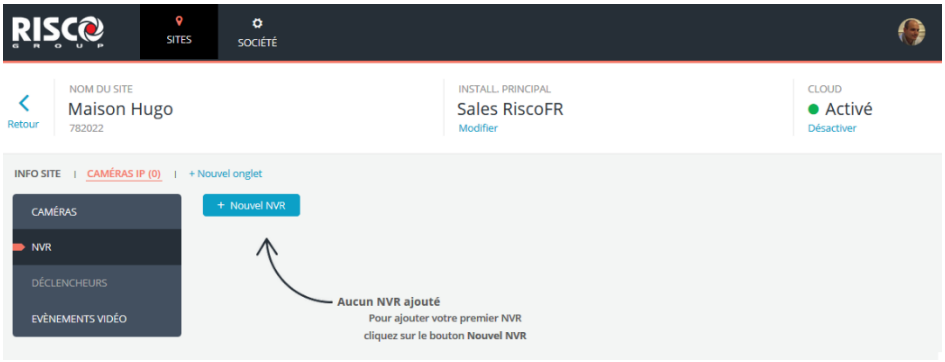

Figure 6 Page NVR

4. Cliquez sur le bouton Nouveau NVR ; la fenêtre correspondante s'ouvre.

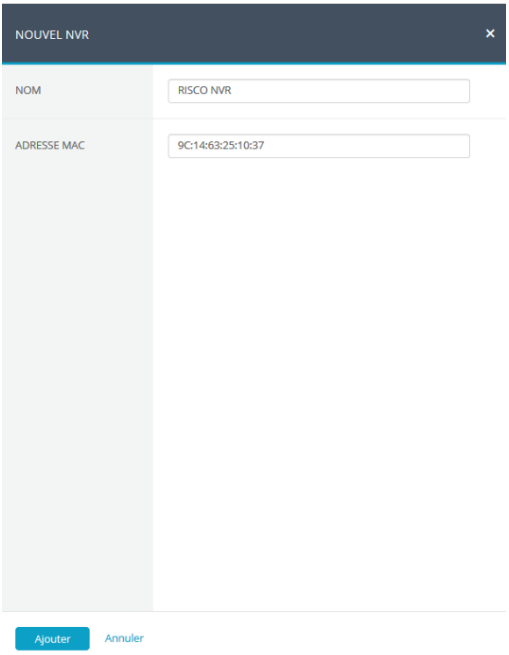

Figure 7 Fenêtre d'ajout d'un nouveau NVR

5. Saisissez le nom du NVR.
6. Saisissez l'adresse MAC du NVR.
7. Cliquez sur le bouton Ajouter ; le NVR est ajouté au réseau.

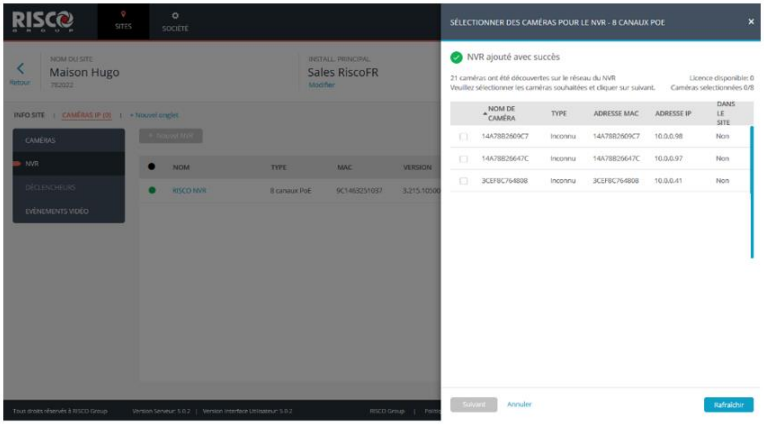

Figure 8 NVR ajouté

Toutes les caméras qui sont connectées au réseau LAN du NVR sont automatiquement détectées et s'affichent sur le panneau latéral.

8. Cochez les cases des caméras IP à ajouter au NVR.

REMARQUE : il est uniquement possible d'ajouter les caméras IP qui sont activées dans la liste. Dans de rares cas, lorsque les caméras IP se trouvent sur le même réseau LAN et sont connectées à un autre site, elles s'affichent mais ne sont pas activées.

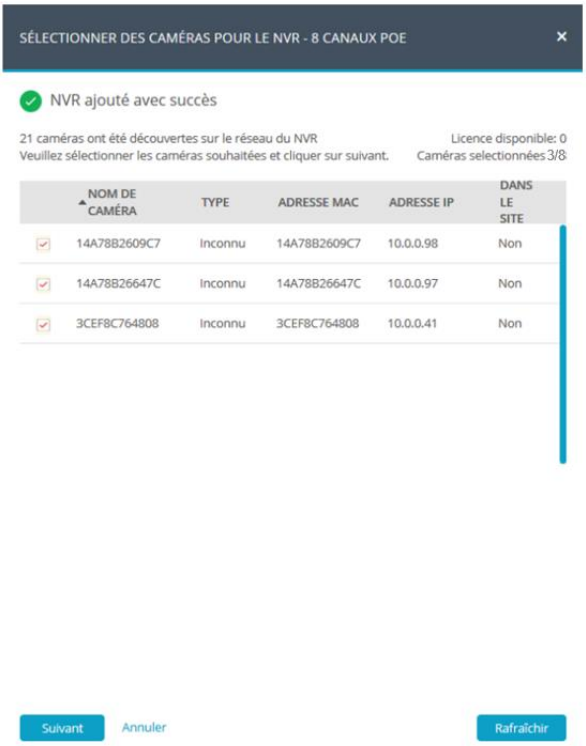

Figure 9 Sélection de caméra pour le NVR

9. Cliquez sur Suivant. Un assistant vous guide lors du paramétrage de chacune des caméras sélectionnées. Vous pouvez à tout moment quitter cet assistant.

   La plupart des informations contenues dans les écrans de l'assistant sont en lecture seule. Vous devez sélectionner le mode d'enregistrement correspondant à chaque caméra.

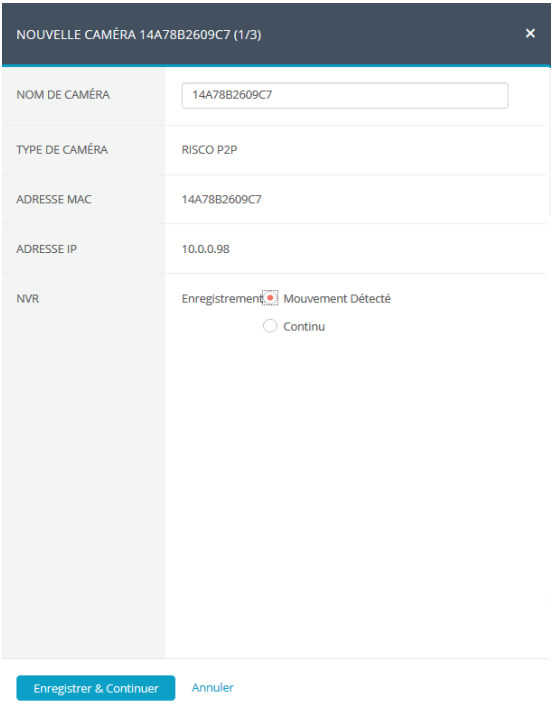

Figure 10 Ajout Caméra

10. Mode d'enregistrement : Si vous sélectionnez « Mouvement Détecté », le NVR enregistre uniquement si un mouvement est détecté par la caméra. Si vous sélectionnez « Continu », la caméra enregistre en continu.
11. Cliquez sur Enregistrer & Continuer. Répétez cette procédure pour les autres caméras jusqu'à ce que toutes les caméras sélectionnées pour le NVR soient configurées. L'écran suivant fournit un récapitulatif des caméras correctement connectées au NVR ou dont la connexion a échoué.
12. Pour les caméras Wi-Fi, l'écran suivant apparaît.

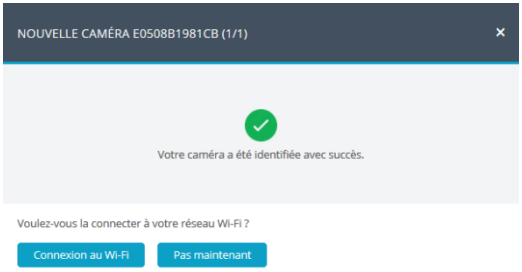

Figure 11 Connexion au Wi-Fi

13. Sélectionnez le réseau souhaité, puis saisissez le mot de passe.

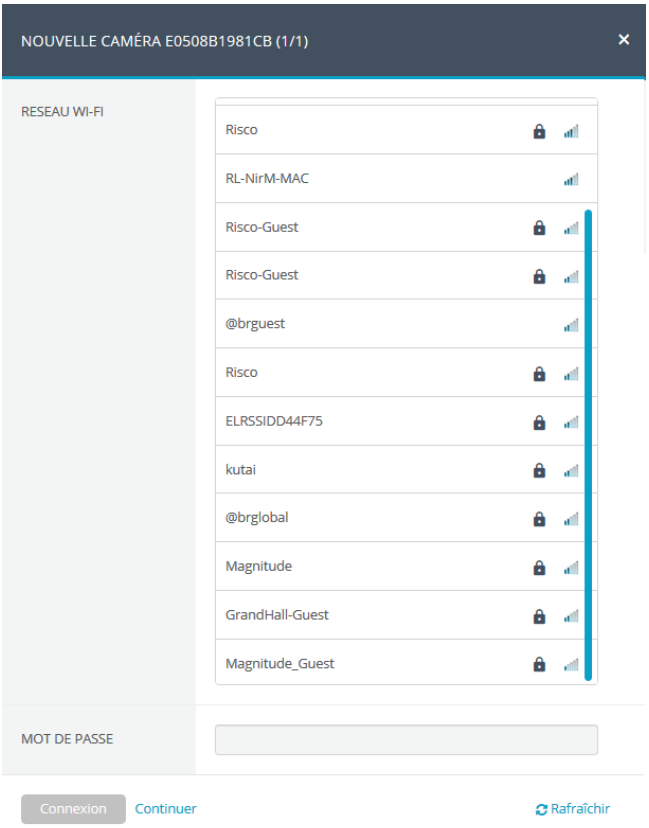

Figure 12 Sélection du réseau Wi-Fi

14. Cliquez sur Connexion ; l'écran de connexion au réseau Wi-Fi s'ouvre.

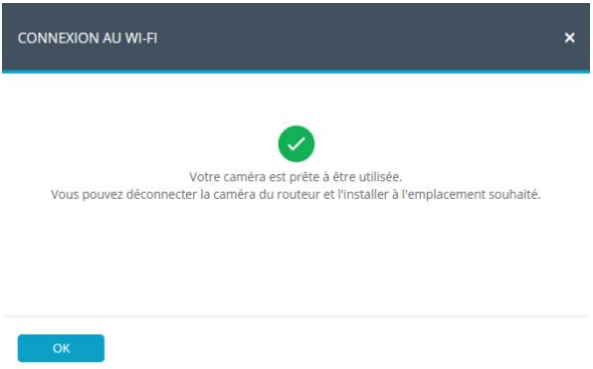

Figure 13 Connexion au Wi-Fi

15. Appuyez sur OK.

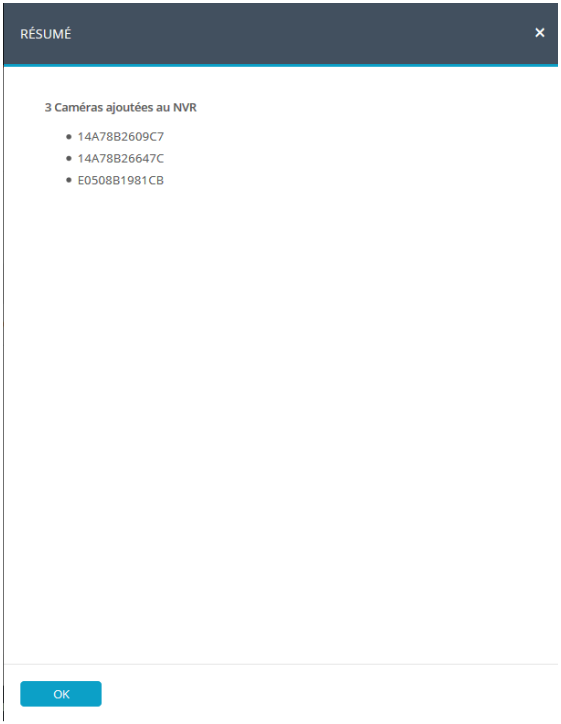

Figure 14 Récapitulatif des caméras ajoutées au NVR

16. Le NVR défini s'affiche dans la page NVR, et il est désormais ajouté au site.

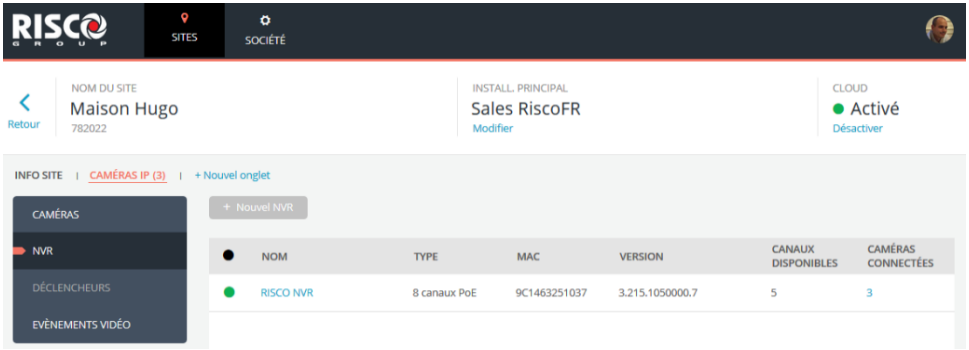

Figure 15 Page NVR

Modification d'un NVR

Vous pouvez modifier un NVR sélectionné et ajouter ou supprimer des caméras du NVR.

Pour modifier un NVR :

1. Dans la page NVR, cliquez sur le nom du NVR ; l'écran d'édition du NVR s'affiche.

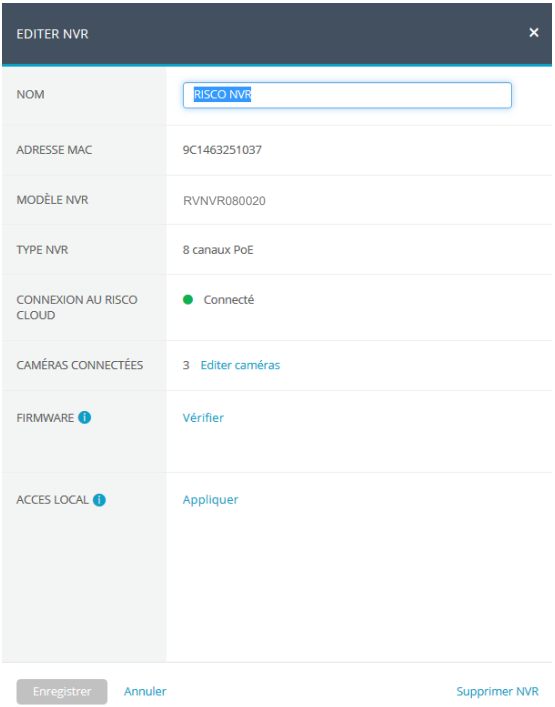

Figure 16 Écran de modification de NVR

Champ	Description
Nom	Modifiez le nom du NVR, si nécessaire.
Firmware	Cliquez sur Vérifier pour vérifier si une nouvelle version du firmware est disponible.
Accès local	Cliquez sur Appliquer, puis sélectionnez UI/CGI pour activer l'accès à l'interface Web du NVR pour une durée de 60 minutes.

REMARQUE : vous pouvez supprimer le NVR du site en cliquant sur le bouton Supprimer NVR situé dans la partie inférieure droite de l'écran.

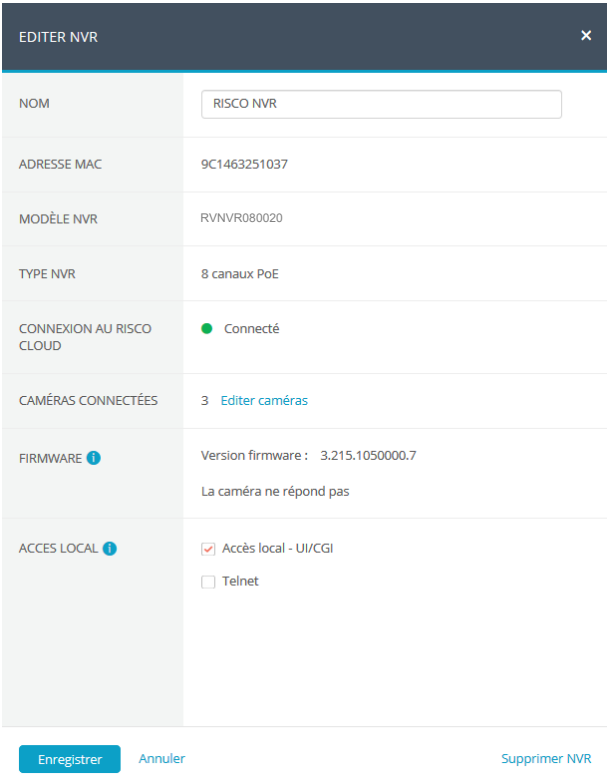

Figure 17 Modification des paramètres du NVR

2. Cliquez sur Enregistrer pour enregistrer les paramètres ou cliquez sur Editer caméras pour modifier les caméras du site ; la liste des caméras qui s'affiche fournit des informations sur les caméras connectées au NVR et sur les caméras qui sont sur le réseau du NVR, mais qui n'ont pas été ajoutées au NVR.

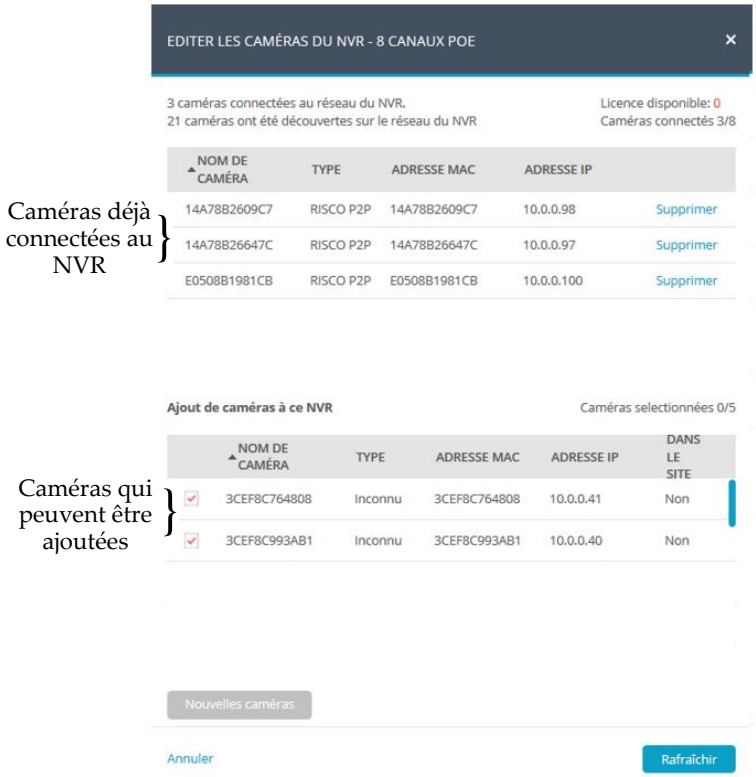

Figure 18 Modification des caméras du NVR

3. Si vous souhaitez ajouter une caméra au NVR, cochez la case de la caméra que vous souhaitez ajouter et cliquez sur Ajouter les caméras. La fenêtre d'Ajout de Caméra s'ouvre.

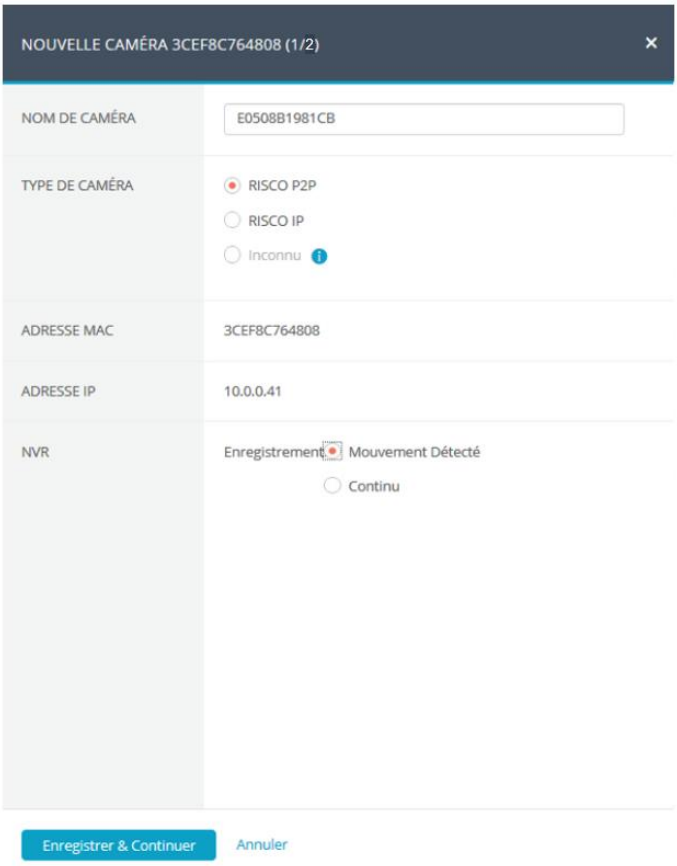

Figure 19 Ajout Caméra

4. Dans l'écran qui s'affiche, sélectionnez le type de caméra et le mode d'enregistrement. Si vous sélectionnez « Mouvement Détecté », le NVR enregistre uniquement si un mouvement est détecté par la caméra. Si vous sélectionnez Continu, la caméra enregistre en continu.
5. Une fois vos sélections effectuées, cliquez sur Enregistrer & Continuer.

L'écran suivant fournit un récapitulatif des caméras nouvellement ajoutées au NVR.

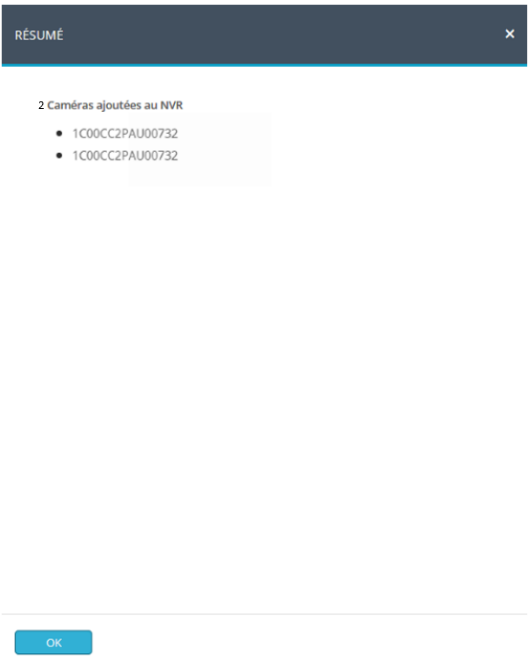

Figure 20 Caméras ajoutées au NVR

6. Cliquez sur OK.

Spécifications du produit

Reportez-vous au tableau suivant pour connaître les spécifications de performance du produit.

Paramètre		
Système	**Processeur principal**	Processeur quatre cœurs intégré
	Système d'exploitation	LINUX
Audio et vidéo	**Entrées caméra IP**	4/16/32 canaux, 4/8 canaux PoE
	Audio bidirectionnel	Entrée 1 canal, sortie 1 canal, RCA
Affichage	**Interface**	1 HDMI, 1 VGA
	Résolution	HDMI : 3 840 × 2 160, 1 920 × 1 080, 1 280 × 1 024, 1 280 × 720
		VGA : 1 920 × 1 080, 1 280 × 1 024, 1 280 × 720
	Capacité de décodage	2 canaux @ 4K (30 ips)/8 canaux @ 1080P (30 ips)
	Affichage multi-écrans	4CH : 1/4
		8CH : 1/4/8/9
		16CH : 1/4/8/9/16
		32CH : 1/4/8/9/16/25/36
Enregistrement	**Compression**	Smart H.265+/H.265/Smart H.264+/H.264
	Résolution	8 MP/ 6 MP/ 5 MP/ 4 MP/ 3 MP/ 1 080 P/ 1,3 MP/ 720 P, etc.
	Débit d'enregistrement	4/8/16CH : 80 Mbit/s
		32CH : 2000 Mbit/s
	Débit binaire	16 Kbit/s ~ 20 Mbit/s par canal
	Mode d'enregistrement	Continu, Mouvement
	Intervalle d'enregistrement	1 ~ 120 min (par défaut : 60 min), Pré-enregistrement : 1 ~ 30 s, Post-enregistrement : 10 ~ 300 s
Lecture et sauvegarde	**Mode de recherche**	Heure/Date
	Mode de sauvegarde	Smartphone, Réseau, USB
Réseau	**Interface**	1 port RJ-45 (10/100 Mbit/s)
	Port Ethernet	1 port Ethernet indépendant 100 Mbit/s
	PoE	IEEE802.3at/af

Paramètre		
	Smarthphone	iPhone, iPad, Android
	Interopérabilité	ONVIF 2.4, SDK, CGI
Stockage	**Disque dur interne**	4/8/16CH : 1 port SATA III, capacité maximale 6 To
		32 CH : 2 ports SATA III, capacité maximale 6 To chacun
	Mode du disque dur	Simple
Électriques	**Alimentation**	4/16CH : 12 V c.c./2 A
		4CH PoE : 48 V c.c./53 V c.c., 1,25 A /1,13 A
		8CH PoE : 48 V c.c./53 V c.c., 2 A /1,8 A
		32CH : 12 V c.c./4 A
	Consommation : 4/16/32 canaux	NVR : < 7,5 W (sans disque dur)
		PoE : Max. 25,5 W port unique, 50 W au total
	Consommation : 8 canaux	NVR : < 8,3 W (sans disque dur)
		PoE : Max. 25,5 W port unique, 80 W au total
Environnementale	**Conditions de fonctionnement**	-10 °C ~ +55 °C (+14 °F ~ +131 °F), 86 ~ 106 kpa
	Conditions de stockage	-20 °C ~ +70 °C (-4 °F ~ +158 °F), HR 0 ~ 90 %
Construction 4/16/32 canaux	**Dimensions : 4/16 canaux**	Smart 1U, 204,6 mm × 204,6 mm × 45,6 mm (8,1" x 8,1" x 1,8")
	Poids net : 4/16 canaux	0,45 kg (0,99 lb) (sans disque dur)
	Poids brut : 4/16 canaux	1,5 kg (3,31 lb) (sans disque dur)
	Dimensions : 8 canaux	Smart 1U, 270 mm × 204,7 mm × 45,7 mm (10.6" x 8.1" x 1.8")
	Poids net : 8 canaux	0,65 kg (1,43 lb) (sans disque dur)
	Poids brut : 8 canaux	1,8 kg (3,97 lb) (sans disque dur)
	Dimensions : 32 canaux	Smart 1U, 375 mm × 281 mm × 56 mm (14.8" x 11.1" x 2.2")
	Poids net : 32 canaux	1,6 kg (3,5 lb) (sans disque dur)
	Poids brut : 32 canaux	3,2 kg (7,1 lb) (sans disque dur)
Certification	**CE**	EN55032, EN55024, EN50130-4, EN60950-1
	FCC	Partie 15 Sous partie B

Déclaration de Conformité de EMC

Par la présente, RISCO Group, déclare cet équipement est en conformité aux conditions essentielles et à d'autres dispositions appropriées de la directive 2014/30/EU.

Vous pouvez trouver la copie complète de la déclaration de conformité à la directive 2014/30/EU sur notre site web, à l'adresse suivante : www.riscogroup.com

A LIFETIME OF SECURITY

VUpoint

Network Video Recorder

Modelli: RVNVR040020/ RVNVR324K1F/ RVNVR04002P/ RVNVR080020/ RVNVR160020

IT

Guida all'Installazione

Precauzioni per la Sicurezza

Queste istruzioni hanno lo scopo di garantire che l'utente possa utilizzare correttamente il prodotto per evitare pericoli o malfunzionamenti che lo possano danneggiare anche fisicamente.

AVVERTENZE:

- L'installazione o l'utilizzo di questo prodotto che non è conforme all'uso previsto dal fornitore e come descritto nei materiali didattici può causare danni, lesioni o morte.
- Assicurarsi che questo prodotto non sia accessibile ai bambini e a coloro per i quali non è previsto il funzionamento del sistema.
- Tutte le operazioni di installazione e funzionamento devono essere conformi ai codici di sicurezza elettrici locali. La potenza deve essere conforme ai requisiti del SELV (Safety Extra Low Voltage) e la sorgente di alimentazione limitata a una tensione nominale di 12V DC (IEC60950-1).
- Se il dispositivo è permanentemente collegato a una fonte di alimentazione elettrica, la connessione deve includere un dispositivo di disconnessione facilmente accessibile, come un interruttore di circuito. Non collegare contemporaneamente le due fonti di alimentazione al dispositivo; potrebbe causare danni allo stesso!
- Non tentare mai di riparare il dispositivo da soli, poiché ciò potrebbe causare danni, lesioni o morte. Per l'assistenza contattare sempre il proprio installatore / fornitore.

PRECAUZIONI:

- Prima di utilizzare l'NVR assicurarsi che la tensione di alimentazione sia corretta.
- Non far cadere l'NVR o sottoporlo a vibrazioni elevate.
- Per evitare surriscaldamenti dell'apparato, è necessaria una buona ventilazione e un ambiente operativo adeguato.
- Tenere l'NVR lontano da acqua e liquidi.
- Per la spedizione, l'NVR deve essere imballato nella sua confezione originale.

NOTA: Non ci assumiamo alcuna responsabilità per eventuali incendi o scosse elettriche causate da una manipolazione o installazione impropria. Non siamo responsabili per eventuali problemi causati da modifiche non autorizzate o tentativi di riparazione.

Introduzione

Grazie per aver acquistato il videoregistratore RISCO modello RVNVR040020/ RVNVR04002P/ RVNVR080020/ RVNVR160020/ RVNVR324K1F.

Questa guida rapida ti aiuterà a familiarizzare con il tuo nuovo NVR in pochissimo tempo.

Componenti e Accessori

NVR:

Guida all'Installazione

NVR a 4/16 Canali Vista Posteriore

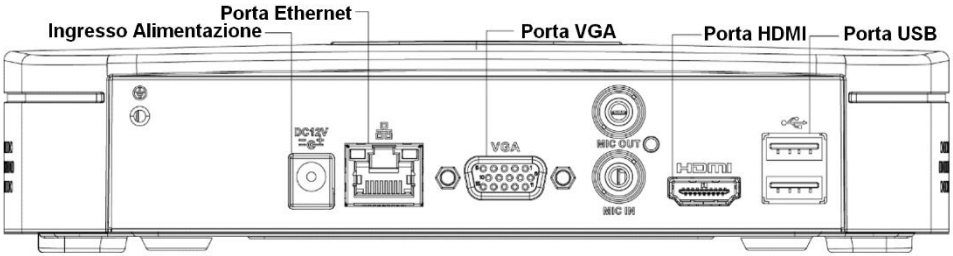

Figura 1 RVNVR04/RVNVR16 Ingressi/Connessioni

NVR a 4 Canali PoE Vista Posteriore

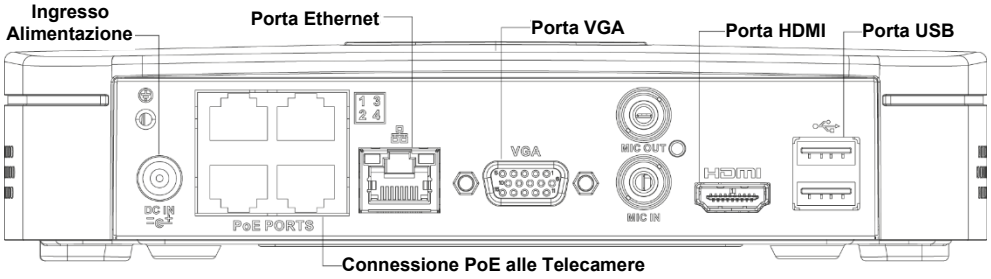

Figura 2 RVNVR04002P Ingressi/Connessioni

NVR a 8 Canali PoE Vista Posteriore

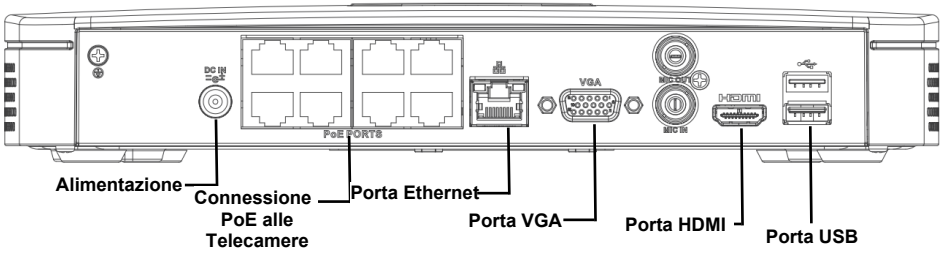

Figura 3 RVNVR08 Ingressi/Connessioni

NVR a 32 Canali Vista Posteriore

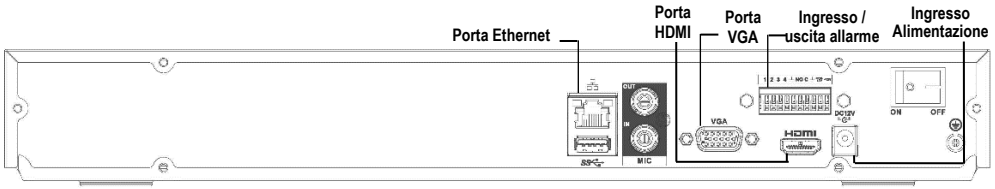

Figura 4 RVNVR324K1F Ingressi/Connessioni

Installazione Hard Disk

PERICOLO

Spegnere il dispositivo e scollegare il cavo di alimentazione prima di aprire il videoregistratore per Installare/sostituire l'Hard Disk!

Tutte le figure elencate di seguito sono solo di riferimento!

Durante la prima installazione, verificare se l'Hard Disk è stato precedentemente installato. Utilizzare solo HDD a 7200rpm o superiori.

4/16 Canali

① Rimuovere le viti sul fondo del contenitore e sul retro.

② Allineare l'Hard Disk con i quattro fori nella parte inferiore del contenitore.

③ Capovolgere il dispositivo e quindi fissare saldamente le viti (in dotazione).

④ Collegare il cavo dati e il cavo di alimentazione rispettivamente all'Hard Disk e alla scheda madre.

⑤ Rimontare il coperchio e quindi rimettere le viti sul pannello posteriore e sul retro. L'installazione è ora completa.

32 Canali

① Allentare le viti dei pannelli posteriore e laterale.

② Montare l'HDD con i quattro fori in basso.

③ Capovolgere l'unità e stringere le viti di fissaggio (incluse).

④ Collegare il cavo dati e quello di alimentazione all'HDD e alla scheda principale.

⑤ Riposizionare il coperchio e rimettere le viti del pannello posteriore e di quello laterale. L'installazione è completata.

NVR e RISCO Cloud Installatore

L'applicazione RISCO cloud Installatore fornisce l'interfaccia per configurare il proprio NVR. Ciò consente di aggiungere un NVR o modificarne uno esistente.

IMPORTANTE – Un NVR deve essere prima installato fisicamente sulla rete al fine di poterlo aggiungere al sistema.

Aggiungere un Videoregistratore di rete NVR

Per aggiungere l'NVR:

1. Accedere all'interfaccia Web del RISCO Cloud Installatore (per istruzioni, consultare la Guida all'installazione rapida del RISCO Cloud).

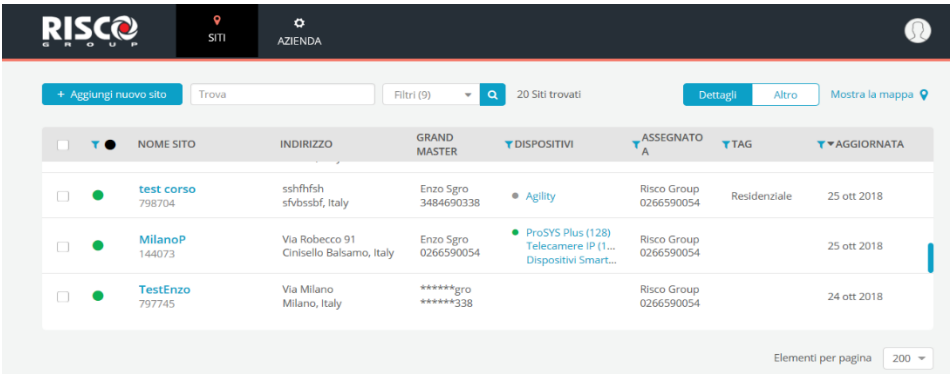

Figura 5 Pagina Elenco Siti

2. Dalla pagina Elenco siti, selezionare il Sito a cui si desidera aggiungere un NVR.
3. Dalla pagina che si apre, fare clic sulla sottocartella TELECAMERE IP e poi sulla scheda laterale NVR.

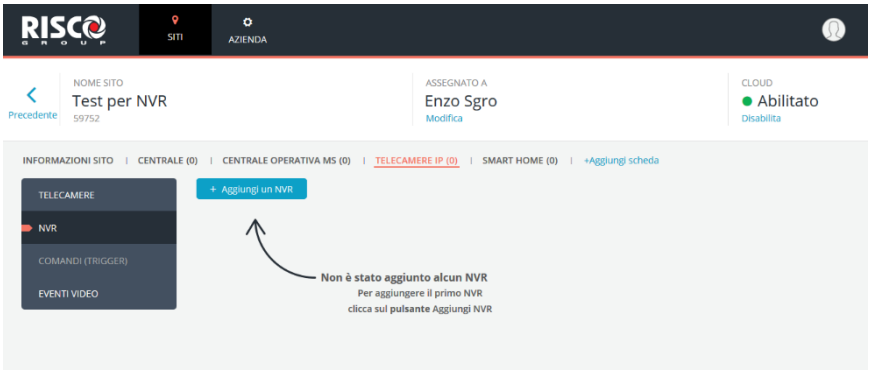

Figura 6 Pagina NVR

4. Fare clic sul pulsante Aggiungi nuovo NVR; Si apre la schermata Aggiungi un NVR.

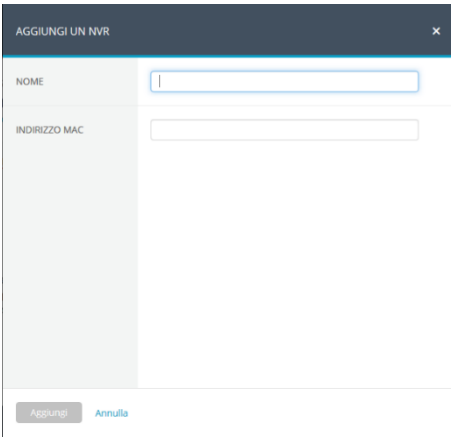

Figura 7 Aggiungi un NVR ad un sito

5. Inserire il Nome per l'NVR.
6. Inserire il MAC address dell'NVR.
7. Fai clic sul pulsante Aggiungi; l'NVR sarà aggiunto sul Cloud.

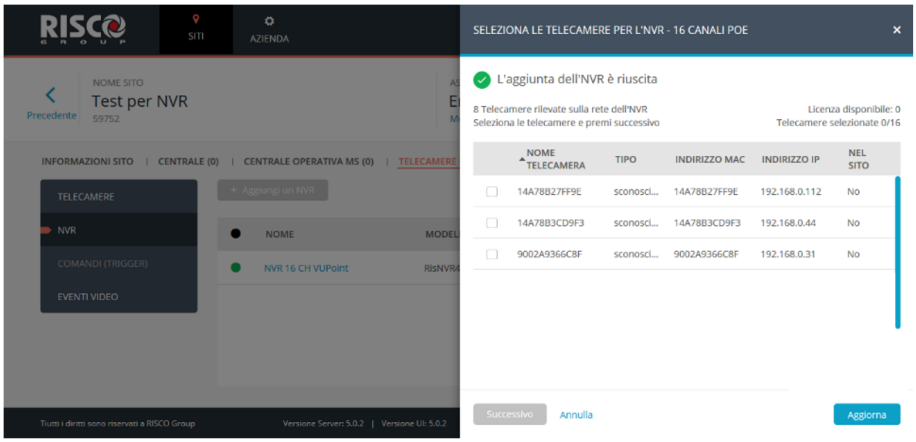

Figura 8 Aggiunta dell'NVR

Tutte le telecamere collegate alla LAN dell'NVR o direttamente sulle porte PoE, verranno automaticamente rilevate e visualizzate nel riquadro.

8. Selezionare il box in corrispondenza della/e telecamere IP da aggiungere all'NVR.

NOTA: È possibile aggiungere solo le telecamere IP visualizzate nell'elenco. In rari casi, quando le telecamere IP si trovano sulla stessa LAN e sono connesse a un altro sito, verranno visualizzate ma non abilitate ad essere connesse.

Figura 9 Selezione Telecamere per l'NVR

9. Fare Click su Successivo. Un Wizard ti guiderà attraverso le impostazioni di ciascuna delle telecamere selezionate. Si può uscire dal Wizard in qualsiasi momento. Le schermate della procedura guidata contengono principalmente informazioni di sola lettura. Per ogni telecamera è necessario selezionare solo la modalità di registrazione richiesta.

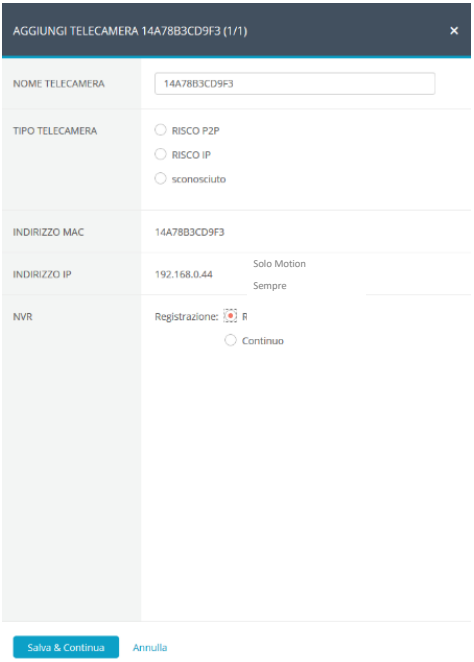

Figura 10 Aggiunta Telecamera

10. Modalità di Registrazione: Se è selezionato "Motion Detected", l'NVR registra solo se il movimento viene rilevato dalla telecamera. Se è selezionato Continuo, l'NVR registrerà la telecamera continuamente.
11. Cliccare su Salva & Continua. Ripetere la procedura per le altre telecamere fino a quando tutte le telecamere selezionate per l'NVR sono state configurate. La seguente schermata fornisce un riepilogo delle telecamere che sono state collegate correttamente o che non sono state collegate all'NVR.
12. Per le telecamere Wi-Fi, si apre la seguente schermata.

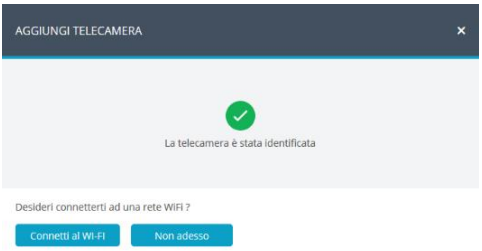

Figura 11 Connessione al Wi-Fi

13. Selezionare la rete richiesta e inserire la password.

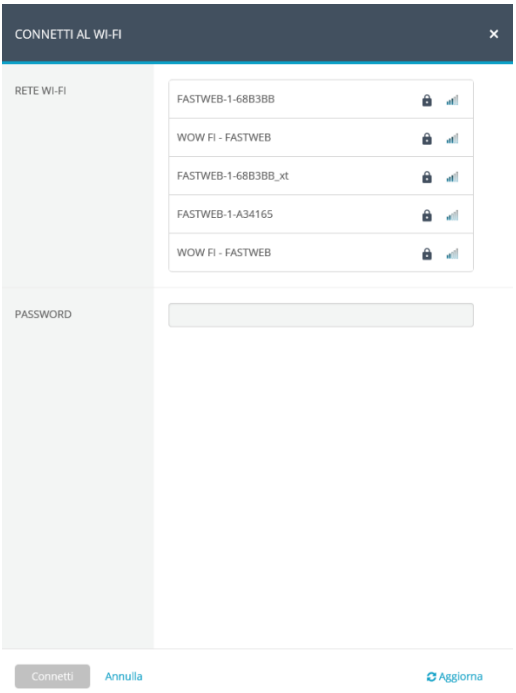

Figura 12 Selezione della rete WIFI

14. Cliccare su Connetti; si apre la schermata di connessione Wi-Fi.

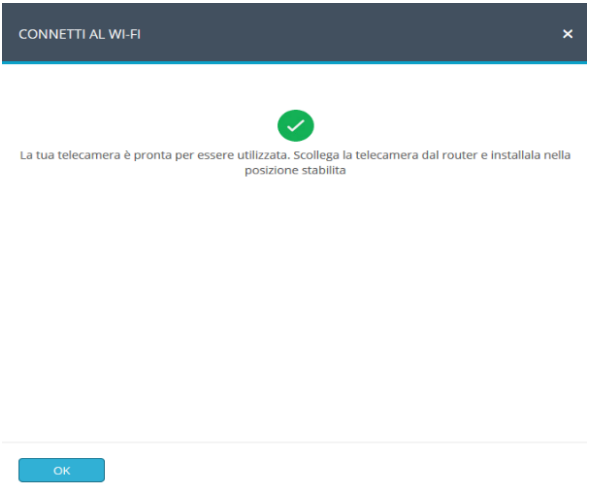

Figura 13 Connessione al Wi-Fi

15. Premere OK.

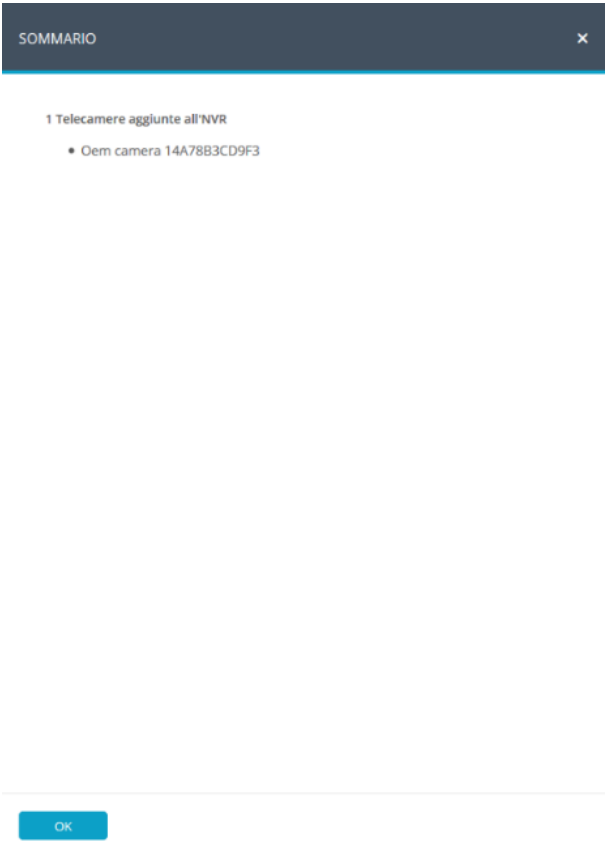

Figura 14 Sommario delle telecamere connesse all' NVR

16. L'NVR definito viene visualizzato nella pagina NVR e ora viene aggiunto al sito.

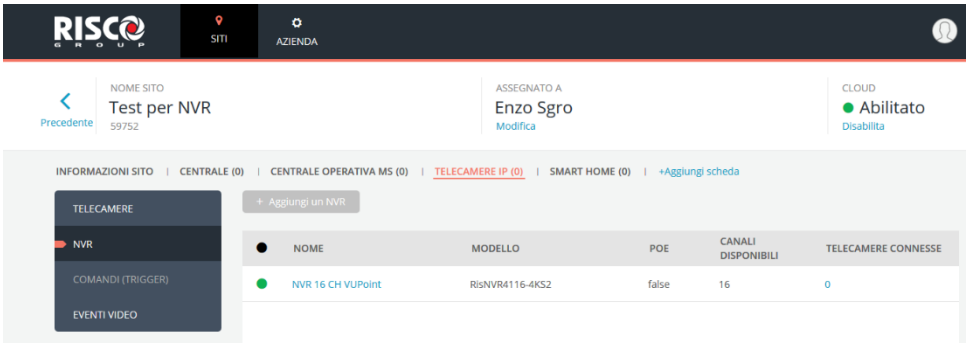

Figura 15 Pagina NVR

Modifiche sull'NVR

È possibile modificare un NVR selezionato aggiungendo o rimuovendo telecamere dallo stesso.

Per editare un NVR:

1. Dalla pagina NVR, fare clic sul Nome dell'NVR da modificare; si apre la schermata Modifica NVR.

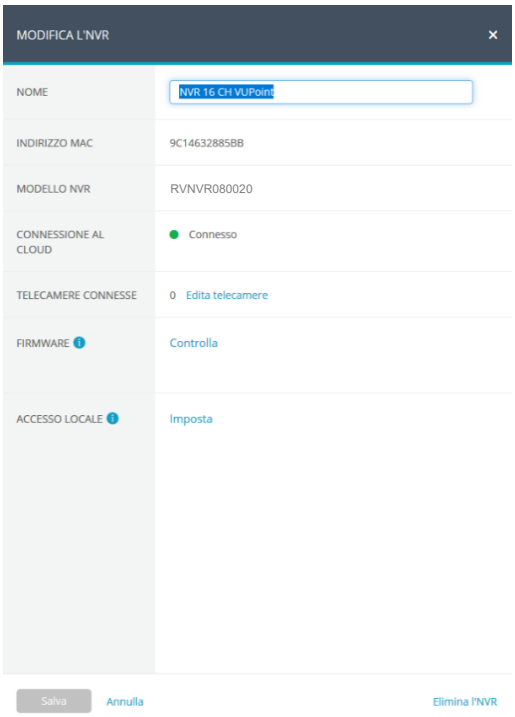

Figura 16 Maschera Editare NVR

Campo	Descrizione
Nome	Se necessario si può cambiare il nome dell'NVR
Firmware	Fare clic su Verifica per vedere se è disponibile una nuova versione di firmware.
Accesso Locale	Fare clic su Imposta, quindi selezionare UI / CGI per abilitare l'accesso all'interfaccia Web dell'NVR per un periodo di 60 minuti.

NOTA: È possibile eliminare l'NVR dal sito facendo clic su Elimina NVR in basso a destra dello schermo.

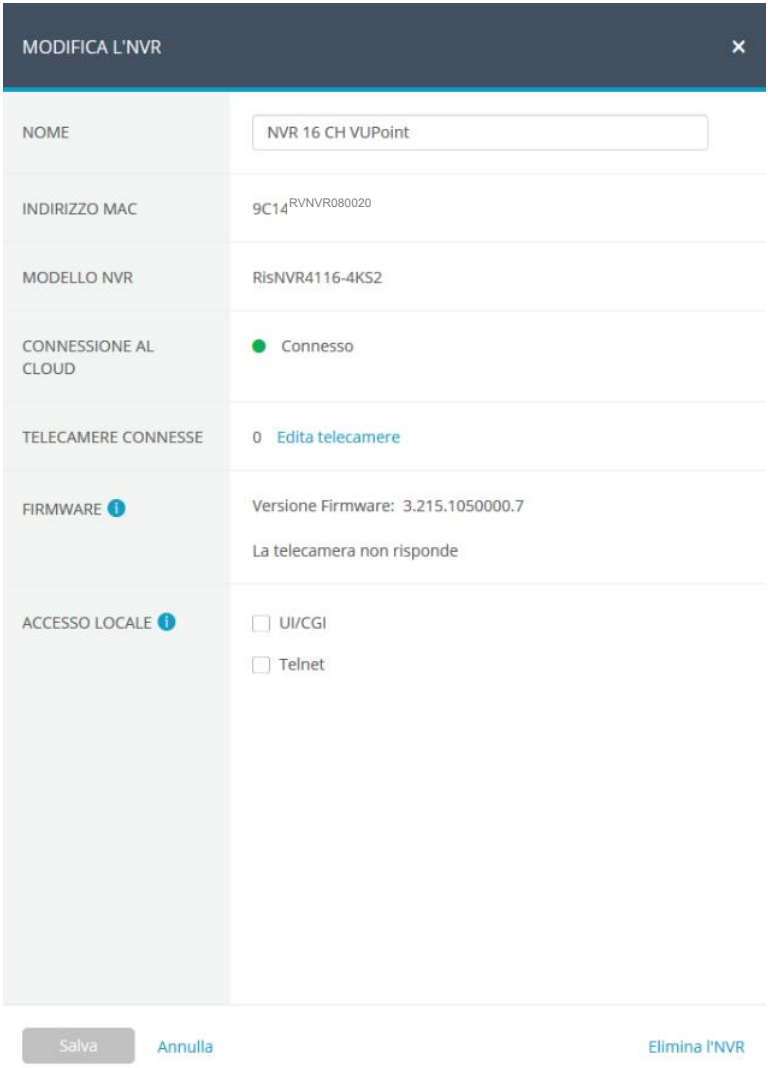

Figura 17 Editare i settaggi dell'NVR

2. Fare clic su Salva per salvare le impostazioni correnti o fare clic su Modifica telecamere per modificare le impostazioni delle telecamere del sito; l'elenco Telecamere che appare fornisce informazioni sulle telecamere che sono collegate all'NVR, sulle telecamere che si trovano sulla rete NVR e che non sono state aggiunte all'NVR.

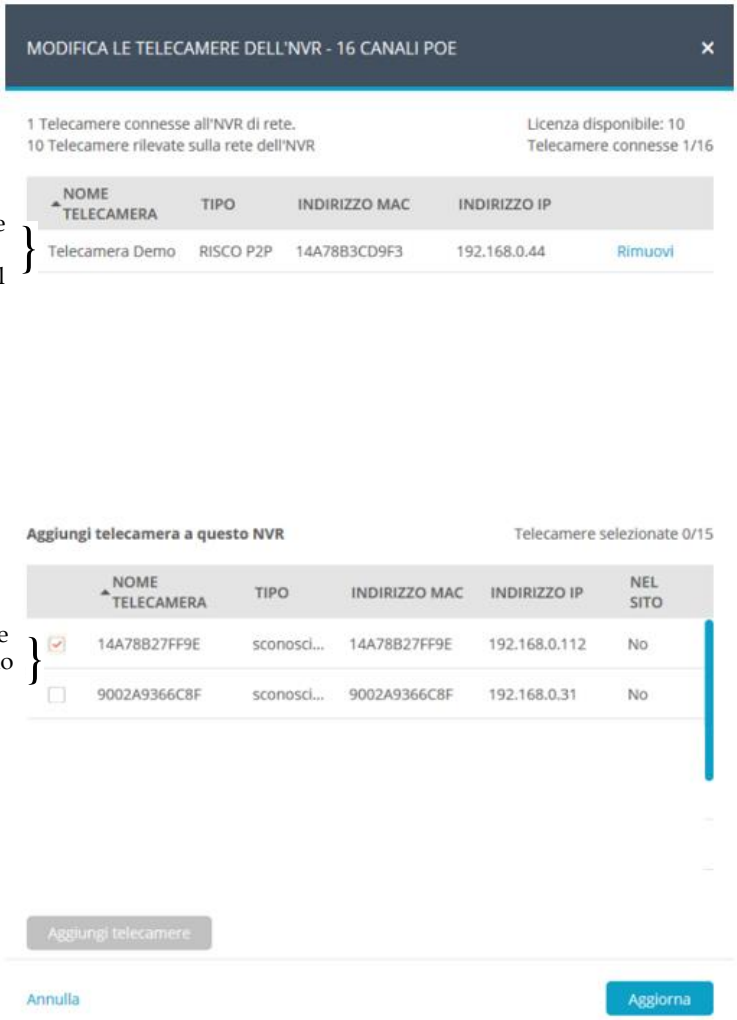

Figura 18 Editare le telecamere connesse al NVR

3. Se si desidera aggiungere una videocamera all'NVR, selezionare la casella di controllo della telecamera che si desidera aggiungere e fare clic su Aggiungi telecamere. Si apre la schermata laterale Aggiungi telecamera.

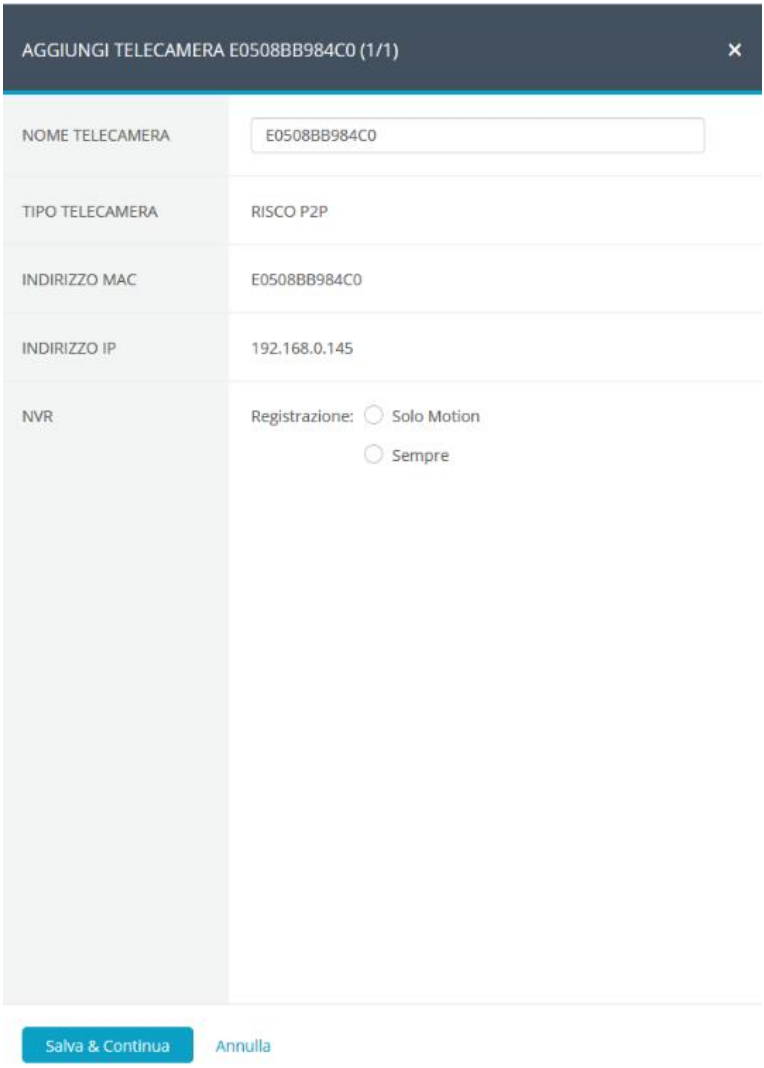

Figura 19 Aggiungi Telecamera

4. Dalla schermata che si apre, selezionare il Tipo di telecamera e la Modalità di registrazione. Se è selezionato "Motion Detected", l'NVR registra solo se il movimento viene rilevato dalla telecamera. Se è selezionato Continuo, la telecamera verrà registrata continuativamente.
5. Dopo aver effettuato la selezione, fai clic su Salva e continua.

La seguente schermata fornisce un riepilogo delle telecamere che sono state recentemente aggiunte all'NVR.

Figura 20 Telecamere aggiunte all'NVR

6. Cliccare su OK.

Specifiche Prodotto

Fare riferimento alla seguente tabella per le specifiche del prodotto.

Parametri		
Sistema	**Processore**	Processore Quad-core embedded
	OS	Embedded LINUX
Audio e Video	**Ingressi Telecamere IP**	4/16/32 Canali, 4/8 Canali PoE
	Audio Bidirezionale	1 Canale In, 1 Canale Out, RCA
Monitor	**Interfaccia**	1 HDMI, 1 VGA
	Risoluzione	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720
		VGA: 1920×1080, 1280×1024, 1280×720
	Capacità di Decodifica	2ch@4K(30fps)/8ch@1080P(30fps)
	Visualizzazione Multi-screen	4CH: 1/4
		8CH: 1/4/8/9
		16CH: 1/4/8/9/16
		32CH: 1/4/8/9/16/25/36
Registrazione	**Compressione**	Smart H.265+/H.265/Smart H.264+/H.264
	Risoluzione	8Mp/ 6Mp/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.
	Record Rate	4/8/16CH: 80Mbps
		32CH: 200Mbps
	Bit Rate	16Kbps ~ 20Mbps Per Channel
	Modo Registrazione	Continuo, Motion
	Intervallo Registrazione	1 ~ 120 min (default: 60 min), Pre-registrazione: 1 ~ 30 sec, Post-registrazione: 10 ~ 300 sec
Registrazione e Backup	**Mode di Ricerca**	Data e Ora
	Modo Backup	Smartphone, Network, USB
Network	**Interfaccia**	1 RJ-45 Port (10/100Mbps)
	Porta Ethernet	1 Independent 100Mbps Ethernet Port
	PoE	IEEE802.3at/af
	Smarthphone	IPhone, iPad, Android
	Interoperabilità	ONVIF 2.4, SDK, CGI

Parametri		
HDD	Hard Disk Interno	4/8/16CH: 1 SATA III Port, Capacità: fino a 6 TB
		32CH: 2 SATA III Porte, Capacità: fino a 6 TB ciascuna
	Modalità Hard Disk	Singolo
Elettrici	Alimentazione	4/16CH: DC12V/2A
		4CH PoE: DC48V/DC53V, 1.25A/1.13
		8CH PoE: DC48V/DC53V, 2A/1.8A
		32CH: DC12V/4A
	Consumi: 4/16/32 Canali	NVR: <7.5W (Senza HDD)
		PoE: Max 25.5w per singola Porta, 50w in totale
	Consumi: 8 Canali	NVR: <8.3W (Senza HDD)
		PoE: Max 25.5w per singola Porta, 80w in totale
Ambientali	Condizioni Operative	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
	Condizioni di Stoccaggio	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Dimensioni/Peso 4/16/8/32 Canali	Dimensioni: 4/16 Canali	Smart 1U, 204.6mm×204.6mm×45.6mm (8.1" x 8.1" x 1.8")
	Peso Netto: 4/16 Canali	0.45kg (0.99 lb) (Senza HDD)
	Peso Lordo: 4/16 Canali	1.5kg (3.31 lb)(Senza HDD)
	Dimensioni: 8 Canali	Smart 1U, 270mm×204.7mm×45.7mm (10.6" x 8.1" x 1.8")
	Peso Netto: 8 Canali	0.65kg (1.43 lb) (Senza HDD)
	Peso Lordo: 8 Canali	1.8kg (3.97 lb)(Senza HDD)
	Dimensioni: 32 Canali	Smart 1U, 375mm×281mm×56mm (14.8" x 11.1" x 2.2")
	Peso Netto: 32 Canali	1.6kg (3.5 lb) (Senza HDD)
	Peso Lordo: 32 Canali	3.2kg (7.1 lb)(Senza HDD)
Certificazioni	CE	EN55032, EN55024, EN50130-4, EN60950-1
	FCC	Part 15 Sub part B

Dichiarazione di Conformità EMC

La sottoscritta RISCO Group, dichiara sotto la propria responsabilità che questo prodotto è conforme ai requisiti essenziali e alle altre rilevanti disposizioni della Direttiva Europea 2014/30/EU.

Per le Dichiarazioni di Conformità CE, visitate il nostro sito web: www.riscogroup.com

A LIFETIME OF SECURITY

VUpoint

Grabador de vídeo en red (NVR)

Modelos: RVNVR040020/ RVNVR324K1F/ RVNVR04002P/ RVNVR080020/ RVNVR160020

ES

Guía de instalación

Precauciones de seguridad

Estas instrucciones están indicadas para asegurar que el usuario puede utilizar el producto correctamente para evitar daños personales o materiales.

ADVERTENCIAS:

- La instalación o el uso de este producto que no se realice de acuerdo con el uso indicado por el proveedor y, tal y como está descrito en las instrucciones, puede causar daños, lesiones o la muerte.
- Asegúrese de que no tienen acceso a este producto niños y aquellas personas para quienes no esté destinado el uso del sistema.
- Toda la instalación y la operativa debe ser conforme a sus normas de seguridad eléctrica. La alimentación debe cumplir con el requisito de tensión mínima de seguridad SELV (Safety Extra Low Voltage) y la fuente de alimentación limitada deberá tener un valor de 12 V CC según la norma IEC60950-1.
- Si el dispositivo está conectado permanentemente a la red eléctrica, la conexión debe incluir un dispositivo de desconexión de fácil acceso, por ejemplo, un interruptor. No conecte dos fuentes de alimentación al dispositivo a la vez, ya que puede ocasionar daños al dispositivo.
- No intente bajo ningún concepto reparar el dispositivo por su cuenta, ya que podría causar daños, lesiones o la muerte. Póngase siempre en contacto con su instalador o proveedor para resolver cualquier avería.

ATENCIÓN:

- Asegúrese de que el voltaje de la alimentación es el adecuado antes de usar el NVR.
- No deje caer el NVR ni lo someta a ningún tipo de impacto.
- Para evitar el sobrecalentamiento, se recomienda utilizar un entorno que disponga de una buena ventilación.
- Mantenga el NVR alejado de agua y otros líquidos.
- Durante su distribución, el NVR debe estar empaquetado en su embalaje original.

NOTA: no se asume ningún tipo de responsabilidad derivada de cualquier tipo de fuego o daño eléctrico o electrocución fruto de un manejo o instalación incorrectos. No se asume ningún tipo de responsabilidad causada por modificaciones o intentos de reparaciones no autorizadas.

Introducción

Gracias por haber comprado el grabador de vídeo en red (NVR) RVNVR040020/ RVNVR04002P/ RVNVR080020/ RVNVR160020/ RVNVR324K1F.

Esta guía rápida de inicio le ayudará a familiarizarse con su NVR en muy poco tiempo.

Componentes y accesorios

NVR:

Guía de instalación

Componentes del panel trasero de NVR 4/16 Canales

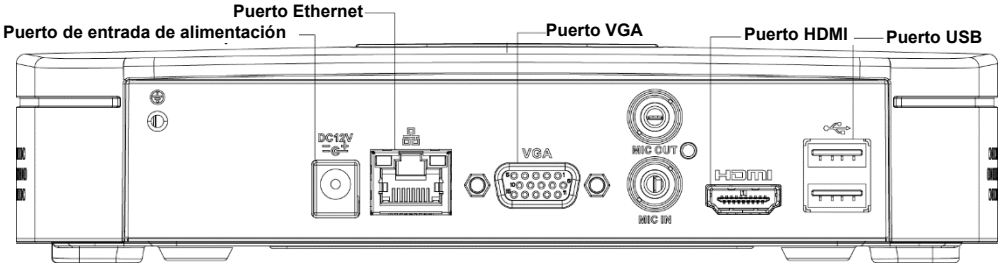

Figura 1 Componentes de los grabadores de vídeo en red RVNVR04/RVNVR16

Componentes del panel trasero de NVR 4 Canales PoE

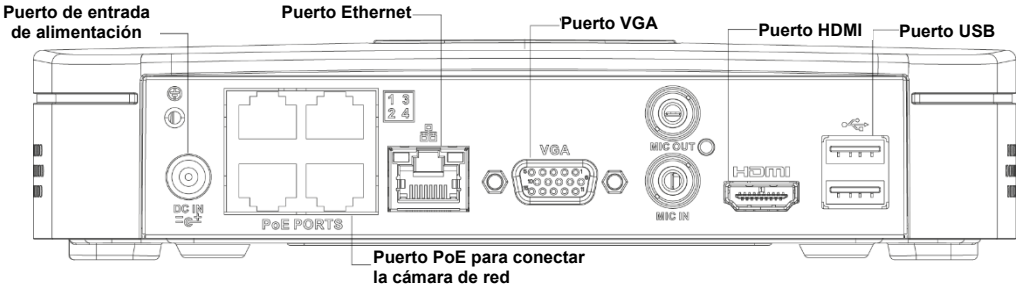

Figura 2 Componentes del grabador de vídeo en red RVNVR04002P

Componentes del panel trasero de NVR 8 Canales PoE

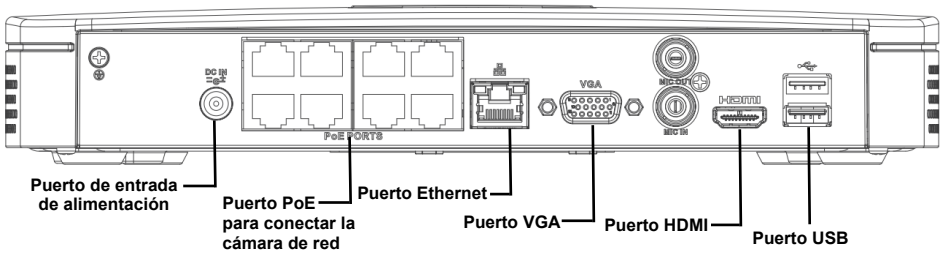

Figura 3 Componentes del grabador de vídeo en red RVNVR080020

Componentes del panel trasero de NVR 32 Canales

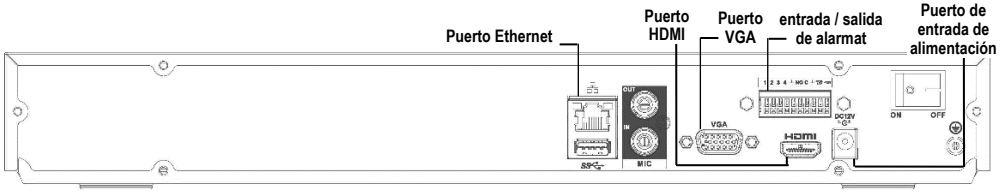

Figura 4 Componentes de los grabadores de vídeo en red RVNVR324K1F

Instalación del disco duro

PELIGRO

¡Apague el dispositivo y desenchufe el cable de alimentación antes de abrir la carcasa para reemplazar el disco duro!

¡Todas las figuras se incluyen solo a modo de referencia!

En la primera instalación, compruebe si el disco duro se instaló previamente. Por favor, utilice un disco duro de 7200 rpm o superior.

4/16 Canales

① Afloje los tornillos en la parte inferior del chasis.

② Alinee el disco duro con los cuatro orificios en la parte inferior.

③ Ponga el dispositivo al revés y apriete los tornillos (suministrados) con firmeza.

④ Conecte el cable de datos y el cable de alimentación al disco duro y a la placa base respectivamente.

⑤ Vuelva a colocar la cubierta y fije los tornillos al panel posterior. La instalación ha finalizado.

32 Canales

① Afloje los tornillos en la parte inferior y el parte lateral del panel

② Alinee el disco duro con los cuatro orificios en la parte inferior.

③ Ponga el dispositivo al revés y apriete los tornillos (suministrados) con firmeza.

④ Conecte el cable de datos y el cable de alimentación al disco duro y a la placa base respectivamente.

⑤ Vuelva a colocar la cubierta y fije los tornillos al panel posterior y el panel lateral. La instalación ha finalizado

Grabadores de vídeo en red y la aplicación para instaladores de RISCO Cloud

La aplicación para instaladores de RISCO Cloud proporciona una interfaz para el NVR. Esto permite añadir nuevos NVR o editar existentes.

IMPORTANTE– Un NVR primero debe instalarse físicamente para poder añadirlo al sistema.

Añadir un NVR

Para añadir un NVR:

1. Inicie sesión en la interfaz web para instaladores de RISCO Cloud (consulte la Guía Rápida de Instalación de RISCO Cloud para más instrucciones).

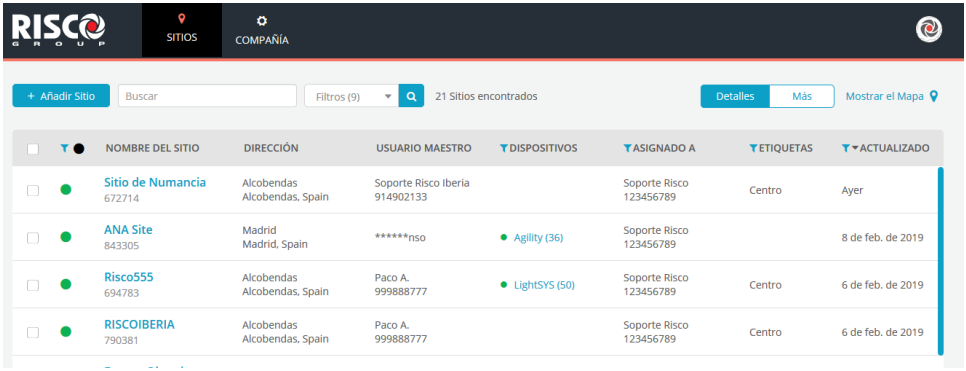

Figura 5 Página del listado de Sitios

2. Desde la página del listado de Sitios, seleccione el Sitio al que quiera añadir un NVR.
3. En la página que se muestra, pulse en el menú CÁMARAS IP y luego la pestaña lateral NVR.

Figura 6 Página de NVR

4. Pulse el botón Añadir nuevo NVR; se abrirá el panel lateral Añadir nuevo NVR.

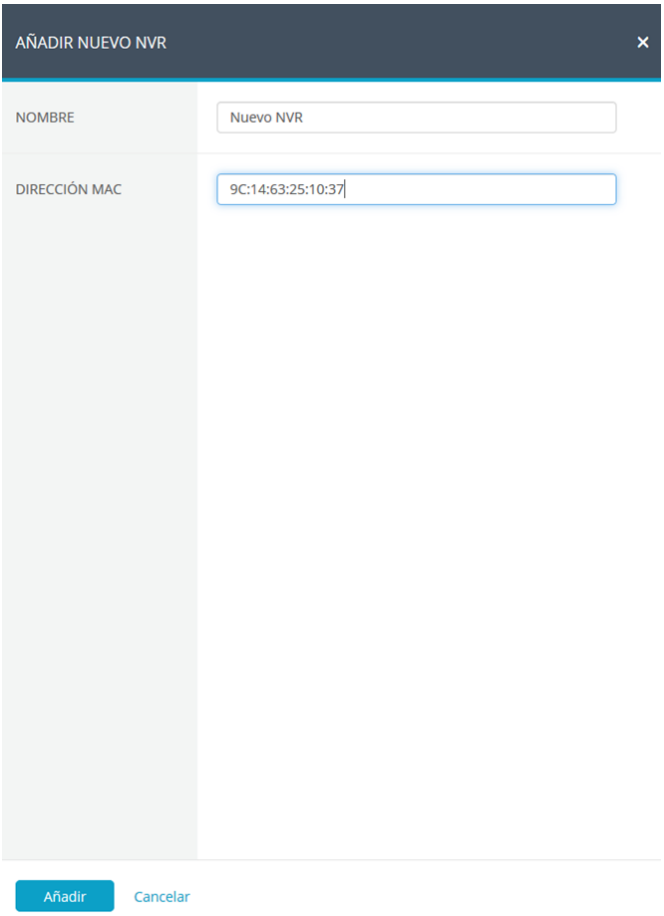

Figura 7 Panel lateral Añadir NVR

5. Introduzca un nombre para el NVR.
6. Introduzca la dirección MAC del NVR.
7. Pulse el botón Añadir; el NVR se añadirá a la red.

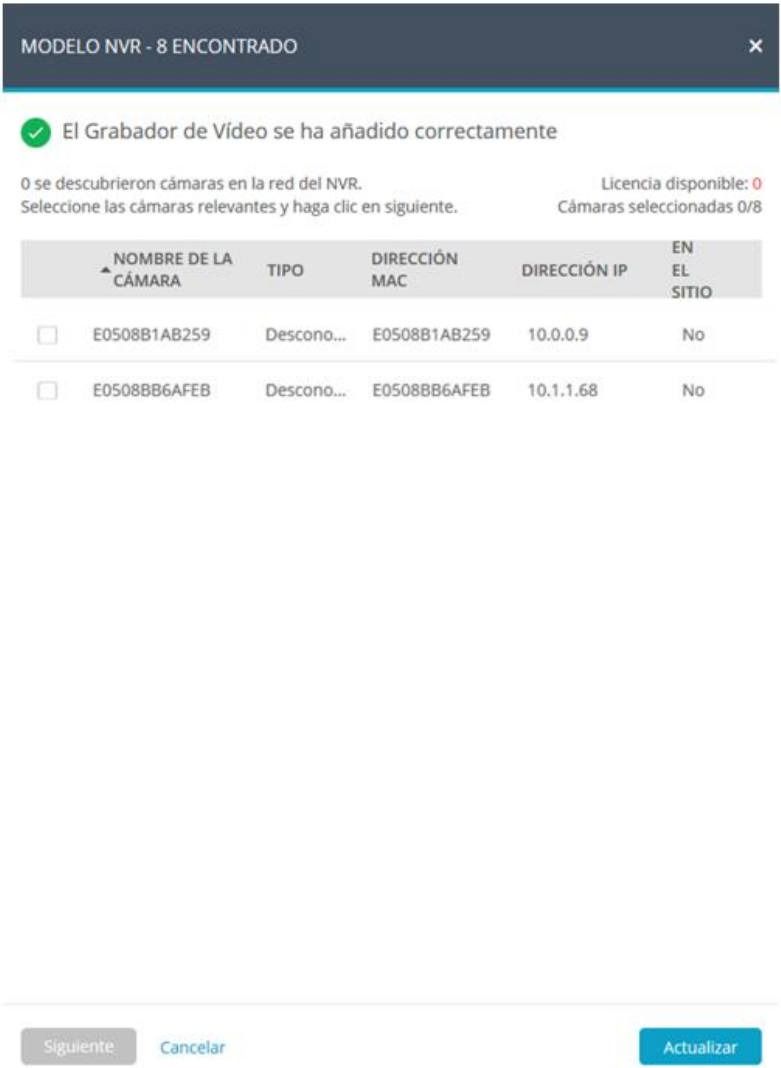

Figura 8 NVR añadido

Todas las cámaras conectadas a la red del NVR se detectarán automáticamente y se mostrarán en el panel lateral.

8. Seleccione las casillas de las cámaras IP que quiera añadir al NVR.

   NOTA: solo es posible añadir las cámaras IP de la lista que estén habilitadas. En raras ocasiones, cuando las cámaras IP están en la misma LAN y están conectadas a otro Sitio, se muestran pero no están habilitadas.

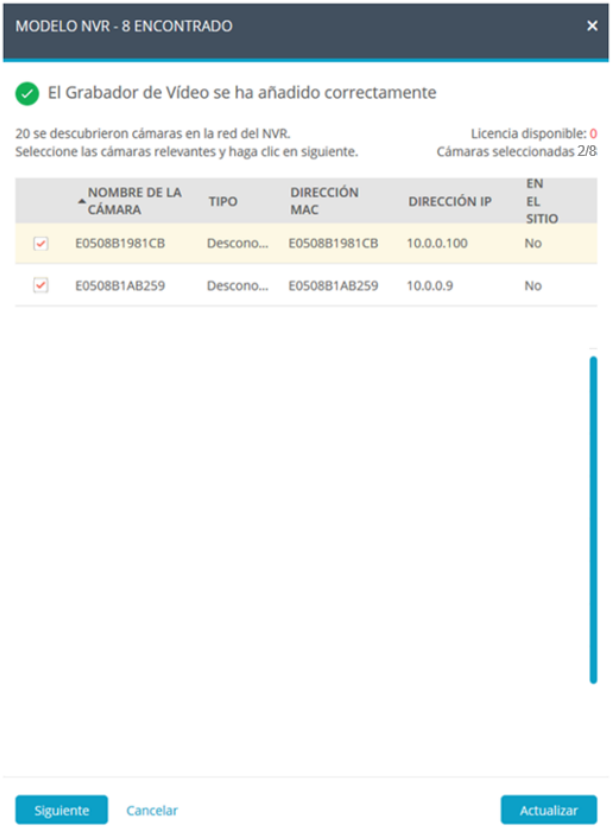

Figura 9 Seleccionar cámaras del NVR

9. Pulse Siguiente. Un asistente lo guiará a través de la configuración de cada una de las cámaras seleccionadas. Puede salir del asistente en cualquier momento.

   Las pantallas del asistente contienen principalmente información de solo lectura. Para cada cámara debe seleccionar solo el modo de grabación requerido.

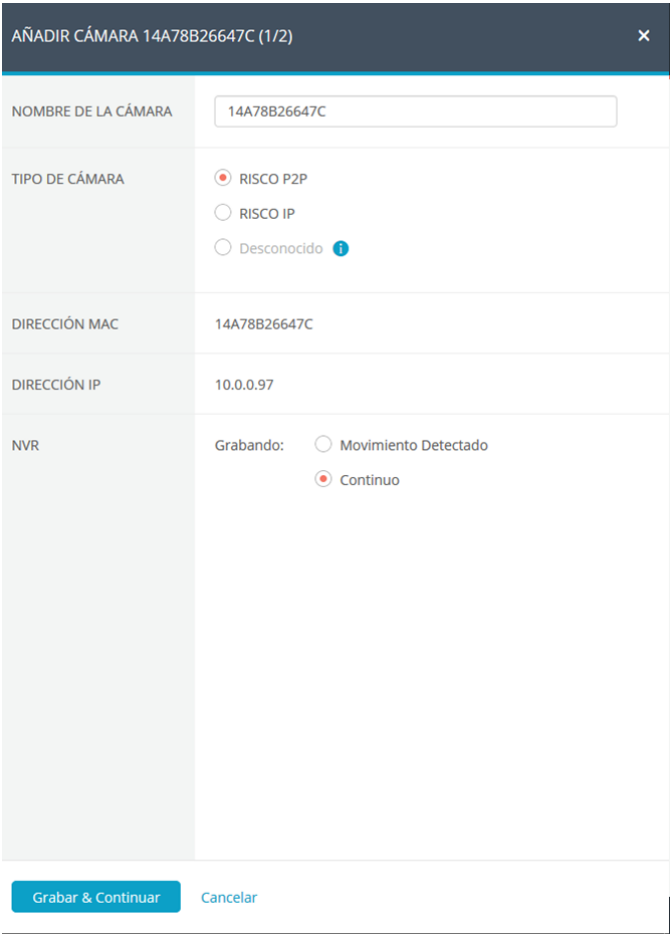

Figura 10 Añadir cámara

10. Modo de grabación: si se selecciona "Movimiento Detectado", el NVR grabará solo si la cámara detecta movimiento. Si se selecciona la opción Continuo, la cámara grabará continuamente.
11. Pulse Grabar y Continuar. Repita el procedimiento para las otras cámaras hasta que todas las que haya seleccionado para el NVR estén configuradas. La siguiente pantalla proporciona un resumen de las cámaras que se han conectado correctamente o que no se pudieron conectar al NVR.
12. En el caso de cámaras Wi-Fi, aparece la siguiente pantalla.

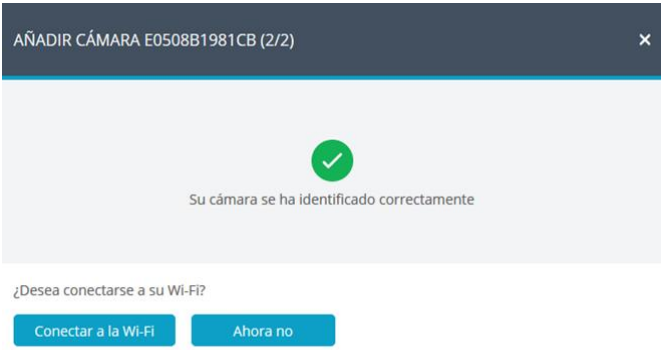

Figura 11 Conexión a una red Wi-Fi

13. Seleccione la red requerida e introduzca la contraseña.

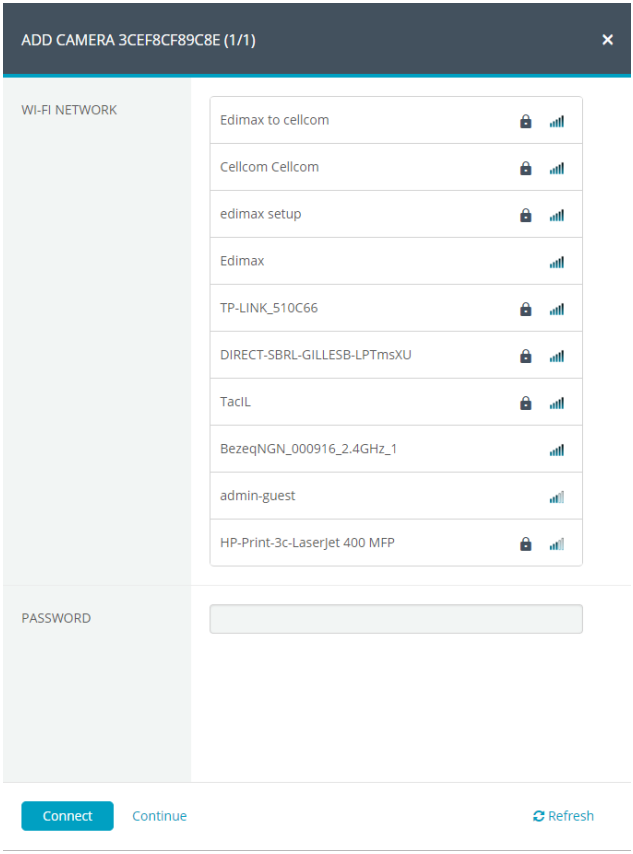

Figura 12 Selección de una red Wi-Fi

14. Pulse Conectar; se abrirá la pantalla de conexión Wi-Fi.

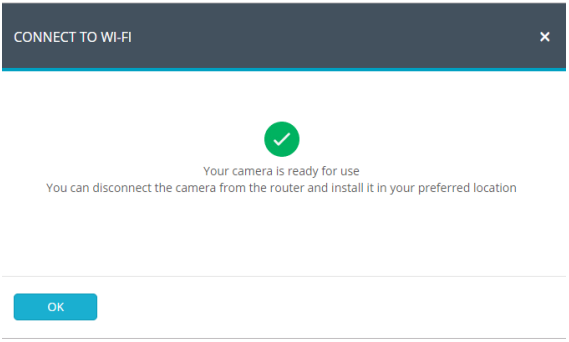

Figura 13 Conexión a una red Wi-Fi

15. Presione OK.

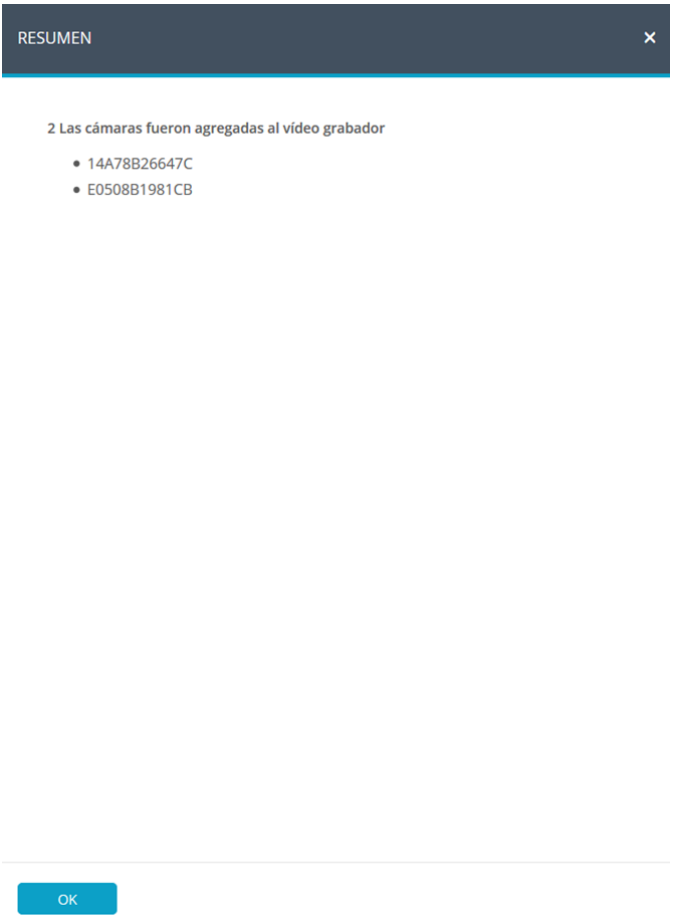

Figura 14 Resumen de cámaras añadidas al NVR

16. El NVR definido se muestra en la página de NVR y ahora se ha añadido al sitio.

Figura 15 Página de NVR

Edición de un NVR

Puede editar un NVR seleccionado y añadir o eliminar cámaras del NVR.

Para editar un NVR:

1. Desde la página de NVR, pulse el nombre del NVR; se abrirá entonces la pantalla Editar NVR.

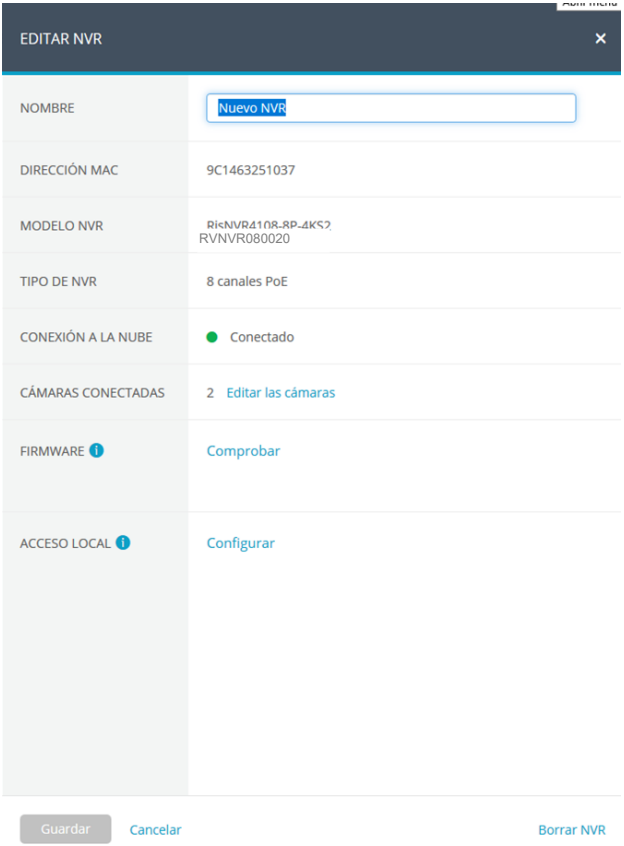

Figura 16 Editar pantalla de NVR

Campo	Descripción
Nombre	Cambie el nombre del NVR, si es necesario
Firmware	Pulse Comprobar para confirmar si hay una nueva versión de firmware disponible.
Acceso local	Pulse Configurar y luego seleccione UI/CGI para permitir el acceso a la interfaz web del NVR durante 60 minutos.

NOTA: puede eliminar el NVR del sitio pulsando Borrar NVR en la parte inferior derecha de la pantalla.

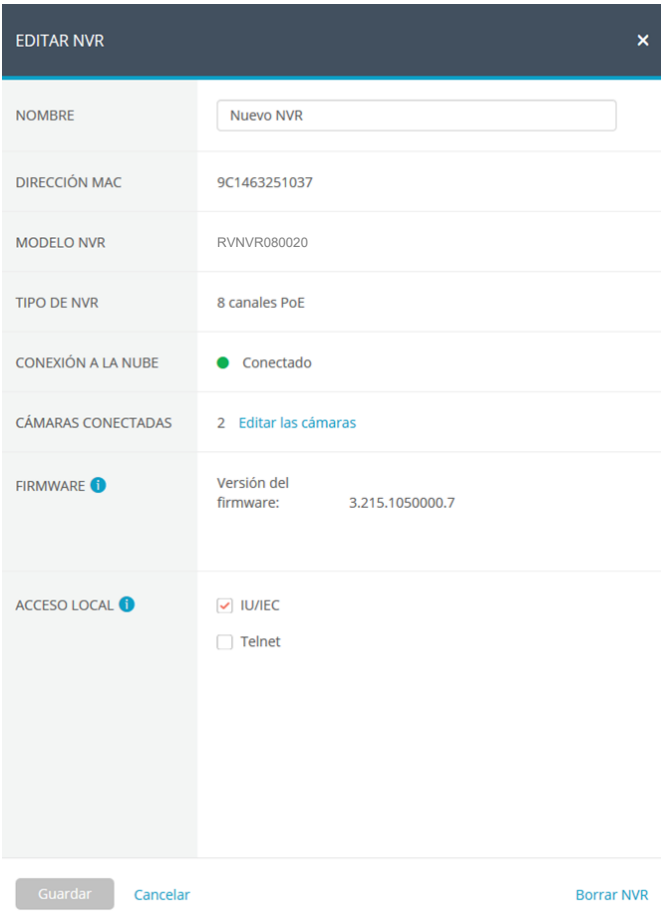

Figura 17 Editar configuración de NVR

2. Pulse Guardar para guardar la configuración actual o pulse Editar cámaras para editar las cámaras del sitio; la lista de cámaras que aparece proporciona información sobre las cámaras conectadas al NVR y las cámaras en la red del NVR pero no añadidas al NVR.

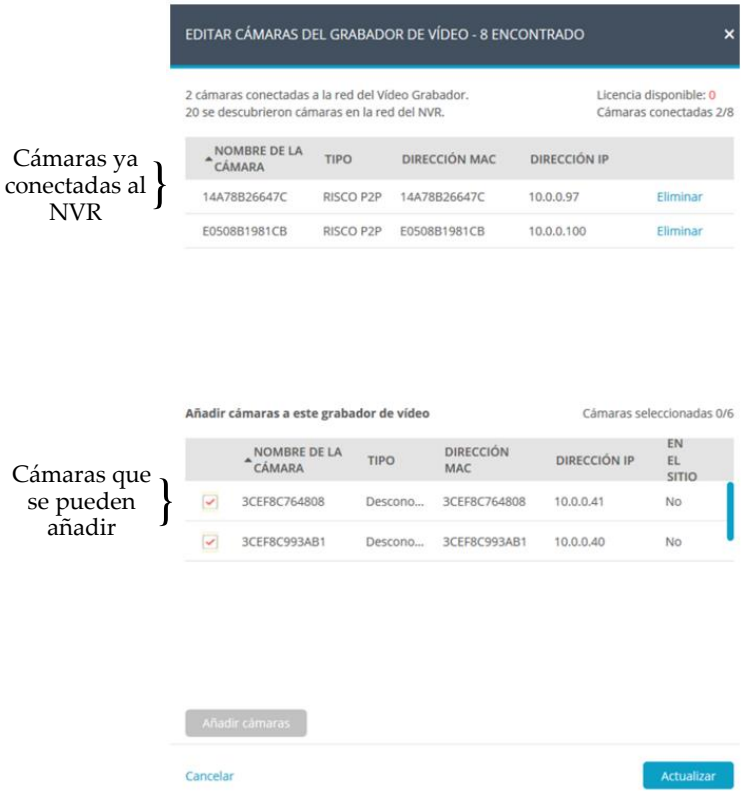

Figura 18 Editar cámaras de NVR

3. Si quiere añadir una cámara al NVR, seleccione la casilla de verificación de la cámara que desee añadir y pulse Añadir cámaras. Se abrirá el panel lateral Añadir cámara.

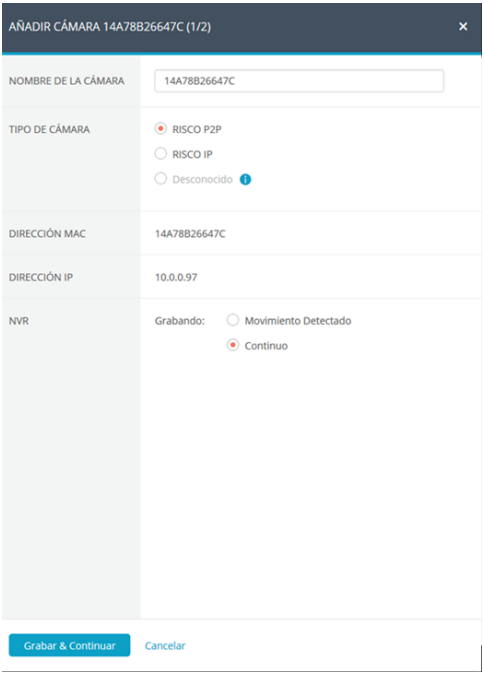

Figura 19 Añadir cámara

4. Desde la pantalla que se abre, seleccione el tipo de cámara y el modo de grabación. Si se selecciona "Detección de movimiento", el NVR grabará solo si la cámara detecta movimiento. Si se selecciona la opción Continuo, la cámara grabará continuamente.
5. Después de hacer su selección, pulse Guardar y continuar.

La siguiente pantalla proporciona un resumen de las nuevas cámaras añadidas al NVR.

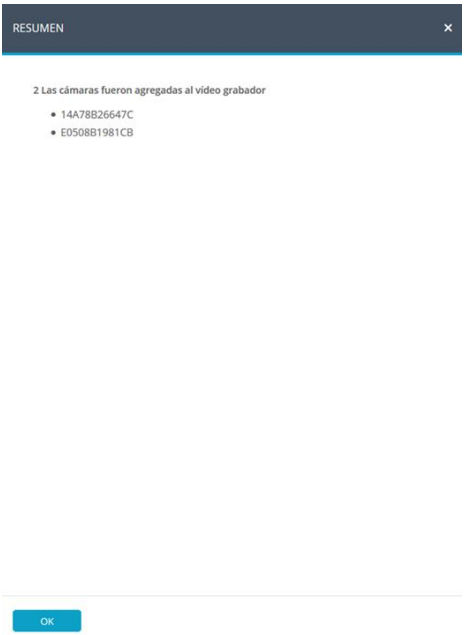

Figura 20 Cámaras añadidas al NVR

6. Pulse OK.

Especificaciones del producto

Consulte la siguiente tabla para ver las especificaciones de rendimiento del producto.

Parámetro		
Sistema	**Procesador principal**	Procesador integrado de cuatro núcleos
	SO	LINUX integrado
Audio y vídeo	**Entrada de cámaras IP**	4/16/32 Canales, 4/8 Canales PoE
	Habla bidireccional	1 canal de entrada, 1 canal de salida, RCA
Pantalla	**Interfaz**	1 HDMI, 1 VGA
	Resolución	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720
		VGA: 1920×1080, 1280×1024, 1280×720
	Capacidad de decodificación	2 canales a 4K (30fps)/8 canales a 1080P (30fps)
	Multipantalla	4 canales: 1/4
		8 canales: 1/4/8/9
		16 canales: 1/4/8/9/16
		32 canales: 1/4/8/9/16/25/36
Grabación	**Compresión**	Smart H.265+/H.265/Smart H.264+/H.264
	Resolución	8 MP/6 MP/5 MP/4 MP/3 MP/1080P/1.3 MP/720P, etc.
	Velocidad de grabación	4/8/16CH: 80 Mbps
		32CH: 200Mbps
	Velocidad de bits	16 Kbps ~ 20 Mbps por canal
	Modo de grabación	Continuo, Movimiento
	Intervalo de grabación	1 ~ 120 min (predet.: 60 min), Pregrabación: 1 ~ 30 seg, Posgrabación: 10 ~ 300 seg
Reprod. y respaldo	**Modo de búsqueda**	Hora/Fecha
	Modo de respaldo	Smartphone, red, USB
Red	**Interfaz**	1 puerto RJ-45 (10/100Mbps)
	Puerto Ethernet	1 puerto Ethernet independiente de 100 Mbps
	PoE	IEEE802.3at/af
	Smartphone	IPhone, iPad, Android
	Interoperabilidad	ONVIF 2.4, SDK, CGI

Parámetro		
Almacenamiento	**Disco duro interno**	4/8/16CH: 1 SATA III Puerto, hasta 6 TB de capacidad 32CH: 2 SATA III Puertos, hasta 6 TB de capacidad cada uno
	Modo de disco duro	Único
Datos eléctricos	**Fuente de alimentación**	4/16CH: 12V CC/2A
		4CH Poe: 48V CC/53V CC, 1.25A/1.13A
		8CH Poe: 48V CC/53V CC, 2A/1.8A
		32CH Poe: 12V CC/4A
	Consumo de energía: 4/16/32 canales	NVR: <7,5 W (sin disco duro)
		PoE: Máx. 25,5 W para puerto único, 50 W en total
	Consumo de energía: 8 canales	NVR: <8,3 W (sin disco duro)
		PoE: Máx. 25,5 W para puerto único, 80 W en total
Datos medioambientales	**Condiciones de funcionamiento**	-10 °C ~ +55 °C, 86 ~ 106 kpa
	Condiciones de almacenamiento	-20 °C ~ +70 °C, 0 ~ 90 % HR
Construcción 4/16/32 canales	**Dimensiones 4/16 canales**	Smart 1U, 204,6 mm×204,6 mm×45,6 mm
	Peso neto: 4/16 canales	0,45 kg (sin disco duro)
	Peso bruto: 4/16 canales	1,5 kg (sin disco duro)
	Dimensiones 8 canales	Smart 1U, 270 mm×204,7 mm×45,7 mm
	Peso neto: 8 canales	0,65 kg (sin disco duro)
	Peso bruto: 8 canales	1,8 kg (sin disco duro)
	Dimensiones 32 canales	Smart 1U, 375 mm×281 mm×56 mm
	Peso neto: 32 canales	1.65 kg (sin disco duro)
	Peso bruto: 32 canales	3.2 kg (sin disco duro)
Certificación	**CE**	EN55032, EN55024, EN50130-4, EN60950-1
	FCC	Apartado 15 subapartado B

Declaración de Conformidad EMC

Por la presente, RISCO Group declara que este equipo cumple con los requisitos esenciales y otras disposiciones relevantes de la Directiva 2014/30/EU. Para la Declaración de Conformidad CE, por favor diríjase a nuestra web: www.riscogroup.com

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications to this equipment which are not expressly approved by the party responsible
for compliance (RISCO Group's.) could void the user's authority to operate the equipment.

FCC Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance
with the instructions, may cause harmful interference to radio communications. However, there is no guarantee
that interference will not occur in a particular installation. If this equipment does cause harmful interference to
radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged
to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on to a different circuit from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Standard Limited Product Warranty ("Limited Warranty")

RISCO Ltd. ("RISCO") guarantee RISCO's hardware products ("Products") to be free from defects in materials and workmanship when used and stored under normal conditions and in accordance with the instructions for use supplied by RISCO, for a period of (i) 24 months from the date of delivery of the Product (the "Warranty Period"). This Limited Warranty covers the Product only within the country where the Product was originally purchased and only covers Products purchased as new.
Contact with customers only. This Limited Warranty is solely for the benefit of customers who purchased the Products directly from RISCO or from an authorized distributor of RISCO. RISCO does not warrant the Product to consumers and nothing in this Warranty obligates RISCO to accept Product returns directly from end users who purchased the Products for their own use from RISCO's customer or from any installer of RISCO, or otherwise provide warranty or other services to any such end user directly. RISCO's authorized distributor or installer shall handle all interactions with its end users in connection with this Limited Warranty. RISCO's authorized distributor or installer shall make no warranties, representations, guarantees or statements to its end users or other third parties that suggest that RISCO has any warranty or service obligation to, or any contractual privy with, any recipient of a Product.
Remedies. In the event that a material defect in a Product is discovered and reported to RISCO during the Warranty Period, RISCO shall accept return of the defective Product in accordance with the below RMA procedure and, at its option, either (i) repair or have repaired the defective Product, or (ii) provide a replacement product to the customer.
Return Material Authorization. In the event that you need to return your Product for repair or replacement, RISCO will provide you with a Return Merchandise Authorization Number (RMA#) as well as return instructions. Do not return your Product without prior approval from RISCO. Any Product returned without a valid, unique RMA# will be refused and returned to the sender at the sender's expense. The returned Product must be accompanied with a detailed description of the defect discovered ("Defect

Description") and must otherwise follow RISCO's then-current RMA procedure published in RISCO's website at www.riscogroup.com in connection with any such return. If RISCO determines in its reasonable discretion that any Product returned by customer conforms to the applicable warranty ("Non-Defective Product"), RISCO will notify the customer of such determination and will return the applicable Product to customer at customer's expense. In addition, RISCO may propose and assess customer a charge for testing and examination of Non-Defective Product.

Entire Liability. The repair or replacement of Products in accordance with this Limited Warranty shall be RISCO's entire liability and customer's sole and exclusive remedy in case a material defect in a Product is discovered and reported as required herein. RISCO's obligation and this Limited Warranty are contingent upon the full payment by customer for such Product and upon a proven weekly testing and examination of the Product functionality.

Limitations. This Limited Warranty is the only warranty made by RISCO with respect to the Products. The warranty is not transferable to any third party. To the maximum extent permitted by applicable law, this Limited Warranty shall not apply and will be void if: (i) the conditions set forth above are not met (including, but not limited to, full payment by customer for the Product and a proven weekly testing and examination of the Product functionality); (ii) if the Products or any part or component thereof: (a) have been subjected to improper operation or installation; (b) have been subject to neglect, abuse, willful damage, abnormal working conditions, failure to follow RISCO's instructions (whether oral or in writing); (c) have been misused, altered, modified or repaired without RISCO's written approval or combined with, or installed on products, or equipment of the customer or of any third party; (d) have been damaged by any factor beyond RISCO's reasonable control such as, but not limited to, power failure, electric power surges, or unsuitable third party components and the interaction of software therewith or (e) any failure or delay in the performance of the Product attributable to any means of communication provided by any third party service provider, including, but not limited to, GSM interruptions, lack of or internet outage and/or telephony failure. BATTERIES ARE EXPLICITLY EXCLUDED FROM THE WARRANTY AND RISCO SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN RELATION THERETO, AND THE ONLY WARRANTY APPLICABLE THERETO, IF ANY, IS THE BATTERY MANUFACTURER'S WARRANTY. RISCO does not install or integrate the Product in the end user's security system and is therefore not responsible for and cannot guarantee the performance of the end user's security system which uses the Product or which the Product is a component of.

This Limited Warranty applies only to Products manufactured by or for RISCO. Further, this Limited Warranty does not apply to any software (including operating system) added to or provided with the Products or any third-party software, even if packaged or sold with the RISCO Product. Manufacturers, suppliers, or third parties other than RISCO may provide their own warranties, but RISCO, to the extent permitted by law and except as otherwise specifically set forth herein, provides its Products "AS IS". Software and applications distributed or made available by RISCO in conjunction with the Product (with or without the RISCO brand), including, but not limited to system software, as well as P2P services or any other service made available by RISCO in relation to the Product, are not covered under this Limited Warranty. Refer to the Terms of Service at: https://riscocloud.com/ELAS/WebUI/UserLogin/License for details of your rights and obligations with respect to the use of such applications, software or any service. RISCO does not represent that the Product may not be compromised or circumvented; that the Product will prevent any personal injury or property loss by burglary, robbery, fire or otherwise, or that the Product will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce the risk of a burglary, robbery or fire without warning, but it is not insurance or a guarantee that such will not occur or will not cause or lead to personal injury or property loss. CONSEQUENTLY, RISCO SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE OR OTHER LOSS BASED ON ANY CLAIM AT ALL INCLUDING A CLAIM THAT THE PRODUCT FAILED TO GIVE WARNING.

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