RK SERIES – NVR and DVR GUI 6.0



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RK and RKK SERIES

DVR and NVR

NVR 6.0		&	\$_	ΕÆ		¢ ♣ ‱ ()
👈 СН1		D <mark>SE</mark>	Configurazione	D <mark>SE</mark>	D <u>SE</u>	D <mark>SE</mark>
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Configuration manual - Menu 6.0

How to configure all system operating options

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Contents of the manual

This manual explains in detail all the configuration options for make the best use of our RK Series DVRs/NVRs. For using normal live viewing functions and playback, for hardware installation and for connecting cameras download the installation manual.

This manual refers to the NVRs with Version 6.0 graphical interface that you see below

NVR 6.0		\otimes	ā	₽	T e	,	\$ ★ 88	٩
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If your NVR/DVR has our interface 5.0 or earlier, you can download the specific manual for your version, or you can continue reading this manual considering that you will find in the your screen the same options, just with different graphics.

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Access the control menu

The installation manual explains how to install and use the basic, live features and playback, of our RK Series NVRs and DVRs.

If you haven't mounted your system yet and you don't yet see the cameras on the monitor, it's a good idea

return to the installation manual and follow the instructions. If you have installed the e

you are able to move the mouse around the screen, you can continue reading this

manual and learn all the advanced features of your CCTV system.

In this manual we start from the login window in which to enter the username and password for access.

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Accedi	
â ·····	
Recupera PW	

The factory access data for the RK Series NVRs and DVRs are: USERNAME: admin

PASSWORD: 12345

To access the configuration menu you must right-click on the screen

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NVR 6.0		&	₽.	- 72		ር ዋ ස በ
-CH1		D <mark>SE</mark>	Configurazione	D <mark>SE</mark>	D <mark>SE</mark>	D <mark>SE</mark>
	D <mark>SE</mark>					
	D <mark>SE</mark>					
	D <u>SE</u>	D <mark>SE</mark>				
	D <mark>SE</mark>					
	D <u>SE</u>	D <mark>SE</mark>				

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Navigation bar

At the top of the monitor there is a navigation bar to browse the different control environments of the device.



The first 3 environments LIVE, PLAYBACK and SEARCH, for viewing and playback, are explained in installation manual .

This manual explains the CONFIGURATION and MAINTENANCE pages

In addition to the main navigation bar there are buttons at the top right



1 – Opens the popup window listing the latest alarm events, divided into Anomalies, Alarms normal and Intelligent Alarms

2 – Opens the backup window where you can see the progress of saving videos to memory external

3 - Shows the QR code that identifies the device and is used to load it into our app

4 – The power off button allows you to log out (a new login will be required), turn off the device and restart it.

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CONFIGURATION | SYSTEM

Click the CONFIGURATION button to open the page containing the configurable options of the your NVR/DVR



BASIC AND COMPLETE CONFIGURATION

In the bottom left corner you can select whether to see the basic configuration or the advanced configuration. The basic configuration shows the most used options, so you can find them more easily. The complete configuration includes all options. In this manual we activate the FULL CONFIGURATION to describe all the items of configuration



SYSTEM | GENERAL

On this page, the first of the SYSTEM section, some general options are set device

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NVR 6.0)	Þ	Q	2	-Q		₽.	F e		đ	-t	٩
Sistema	`						Configurazione					
Generale			Lingua	Italiano		~		Risoluzione	1920x1080(Consigliato) V			
Monitor Live			Fuso orario	(GMT+01:00)	Amsterdam,	. ×		Nome Dispositivo	NVR			
Utente			Formato data	Giorno-Mese-	Anno	~		Logout automatico	Mai ~			
Rete	;	c	Ira del sistema	22-09-2023	23:40:08	∷ ₀		Velocità del mouse	Lento	— Veloce	э	
Gestione canali	;	Procedura g	uidata in avvio	•				Abilita Password				
Eventi	;		Ora legale	•								
Registrazione	;			Applica								
Conf.base 0	Conf.completa											

LANGUAGE – The factory language is Italian, but you can choose another from the dozens available TIME ZONE – Choose the time zone of your area which in Italy is GMT+1 DATE FORMAT – Choose the format to indicate date and time, normally Day/Month/Year SYSTEM TIME – Shows the system date and time which you can manually change STARTUP WIZARD – After completing the installation of the NVR/DVR it is convenient for you disable the wizard when starting the video recorder by unchecking it option. The wizard is explained in the installation manual.

DAYLIGHT TIME – You can have the NVR automatically adjust to daylight saving time. This setting may vary from country to country. In Italy, you must set the WEEKLY type and duration 60 minutes, starting at 2am on the last Sunday of March and ending at 3am on the last Sunday of October.

RESOLUTION – Here you set the resolution of the video outputs for the monitor. Don't set one too high resolution that your monitor does not support. The resolution most commonly supported by the monitors is the factory 1920x1080 one.

DEVICE NAME – You can assign a name to your DVR/NVR to easily identify it.

AUTOMATIC LOGOUT – Defines after how many minutes of operator inactivity the system will require a new login to access the NVR.

MOUSE SPEED – Adjust the mouse speed of the DVR/NVR

ENABLE PASSWORD – Normally access to the NVR control is protected by a password. If you use the NVR locally, among known people, you can disable password control. Disable the Password checking is never recommended if your device has access to the Internet.

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SYSTEM | LIVE MONITOR | CYCLIC SCAN

Here you can configure the cyclic scanning of cameras on the monitor. Cyclic scanning is possible activate and suspend with one button in the live window.

NVR 6.0		Q		₽		ΞŖ			G	Ľ+	С
Sistema 🗸	Scan ciclico										
Generale											
Monitor Live	Suddivisione schermo in scansione	4	~								
Utente	Cadenza scan ciclico	10 Secondi	~								
Rete >	Canali scan ciclico	🗆 Tutti									
Gestione canali					CH6		CH8				
Eventi >											
Registrazione >		Applica									
Conf.base Conf.completa											

SCREEN SPLIT IN SCAN - Normally cyclic scanning is carried out by taking a

full screen one camera at a time. To get this feature you need to set this

parameter to 1. If you have many cameras you may also want to cycle the multivisions by 4 or 9 cameras at a time.

CYCLIC SCAN RATE – Here you set the duration of each 5 scan on the screen

seconds to 5 minutes

CYCLIC SCAN CHANNELS - You can set which channels to include in the scan,

possibly excluding some.

SYSTEM | USER

Here the administrator can enter other users who will have access to the device, each with your access level

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NVR 6.0		•		\otimes	-Q	\$	₽¢	l.		4	-Y		Ċ
Sistema	~	Aggiungi	🖸 Reimpost	a password									
Generale		NO		Nome Utente		Operazioni		Sicurezza	Livello	Aut	orizzazio	ne	
Monitor Live				admin		2		Password Debole	Amministratore				
Utente	k												
Rete	>												
Gestione canali	>												
Eventi	>												
Registrazione	>												
Conf.base Conf.comp	leta												

RESET PASSWORD – The first button allows you to enter the email address that will be used for possible future recovery of the forgotten password.

ADMIN USER – The administrator user is already present in the list and cannot be deleted. With the edit button you can change the administrator password. You can enter a new one password of at least 8 characters with at least one letter and one number and also set a sign unlocking, as is done on mobile phones.

ADD – Press to add a new user

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NVR 6.0		Þ		\$	E۶		ĸ	C 4 8 0
Sistema	~	우 Aggiungi 🛛 Reir	mposta password					
Generale		NO	Nuovo Utente			×	Livello	Autorizzazione
Monitor Live							Amministratore	
Utente			Livello	Operatore	~			
Rete	>		Nome Utente	Mario				
Gestione canali	>		Password					
Eventi	>		Conferma					
Registrazione	>		Password: La lunghez; almeno due fra numeri (-1@#\$%^&*+= ;,,/?	za della password è di 8-16 c , lettere minuscole, lettere ma) Autorizzazione	ifre e deve contenere aiuscole e caratteri speciali			
					Abbandona Salv			
Conf.base Con	onf.completa							

LEVEL - There are two pre-configured permission levels that you can choose when creating the user: Operator User (access to all operations except configuration) and User Normal (access to viewing and playback only), but after creating the new user you can customize the access level as desired, for example allowing access only to certain cameras.

USERNAME/PASSWORD - Enter the credentials of the new user

AUTHORIZATION – By pressing this button you can enable and disable access to the various functions that you want to guarantee to the new user.

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NVR 6.0		Accesso Locale Conf.	Remota			× Ç 4 8	Ċ
Sistema	~ >	Nome Utente: Mario	Livello: Operal	tore			
Generale	1	🔲 Tutti				Autorizzazione	
M 1 1 1	100	Configurazione Param	etri 🗌 Arresto e ri	avvio		Additizzazione	
Monitor Live		💆 Visualizza log	Aggiornam		stratore		
Utente		Gestione canali	🗌 Registrazio	one			
Rete	>						
		Visione live	Riproduzione	Mackup	M PTZ		
Gestione canali	>			CH1 CH2 CH3			
Eventi	>	CH4 CH5 CH6	CH4 CH5 CH6	CH4 CH5 CH6	CH4 CH5 CH6		
Perintraziona		CH7 CH8 CH9	CH7 CH8 CH9	CH7 CH8 CH9	CH7 CH8 CH9		
Registrazione							
					Abbandona		
Conf.base Conf	.completa						

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CONFIGURATION | NET

Click the button CONFIGURATION then NETWORK to open the network port settings

NETWORK | CONFIGURATION | TCP/IP

In this section you can enter the NVR network data.

NVR 6.0		►_	\otimes			\$	Ej.		¢	ŀ	Ċ
Sistema	>	TCP/IP DDNS	PPPoE		FTP	UPnP	Black/Whitelist				
Rete	~										
Configurazione		Abilita DHC	° 🦲				Porta TCP	5000			
P2P		Indirizzo IP (IPV4) 192 .	168 . 2			Porta HTTP	80			
E-Mail		Subnet Mas		255 . 255			Porta RTSP	554			
Gestione canali	`	Gatewa		168 . 2		Por	ta prot.proprietario	0			
Eventi	>	IPv6 Patter	n Manuale		~		MAC dispositivo	2C:6F:51:00:17:53			
Registrazione	>	Indirizzo IP (IPV6) ::								
		Lunghezza prefisso sottoreti	64								
		Gateway (IPV6) ::								
		DNS Primarie									
		DNS Secondari									
		Scheda di rete interna	a 192 .	168 . 11	. 2						
Confinance Confinance	nolota		Applica								
Cont.base Cont.con	npieta										

NETWORK ADDRESSES – IP address, Subnet mask, Gateway and primary and secondary DNS are the addresses that allow your DVR/NVR to communicate with the network. The easiest thing is to maintain the factory setting with DHCP enabled so that the device configures itself automatically on the network. To use this function, the DVR/NVR must be connected to a network with a router or other equipment that acts as a DHCP server. If for some reason you have to enter the parameters manually, read up carefully before doing so because inserting incorrect parameters can make the system unreachable from the outside. Remember that all devices on your network must have IP addresses with the first 3 numbers the same e the same subnet mask (usually 255.255.255.0). The gateway is usually the address of the router, the network number 1 (for example 192.168.1.1). DNS is important for the DVR/NVR to work browse the Internet and connect to external hosts, such as our P2P server or your SMTP provider to send emails. If you don't know your provider's DNS, use Google's 8.8.8.8. Below is the other data in this window

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IP INTERNAL NETWORK CARD – If you have purchased an NVR with built-in POE ports you can find it here the starting address that will be assigned to the cameras connected to the NVR ports. From Our POE NVRs use the class 192.168.11... for the internal network and it is advisable not to modify it.

In this window there are also the communication ports used by the camera which are not you should never change unless a specific need actually requires it.

PORTS – The ports used by the NVR/DVR for network communication are indicated here in the use of TCP, HTTP (ONVIF), RTSP protocols. Our private protocol, used by the app and from the IoVedo.RK software, it uses port 6000 by default. It is advisable never to modify these communication ports.

DEVICE MAC – Unique device identifier

NETWORK | CONFIGURATION | DDNS

In this section you can enter the connection data to a DDNS server.

NVR 6.0		Þ	(8	Q		\$	E?		C	R+	Ф
Sistema	>	TCP/IP	DDNS	PPPoE		FTP	UPnP	Black/Whitelist				
Rete	~											
Configurazione			Abilita DDNS									
P2P			Tipo DDNS	ORAY		~						
E-Mail		Cadenz	a aggior.(sec)	60								
Gestione canali	>		Nome Utente									
Eventi	>		Password									
Registrazione	,		Dominio									
Registrazione	Í		Stato	DDNS DISAT	TIVATO							
				Applica								
Conf.base Conf.compl	eta											

DDNS servers are services offered via the Internet that allow you to reach a variable IP as if it were static.

With our DVR/NVR you don't need these services because the P2P cloud server we offer

free of charge performs this function very well. However VCRs support it

different DDNS services and you can set the connection data in this folder if you intend to use them.

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Remember that if you use a DDNS service, instead of our P2P cloud you will need to map appropriately the ports in the router to be able to communicate with the DVR/NVR.



Typically, the data required to connect to a DDNS server is the domain name and credentials and are assigned by the DDNS provider when subscribing to the service. You can also set a refresh interval that indicates how often the DVR/NVR should perform will communicate its connection data to the server.

NETWORK | CONFIGURATION | PPPOE

NVR/DVR can be connected directly to an ADSL modem to connect to the Internet by making a call (dial-up) and entering your credentials.

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NVR 6.0		Þ	&		\$	F,		Ģ	R+	Ċ
Sistema	>	TCP/IP DDNS		FTP	UPnP	Black/Whitelist				
Rete	~									
Configurazione		Abilita	•			Indirizzo PPPoE				
P2P		Nome Utente				Mask PPPoE				
E-Mail		Password				Gateway PPPoE				
Gestione canali	>	Stato della connessione	Scollegato							
Eventi	>		Applica							
Registrazione	>									
Conf.base Conf.com	oleta									

Normally you will not need this page because today it is preferred to use routers for Internet access and this protocol is not necessary

NETWORK | CONFIGURATION | NTP

The NTP protocol is used to automatically synchronize the time of the NVR via the Internet

NVR 6.			►	(8		\$	E)	Ĺ	1	-€	Ф
Sistema		>	CP/IP	DDNS	PPPoE	FTP	UPnP	Black/Whitelist				
Rete		~										
Configuraz	ione			Abilita NTP								
P2P				Server NTP	time.nist.gov	~						
E-Mail				Personalizza								
Gestione canal		>	adenza di	aggiorn.(min)	720		(30-1440)					
Eventi				Porta NTP	123							
		ĺ										
Registrazione		`			Applica							
Conf.base	Conf.completa											

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If you enable NTP protocol management, the NVR will synchronize the time via the Internet with an NTP server.

SERVER - You will find the most popular free servers for time synchronization listed. You can too insert a custom one.

CADENCE – Set the frequency of synchronization with the server in minutes.

NTP PORT – NTP servers normally use port 123

NETWORK | CONFIGURATION | FTP

The DVR/NVR can send photos in case of intrusion or alarm to a network FTP server. It's a useful function if you have a web space where you can secure salient images.

NVR 6.0			2	Q	\$	₽¢		\$	Ľ+	С
Sistema		TCP/IP DDNS	PPPoE	NTP F		Black/Whitelist				
Rete	~									
Configurazione		Abilita FTF				Canali	t ~			
P2P		Server FTP	0.0	. 0 .	0	Giorno	M ~			
E-Mail		Porta FTP	21			Periodo 1	00:00 - 23:59 🕥			
Gestione canali	>	Nome Utente				Periodo 2	00:00 - 00:00			
Eventi	>	Password								
Desisterione	,	Cartella di Upload								
Registrazione	,									
			Test	Applica						
Conf.base Conf.comp	leta									

FTP SERVER/PORT – These are the main data of your FTP space USERNAME/PASSWORD – Access credentials to your FTP space UPLOAD FOLDER – Write the name of the folder where the files are stored on the FTP server CHANNELS/DAY/PERIOD 1-2 – You can enable sending files only in certain time slots depending on of the day of the week. You can set different rules for each channel. TEST – Before saving, press this button to verify that the FTP server is reachable with the parameters you entered.

NETWORK | CONFIGURATION | UPNP

If you have a static IP address on the Internet, you can also decide not to use our server cloud to connect via the web and connect directly via the Internet to the IP address of your router. In this case you must map the router ports so that the ports used by the

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DVR/NVR (factory 80,5000,554,6000) are transferred from the Internet side to your

DVR/NVR on the internal network.

It would be a good idea to do the mapping manually in the router configuration. However if your router accepts upnp mapping you can also enable it in the NVR so it runs

automatically.

NVR 6.0			Þ		8	Ō		₽	E?		đ	-1	Ф
Sistema		>	TCP/IP	DDNS	PPPoE		FTP	UPnP	Black/Whitelist				
Rete		~						*					
Configurazio	ine			Abilita									
P2P				IP interno									
E-Mail				IP esterno									
Gestione canali		>		Stato	Scollegato								
Eventi		>	O	No.		Nome Server			Protocollo	Porta Interna	Porta Esterna		
Registrazione		>											
										Aggiungi	Elimina	Applic	
Conf.base C	Conf.completa												

NETWORK | CONFIGURATION | BLACK/WHITELIST

On this page you can allow or prevent remote connection to your DVR/NVR based on

to the IP address or Mac Address of the client making the connection. It is useful for narrowing down the possibility of remote access to authorized IPs only.





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NVR 6.0		Þ		8	Q		\$	B			0	-t	D⊒	С
Sistema	>	TCP/IP	DDNS	PPPoE		FTP	UPnP	Black/Whitelist						
Rete	~													
Configurazione			Abilita											
P2P		Tipo	di restrizione	Blacklist		~								
E-Mail		Abilita		Indirizzo	P/MAC				Modifica	Elimina				
Gestione canali	>													
Eventi	>													
Registrazione	>													
Confibace	ata									Aggiun	igi	Appli		
Cont.base Conf.comple	eta													

If you use the BLACKLIST mode you can then add all the IP addresses or MAC addresses to which you do not you want to grant access to the system. If you use the WHITELIST mode you can insert the IP addresses or MAC addresses to which access is allowed, while all others will be excluded.

WIFI

This section is only present in NVRs with built-in wifi and controls the generated wifi network from the NVR.

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NVR 5.0	Δ			Ŋ	G	\$	00		7 🍯 🕾 I 🕡
Image: Second state sta	BSSID ESSID Password WLan IP WLan mask Attenzione: L'uso dei canali Wi-	WIFINVR HSNVR20yuy 172 - 20 255 - 255 Fi deve rispettar	. 18 . 10 . 255 . 0	L in vigore.		Certificato Diffondi SSID Formato WI-Fi Canale WI-Fi Area	WPA2-PSK		
🕞 Anteprima logout								Riavvio	

BSSID/ESSID – It is the name that distinguishes the wifi network generated by the NVR

PASSWORD – It is the access password to connect to the NVR's WiFi network. From the factory "Ispassword"

WLAN IP/MASK – Indicates the address class and subnet mask used by the NVR's WiFi network

CERTIFICATE – It is the security coding used by the NVR's wifi network

SPREAD SSID – If you disable this option the NVR's wifi network will not be visible in the search of wifi networks.

WIFI FORMAT – Indicates the WiFi technology of the NVR's WiFi network

WIFI CHANNEL – Here you set the WiFi channel to use for communication with the cameras. From the factory it is best to keep the factory automatic option. However, it is possible to force it communication on a specific channel from 1 to 13. Setting a specific WiFi channel can help to avoid frequencies disturbed by the presence of other devices. If you are having problems with occasional disconnection of WiFi cameras, you can try setting different channels in this box.

AREA – Defines the WiFi standard to use. If you want the NVR's wifi network to be visible and usable by other European devices you must set EU.

NETWORK | P2P

This is a very important window because it contains the data for connecting to our server P2P cloud that allows you quick access via web with PCs and mobile phones. In the access manual remote you will find the explanation of how it works and explanations on how to use our app

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IoVedo.RK

NVR 6.0		►	\otimes	-a	\$ ₽¢	Q	4 BB ()
Sistema	>						
Configurazione di rete	~	Abilit	a 🌔				
Configurazione		Crittografi	a SSL	~			
P2P		Cadenza di aggiorn.(min) 5	~			
E-Mail		Codice di verific	a NG1FN4	<u>0</u>		- 변전승규 -	
Gestione canali	>	Stato collegament	o Non collegato				
Registrazione	>	Stato della connession	e On-Line		Android & IOS	8701043753067	
			Scollega	Applica 🕈			
Conf.base Conf.comp	oleta						

ENABLE P2P – You must enable P2P if you want to easily use the web connection with ours app and our software. If for privacy reasons you prefer that your DVR/NVR not connect to the cloud server, you can disable this function, but to connect via the web you will need an IP static on the Internet and configure your router manually.

ENCRYPTION – It is advisable to maintain the factory SSL encryption

UPDATE RATE – This is the waiting interval between sending a push notification to the app IoVedo.RK and the next. It is advisable to maintain a delay of 5 or 10 minutes to avoid receive too many notifications and to avoid exhausting the maximum number of 100 notifications/day per channel expected.

VERIFICATION CODE is the captcha code used to upload the device to our site IoVedo.RK app. If you do not enter anything in this box, the captcha code to use in the app will be the factory one that you find on the product label. If you want you can customize the code captcha of 6 letters/numbers by typing it in this box. If you want the appliance can be added to the app without requiring the captcha, enter the code ABCDEF in this box. LINK STATUS - shows if the device has already been linked to an account on the app IoVedo.RK. If the device is linked to an account, you can unlink it with the UNLINK for button re-pair it to a different account.

CONNECTION STATUS – shows the connection status to the P2P server.<u>Connected</u>, It means the system is connected to our P2P server successfully.<u>Disconnect</u> indicate instead you can't connect remotely to the cloud because the NVR doesn't see the Internet.

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Always check the status of your cloud connection before trying to connect via the Internet. If the server is offline, the most likely thing is that the network settings of the DVR/NVR are incorrect are correct. Then enable the DHCP function in the network settings and restart the device, in so that the DVR/NVR automatically receives the correct settings from your router. Then double check in this section if the P2P server is connected. QR CODE – The first QR code on the left can be scanned with your mobile phone to download the APP IoVedo.RK for iOS or for Android. The second QR code is instead used in the app configuration to quickly load the DVR/NVR serial number. This serial number consists of 13 numbers and identify your DVR/NVR in our cloud server. It is also written under the QR Code, if you need to enter it manually. The QR code is also shown on the label self-adhesive under the video recorder and on the packaging. UNLINK - If your device is linked to an app account that is not yours, for example del previous owner, you can disconnect it with the UNCONNECT button to be able to recharge it in yours account.

IPEYE is not used

NETWORK | E-MAIL

In this section you can enter the data necessary to have your NVR/DVR send messages email in case of alarm. You must consult your email provider to find out which data enter in order to communicate correctly with the SMTP outgoing mail server.

NVR 6.			►	\otimes	Q		\$ F,		4	R+	01	C
Sistema		>										
Rete		~	Abilita	•			Oggetto	NVR_ALERT				
Configurazi	ione		Nome Utente				Mittente					
P2P			Password				Destinatario 1					
E-Mail	×		Server SMTP	Personalizza		~	Destinatario 2					
Gestione canali		>	Personalizza	smtp.MailSer	ver.com		Destinatario 3					
Eventi		>	Porta SMTP	465								
Registrazione		>	Crittografia	SSL		~						
Regionaziono			Allega File (Foto)									
				Test	Applica							
Conf.base	Conf.completa											

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USERNAME/PASSWORD – These are your login credentials, to be used if your provider requires authentication on the SMTP server SMTP SERVER/SMTP PORT – These are the main data to be able to communicate with your SMTP server for sending e-mail and the provider of your e-mail account must provide them to you. ENCRYPTION – Several providers use encryptions in the SMTP protocol. It is essential to insert here is the encryption used by your provider (SSL or TLS). Note that mail providers often have of different access methods, with different settings based on the encryption used. ATTACH FILE – If you want to attach the photo to the alarm email, enable this option. SUBJECT – Type the subject you want to appear in the alarm email SENDER – Enter the name and email address you want to appear as the sender of the email. alarm sent by the DVR/NVR RECIPIENTS – You can enter here the recipients to whom the email will be sent in the event of an alarm. You can enter up to 3 recipients. TEST – Before saving, do a test send with this TEST button.

If the test fails, do not contact our support thinking that the device is not working. Remember that sending emails depends only to a small extent on the NVR and largely on the your smtp provider. It's important to use the correct parameters for your provider and sometimes you even have to set up features in your inbox settings to allow sending emails from devices considered unsafe.

Below is an example of an effective configuration that you can achieve by creating a free account on **LIBERO.IT** and using their SMTP server without encryption on port 25.

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NVR 6.0		S 🛱 🛱 🗗	ф ч ж ()
Sistema	>		
Rete	✓ Abilita	Oggetto NVR_ALERT	
Configurazione	Nome Utente	xxxxx@libero.it Mittente xxxxx@libero.it	
P2P	Password	Destinatario 1 xxxxx@yyy.vv	
E-Mail	Server SMTP	Personalizza Destinatario 2	
Gestione canali	Personalizza	smtp.libero.it Destinatario 3	
Eventi	Porta SMTP	25	
Registrazione	Crittografia	Nessuna V	
	Allega File (Foto)	 ••• 	
		Test Applica	

The widespread provider**GMAIL**It can be used to send emails from automatic devices such as NVRs and DVR, but requires a more complex procedure to bypass double authentication than NVRs they cannot perform.

NVR 6.0		Þ	\otimes	Q	\$ Ēŀ		Ç	-1	001	↺
Sistema	>									
Rete	~	Abilita	•		Oggetto	NVR_ALERT				
Configurazione		Nome Utente	xxxxx@gmail.co	om	Mittente	xxxxx@gmail.com				
P2P		Password	******		Destinatario 1	xxxxxx@yyy.vv				
E-Mail		Server SMTP	smtp.gmail.com	~	Destinatario 2					
Gestione canali	>	Personalizza			Destinatario 3					
Eventi	>	Porta SMTP	465							
Registrazione	>	Crittografia	SSL	~						
		Allega File (Foto)								
			Test	Applica	×					
Conf.base Conf.comple	eta									

Here is the gmail configuration on the NVR side

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To be able to use gmail it is not enough to set up the NVR, you also need to access the security settings of your gmail account and generate a so-called PASSWORD FOR

PI	0			
٢	Home			
13	Informazioni personali	Attività recenti relative alla sicurezza		
۲	Dati e privacy	È stato attivato l'accesso con la verifica in due pas-	10-17 . Italia	
0	Sicurezza	saggi	03.17 (Jana	
õ	Persone e condivisione	Nuovo accesso sul dispositivo Windows	09:11 · Provincia di Varese, Italia	>
8	Pagamenti e abbonamenti	Email di recupero aggiunta	15 giu - Italia	>
1	Informazioni	Controlla le attività relative alla sicurezza (4)		
		Accesso a Google		
		Password	Ultima modifica: 15 giu	>
		Verifica in due passaggi	📀 On	>
		Password per le app	Nessuna	>

Le password per le app ti consentono di accedere al tuo Account Google dalle app sui dispositivi che non supportano la verifica in due passaggi. È sufficiente inserire la password una sola volta, così non dovrai tenerla a mente. Scopri di più

*	
	GENER

Once you have the special app password you will need to use it in the NVR's email panel

ADVISE

If you can't find success with your regular smtp provider, don't go crazy trying to correct settings for that provider. You can try other free accounts online, such as libero.it or email.it. You don't necessarily have to use their POP3 mailbox to receive emails, but you can limit yourself to only use SMTP for sending.



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CONFIGURATION | CHANNELS

Click the CONFIGURATION button then CHANNEL MANAGEMENT to configure the cameras

CHANNELS

In this section you can upload IP cameras and configure channels

NVR 6	.0			►	\otimes	â	\$	₽¢					¢ 4	88 ()
Sistema		>	Elenco Di	spositivi Aggiunti			Cerca		Q	습 Aggiorna teleca	mera	⁺∯ Aggiung	i Manualmente	
Rete				Canale N. 💲	Indirizzo IP 🗘	Nome of	lel dispositivo 🗘	Stato		Protocollo ‡	Porta	¢ Operaz	ioni	
Gestione canal				CH2	192.168.2.197	CH2		🧭 On-Line		Proprietario	80		ዸ ඕ	
Canali														
OSD														
Eventi														
Registrazione														
			Elenco Di	spositivi On-Line (E	anda rimanente:315	Mbps)				Cerca		Q		C) Serca
				No. ‡	Indirizzo I	IP \$	Pro	otocollo 🗘		Porta 🗘		Opera	zioni	
					192.168.2	2.196	Pro	oprietario		80		Đ	e	
					192.168.2	2.198	Pro	oprietario		80		Đ	2	
			O		192.168.2	2.194	Pro	oprietario		80		Ð	2	
					192.168.2	2.170	Pro	oprietario		80		Ð	2	
Conf.base	Conf.completa													

In this section you can add IP cameras to your NVR/DVR.

ATTENTION: The procedure for**adding IP cameras to your video recorder is explained in the installation manual**and use the SEARCH button to activate the search for network cameras that appear in the lower table, and the ADD button, to connect the camera to the NVR. See details in the installation manual.



This manual describes the other commands in the section

🕁 Aggiorna telecamera 🖞 Aggiungi Manualmente 🗊 Elimina

UPDATE CAMERA – With this button you can update the firmware of one or more cameras with a DSE update file that must be copied to a connected USB stick to the NVR.

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ADD MANUALLY – Allows you to enter the data of a new camera manually when it is not possible to use the network search function, for example to connect a camera connected to another network or via the web. DELETE – Delete the selected cameras, freeing the corresponding channels

The channel table includes various indications and commands

×	Canale N. 🗘	Indirizzo IP 🗘	Nome del dispositivo	Stato	Protocollo 🗘	Porta 🌻	Oper	razioni	
	CH2	192.168.2.197	CH2	🤗 On-Line	Proprietario	80	۲	0	Û

CHANNEL/ADDRESS/NAME – Data of the channel and the connected camera

STATUS – Shows a yellow triangle if the connection is not in progress or a green dot if it is camera is connected.

PROTOCOL – Indicates the protocol used to communicate with the camera. It is normally used the Proprietary protocol with our cameras and the Onvif protocol for other cameras brand.

PORT - Indicates the communication port used to communicate with the camera

PLAY ICON - Shows the camera video in a preview pane

EDIT ICON – You can manually edit the camera connection data

Modifica IP: Canale2			×
Indirizzo IP	192.168.2.197		
Protocollo	Proprietario	,	~
Porta	80		
Nome Utente	admin		
Password della telecamera			
		Abbandona	Conferma

DELETE ICON – Delete the camera and free the channel

POE | POE POWER CONTROL

This section is only available in NVRs with integrated POE ports.

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NVR 6.0			0	R≁	D⊒	Ċ
Sistema	>	Controllo alimentazione PoE Configurazione cablaggio PoE				
Rete	>					
Gestione canali	~	CH1 CH2 CH3 CH4				
Canali		2.71W				
POE						
OSD		6 %				
Immagine		Potenza effettiva:2.71W				
Maschere privacy		Potenza rimanente:42.29W				
Eventi	>					
Registrazione	>					
		🛆 Nota:				
		1. La potenza nominale totale del POE è 45 W.				
		2. Quando la potenza rimanente è negativa, significa che la potenza effettiva erogata supera la potenza nominale e occorre scollegare qualche telecamera.				
Conf.base Conf.comple	eta					

Shows the status of the ports which are colored green if the camera is connected with the indication of the power absorbed by each camera and the total power delivered and residual of the NVR

POE | POE WIRING CONFIGURATION

This section is only available in NVRs with integrated POE ports.

This section allows you to permanently connect the physical inputs of the POE ports, located on the back of the NVR, to channels 1-4, 1-8 or 1-16 of the NVR. NVRs with POE ports have this connection active at the factory so that port 1 is reserved for channel 1, port 2 for channel 2 and etc.

In this factory configuration, for example, the NVR has 4 POE ports. Channels 1 to 4 are matched to the NVR ports so any external cameras will be inserted from the 5 in. channel after you.

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NVR 6.0		Þ	&	🌣 B/		Ç 4		Ф
Sistema	>	Controllo alimenta	zione PoE Configurazione cabla	ggio PoE				
Rete	>	Canali	POE standard	🗌 Ext-POE Lunga Dista	anza			
Gestione canali	~							
Canali								
POE				D				
OSD				Ō				
Immagine								
Maschere privacy								
Eventi	>							
Registrazione	>							
		🛆 Nota: nella modalit	à Ext-POE, per lunga distanza, si consi	iglia di collegare una telecamera con una	a risoluzione non superiore a 4MP.			
Conf.base Conf.com	oleta					Ap	plica	

If you connect the cameras only to the NVR ports you can maintain this factory setting.

If instead you connect some cameras to the POE ports of the NVR and others externally on the network, then You should disconnect the POE ports that you don't use in order to have these channels available for external cameras. For example, if you uncheck POE on channels 3 and 4, POE ports 3 and 4 will not connect. they will no longer be able to use. Channels 1 and 2 will remain reserved for POE ports 1 and 2 while any external cameras will be placed starting from channel 3

This page also allows you to choose the type of POE cabling to use for the cameras connected to the POE ports STANDARD POE – Enables standard POE power on the port which allows cabling up to 100 m. with maximum bandwidth 100MB EXTENDED POE LONG DISTANCE – Enables Extended POE power on the port allows wiring up to 250 m. with maximum bandwidth 10MB. Use this option only for cameras with long cabling, exceeding 100 metres.

OSD

In this section you can define the screen overlays for each camera. This is a feature you can use<u>only with analog cameras</u> or<u>with ours</u> <u>RK Series IP cameras connected with PRIVATE protocol (not Onvif)</u>. With other IP cameras you have to set the overlays directly in the camera's internal menu.

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You can overlay the date and time (SHOW DATE AND TIME), choosing the date format, and also the camera name (SHOW NAME), which you type in the box at the top CHANNEL NAME.

The position of the overlay can be chosen in different positions on the screen (OSD POSITION).

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IMAGE

In this section you can adjust the cameras image parameters to compensate less than perfect environmental situations. First choose the channel on which to operate in the box above, then act on the adjustments by checking the effects of your changes directly in the preview. If you connect one of our RK series cameras via the private protocol you can adjust all the internal image options of the camera, while with different IP cameras or with cameras analogue you can only adjust the basic parameters



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The settings available in this menu depend on the camera model. For the detailed explanation of all the adjustments refer to the configuration manual of the camera.

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PTZ

In this section you can set the communication protocol to use for the command analog motorized cameras. It is a section that you only find in our DVRs with BNC inputs because it is only relevant for analog PTZ cameras and does not concern IP cameras.

XVR 5.0		¥ ⊡ ि ∛		
Telecamera Telecamera	Canale			
💭 OSD	Protocollo			
ع السمع	Indirizzo			
⊙ ptz	Baud Rate			
🕑 PTZ	Data Bit			
Maschera privacy	Data bit			
🖉 Maschera Privacy Locale	Stop Bit			
Nome del Canale	Check			
Parametri codifica				
বি Registra flusso				
			Default	pia Applica

You can choose PelcoD, PelcoP, UTC protocol

<u>PelcoD</u> – It is used for all DSE motorized cameras that are controlled via the door RS485 serial port on the back of the DVR. Address, Baudrate, Data Bit, Stop Bit and Parity Check must be the same as those set in the camera. The most common baud rate values are 2400 e 4800 baud. Each camera has its own address which generally starts from the number 1 which is factory set in the cameras.

<u>PelcoP</u> – Another variant of the PelcoD, to be used with cameras from other manufacturers <u>UTC</u> - The UTC protocol is used to control the latest analog cameras which, thanks to this protocol, they are able to receive commands along the video cable, without the need for additional control pair. It is the protocol enabled by default on all analog channels, with which you can control the cameras OSD menu, motorized zoom and even movements of motorized cameras that support this protocol. With the UTC protocol you don't have to set any communication parameters.

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PRIVACY MASKS

In this window you can draw up to 3 masking areas in the image with the mouse darken areas to protect privacy. Typically this function is used to darken areas outside the property.

This is a feature you can use<u>only with analog cameras</u> or<u>with ours</u>

RK Series IP cameras connected with PRIVATE protocol (not Onvif) . With other IP cameras

you need to set privacy masks directly in the camera settings.



Choose the channel to operate on in the top box and then draw the mask directly on the preview. You can define up to 3 rectangular privacy masks. If you are not satisfied use i DELETE commands.

In some analog DVRs you can insert two different types of masks: the standard masks and the local masks. Local masks are masks that only appear in live viewing while the recording is not masked.

CHANNEL CONFIGURATION

This section is only present in DVRs with BNC inputs that can manage both cameras analogue and IP.

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XVR 5.0		٦	Ð	ţ.		Δ 🖻 🤇	Ċ
Standard . Modalità Lite							
⊒E Configurazione Canali							
Rete					0		
P TCP/IP					O		
Ø Filtro indirizzi					0		
GP Archivio cloud					0		
较 Avanzato					0		
Opzion					Ö		
26 Utenti		-					
1 Evento normale							
Evento Al							
Visione live							
☆ Monitor							
🗟 Riquadri							
					Default	Applica	

The DVRs in this range are supplied from the factory with all analogue channels enabled so as to be able to use all the rear BNC inputs.

In this window you can decide to disable one or more analog inputs to enable some

IP inputs. If you uncheck an analog input you will automatically see a certain one activated number of IP channels.

If you disable an analog channel (HD) the related BNC will be deactivated.

Normally you can disable BNC inputs in pairs.

LITE MODE – You can enable lite mode if you want to increase the frame rate slightly of the footage, both live and recorded, reducing the resolution a little. Usually this option is not convenient, but can be interesting if you shoot moving targets fast to increase the fluidity of the video.

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CONFIGURATION | EVENTS

Click the CONFIGURATION button then EVENTS to configure the camera detections. Note that in analog DVRs intrusion detections are made by the DVR while in IP cameras the detections reside in the camera and when you configure the detections in the NVR these will simply transfer them to the cameras. In this section EVENTS are configured only the rules of the surveys while how and when to record is defined in the next section: REGISTRATION

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NORMAL EVENTS | MOVEMENT DETECTION

In this section you can activate the motion detection function, also called: motion

detection.



Motion detection is a very useful function that allows the DVR/NVR to record

only when an intrusion occurs, thus saving a lot of disk space.

It also allows you to send push and email notifications. If you use motion detection, in addition to obtain a much higher storage capacity, you will also have greater ease in

consult the video history because you will see at a glance the moments in which errors occurred

significant events and you won't have to scroll through long periods of empty environments, as happens with the continuous recording.

The use of motion detection is generally advisable, but it also has disadvantages. You can not use motion if the subjects remain still for a long time (in motion detection the recording would stop) or in framing situations where motion detection is not possible can be regulated effectively. You also have to consider that if you record in motion you might lose recordings where the subject is very far from the camera or in a corner of the frame.

Motion detection is not considered intelligent detection because it senses

any type of image modification, regardless of what generates it.

Also remember that to have the most effective detection possible you will have to carry out several tests to find the right compromise between high sensitivity and false detections.

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UNDERSTANDING MOTION ADJUSTMENTS IN IP CAMERAS

In analogue cameras all motion detection functions are carried out by the DVR. In IP cameras, however, no. In IP cameras the detection function is performed by the camera, while the NVR only carries out the alarm actions resulting from the detection. It follows that When you configure motion detection from the NVR, the detection settings, such as enabling, the area and sensitivity are sent to the camera to be put into practice. Our NVR can send these adjustments only to our RK Series cameras, connected with private protocol. With cameras from other manufacturers, the NVR may not be able to control these parameters (Area, Sensitivity and Enablement) remotely and in this case**you will have to set these functions in the camera menu, connecting with the browser**directly to camera.

Now let's see how motion detection is configured, option by option. Remember that in this EVENTS section you can only adjust the detection options, while **you must set how and when to register in the REGISTRATION section**.



CHANNEL - You can activate motion detection differently for each camera. You do

be careful not to underestimate this box, because each channel has a schedule

different, soyou have to individually configure all channels one by one.

ENABLE - Check this option if you want to use motion detection on the selected channel. Note

that you should not enable motion detection on a camera where you plan to

enable intelligent detection functions. If after some tests you have the impression that this

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motion adjustment is not effective is because your camera requires you to perform it directly in the camera menu and not through the 'NVR. You have 3 configuration tabs available.

AREA SETTINGS – You can define in which area of the field of view the detection takes place movement. Areas not covered by the red grid will be ignored for detection purposes. For selecting the detection area colors the image boxes with the mouse. If you want the detection occurs on the entire image, select FULL SCREEN or color all the frames dragging the mouse. Depending on the type of DVR/NVR the active area can also be shown as colored gray instead of the red grid. If after some tests you have the impression that this adjustment is not effective is because your camera requires you to configure the detection directly in the camera menu and not through the 'NVR. SENSITIVITY – You can choose a sensitivity value to exclude, as far as possible, false messages detections due to small movements. Remember that however you can set the sensitivity, you will never be able to completely exclude the probability of false interventions due to multiple factors such as changes in ambient brightness, insects, heavy rain etc.. If after some tests you have the impression that this adjustment is not effective is because your camera requires it you run it directly in the camera menu and not through the 'NVR. SCHEDULED INSERT – For each day of the week you can define time slots

NVR 6.0		Þ		\otimes			\$		₽¢.					¢ 4	E D ⊒	С
Sistema	>	Ril. Movime	nto A	ccecamento	Video P	'erso	Ingressi allar	me L	Iscite allarme	Anomalie						
Rete			Cana	li CH1		~										
Gestione canali			Abilit	a 🛑												
Eventi		(D												
Eventi normali		Impostazioni		Programmati	b Azion								AMadifias	T Capa	la tutto	
Eventi intelligenti		Selez.											<u>e</u> wodinca		ma tutto	
Registrazione			0	2	4	6	8	10	12	14	16	18	20	22	24	
		Domenica														
		Lunedi														
		Martedì														
		Mercoledì														
		Giovedì														
		Venerdì														
		Sabato														
Conf.base Conf.compl	leta														Applic	

enable if you want motion detection to be active only in certain periods.

Color by dragging the mouse the time slots in which you want the detection to be active. From

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In the factory the detection is always active so the table is completely coloured.

ACTIONS - These are the actions that the NVR/DVR will perform following a detection

NVR 6.0		⊵⊗	tā 🌣	E?	C 4 8 0
Sistema		Ril. Movimento Accecamento	Video Perso Ingressi allar	me Uscite allarme Anomalie	
Rete		Canali CH1	~		
Gestione canali		Abilita 🛑			
Eventi		Impostazioni Inserimento Programmato	Azioni		
Eventi norm	nali	Information Information Programmatio			
Eventi intelli	igenti	Azioni comuni	Uscita allarme	Azioni PTZ	
Registrazione		Porta a pieno schermo	□ A-1	Canale CH1 🗸	
		Allarme Acustico		Preset Y	
		🗋 Invio E-mail			
		Z Registrazione Canale			
		Votifica a software supervision			
Carthana	Conformalate				
Conf.base	Conf.compieta				Applica

GO TO FULL SCREEN – You can automatically bring the camera to full screen case of alarm.

ACOUSTIC ALARM - You can activate the internal buzzer of the DVR/NVR at each motion detection. AND' a convenient function to have a local sound alert. We recommend enabling this function while adjusting the motion function, so you can hear if the alarm goes off when you move in front of the camera.

SEND EMAIL – You can send an email in case of detection. For the email to start successfully you must check that the motion triggers properly (check if the little red man appears in the superimposition) and that the SMTP network settings are correct (use the test button in the email section) CHANNEL RECORDING – You can choose to start recording following detection of the movement. Or you can use motion just to launch alerts and record in continuous. NOTIFICATION TO SUPERVISION SOFTWARE – Sends event notification to external software

ALARM OUTPUT – If your DVR/NVR has alarm output, you can choose to activate the output following the detection.

PTZ ACTIONS – If you have motorized cameras in your system you can call back automatically preset a camera so that the camera positions itself automatically to a predefined position.

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DETECTION TEST

To verify that your motion settings are effective you need to perform walk tests while moving within the field of vision, as an intruder might do. It is ideal to have a collaborator for do these tests more comfortably.

When the motion is triggered you must see the little red man icon that appears overlayed in the live image. If you have programmed motion recording, you also need to see it light up the green video camera icon.



Channel recording



Motion detection alarm channel

If during the test you see that the little red man does not appear during an intrusion you must check the motion detection options described above. If instead the little red man appears, but not the green camera is because recording in the event of a motion alarm is not programmed, then check the table in the REGISTRATION section.

NORMAL EVENTS | BLINDING

In this section you can set the anti-blinding function which is used to generate an alarm if a camera produces a black image because it is covered by malicious people. Not all models of cameras support this function.



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ENABLE – Enables detection

SETTINGS - Trace with the mouse the portion of the image on which to activate the detection

SENSITIVITY - Set the sensitivity if the camera supports it

SCHEDULED ARMING - Colors the time slots in which to enable the detection

ACTIONS – In case of detection you can enable the alarm actions already described for the detection

of movement: Full screen, Audible alarm, Email sending, Alarm output, Preset recall

of cameras

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NORMAL EVENTS | LOST VIDEO

In this section you can activate alarm actions in case of loss of a video signal

it may be caused by a fault or sabotage.



ENABLE – Enables detection

SCHEDULED ARMING - Colors the time slots in which to enable the detection

ACTIONS - In case of detection you can enable the alarm actions already described for the detection

of movement: Full screen, Audible alarm, Email sending, Alarm output, Preset recall

of cameras

NORMAL EVENTS | ALARM INPUTS

If your DVR/NVR has alarm inputs here you can configure their operation

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NVR 6.0	• • • • • • • • • •	-L]	01	⊕
Sistema	> Ril. Movimento Accecamento Video Perso Ingressi allarme Uscite allarme Anomalie			
Rete	> Ingressi allarme 1 Y			
Gestione canali	> Abilita			
Eventi	V Impetizzioni Isserimente Programmate Azioni			
Eventi normali				
Eventi intelligenti	Tipo allarme Normalmente Chiuso			
Registrazione	Nome Allarme alarm_in_1			
Conf.base Conf.completa			Applic	a

ALARM INPUT - Each input on the terminal block has its own programming

ENABLE - Enables the selected alarm input

ALARM TYPE - You can choose NO operation (Normally open, alarm on closing)

or NC (Normally closed, alarm on opening)

ALARM NAME - You can edit a name that identifies the function of the input

SCHEDULED ARMING - Colors the time slots in which to enable the detection

ACTIONS – In case of detection you can enable the alarm actions already described for the detection

of movement: Acoustic alarm, Send email, Alarm output, Recall camera presets.

You can also define which cameras to bring to full screen and record.

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NVR 6.0		Þ (8	\$	Ep.		Q	- 1 2	001	Ċ
Sistema	>	Ril. Movimento Acc	ecamento Video Perso	Ingressi allarme	Uscite allarme Anomalie					
Rete	>	Ingressi allarme	1	~						
Gestione canali	>	Abilita								
Eventi		Impostazioni Inserimento P	morammato Azioni							
Eventi normali										
Eventi intelligenti		Azioni comuni	🗌 Uscita allarme	Registrazione video	Porta a pieno schermo	🗌 Azioni PTZ				
Registrazione	>	Allarme Acustico	🗌 A-1	CH1	🗆 СН1	Canale				
		🗌 Invio E-mail		🗌 СН2	🗌 СН2	Preset				
				🗆 СНЗ	🗆 СНЗ					
				СН4	CH4					
				🗌 СН5	□ CH5					
				🗌 СН6	СН6					
Conf.base Conf.comple	ita								Appl	ica

NORMAL EVENTS | ALARM OUTPUTS

If your DVR/NVR has alarm outputs you can configure them here

NVR 6.0		Þ	\otimes	-Q	\$	₹¢			¢	-1	01	Ф
Sistema	>	Ril. Movim	ento Accecamento	Video Perso	Ingressi allarme	Uscite allarme	Anomalie					
Rete		NO	Abilita	Nom	e Allarme	Durata		Ora allarme				
Gestione canali			Disabilitato	✓ ala	rm_out_1	5 Secondi	~					
Eventi												
Eventi normali												
Eventi intelligenti												
Registrazione												
Conf.base Conf.c	completa										Аррію	a

ENABLE – Enables the selected alarm output

ALARM NAME - For each output on the terminal board you can edit an identifying name

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DURATION – You can define how long the output remains active in the event of an alarm (from 5 sec to 10 min)

ALARM TIME - Colors the time bands in which to enable the alarm output

NORMAL EVENTS | ANOMALIES

In this section you can enable a report in case of anomalous events such as:

Disk not present

Disk writing errors

Network disconnected

IP conflict on the network

Disk full



For each anomalous event you can enable a message on the monitor, the sending of an email, the sound of the internal buzzer and activation of outputs.

INTELLIGENT EVENTS | CROSSING

If you have connected one of our RK cameras with intelligent detection to your NVR line crossing here you can set the detection parameters.

Line crossing allows you to detect the crossing of a virtual line by

a person.

Note that the adjustments for these intelligent functions reside in the camera. The NVR gives you allows you to set the configuration and send it to the camera. Refer to the manual

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RK Series camera setup for more details on these features.



CHANNELS - You can set intelligent functions only for cameras that support them.

DRAW/END DRAWING - Click to draw the crossing line with the mouse

on the live image

SENSITIVITY - Adjusts the detection sensitivity

AREA - You can draw up to 4 virtual crossing lines

DIRECTION – You can define whether to detect crossings in one direction only or in both directions.

SCHEDULED ARMING - Colors the time slots in which to enable the detection

ACTIONS – In case of detection you can enable the same alarm actions already described above for the motion detection.

INTELLIGENT EVENTS | AREA INTRUSION

If you have connected one of our RK cameras with intelligent detection to your NVR human here you can set the detection parameters. Almost all of our cameras today they have human detection. Human intrusion detection in an area is distinguished from motion detection we have already described how it exclusively detects people, ignoring movements other nature. If you use this detection you should disable motion detection normal, which you find among normal events. Note that the adjustments for these intelligent functions reside in the camera. The NVR gives you

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allows you to set the configuration and send it to the camera. Refer to the manual

RK Series camera setup for more details on these features.



CHANNELS – You can set intelligent functions only for cameras that support them.

DRAW/END DRAWING - Click to trace the area in which to survey with the mouse

the intrusion

SENSITIVITY - Adjusts the detection sensitivity

TIME THRESHOLD – You can define a delay between detection and the start of the alarm.

AREA – You can trace up to 4 detection areas

SCHEDULED ARMING - Colors the time slots in which to enable the detection

ACTIONS – In case of detection you can enable the same alarm actions already described above for the motion detection.

INTELLIGENT EVENTS | STAY

If you have connected one of our RK cameras with intelligent permanence detection to your NVR here you can set the detection parameters.

Human permanence detection is used to generate an alarm if a person remains in one certain area for longer than permitted.

Note that the adjustments for these intelligent functions reside in the camera. The NVR gives you allows you to set the configuration and send it to the camera. Refer to the manual RK Series camera setup for more details on these features.

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CHANNELS - You can set intelligent functions only for cameras that support them.

DRAW/END DRAWING - Click to trace with the mouse the area in which to detect the

stay

SENSITIVITY - Adjusts the detection sensitivity

TIME THRESHOLD – You can define how long a person can stay inside

of the defined area without generating the alarm.

AREA – You can trace up to 4 detection areas

SCHEDULED ARMING - Colors the time slots in which to enable the detection

ACTIONS – In case of detection you can enable the same alarm actions already described above for the motion detection.

INTELLIGENT EVENTS | CROWDING

If you have connected one of our RK cameras with intelligent crowding detection to your NVR here you can set the detection parameters.

Human crowding detection is used to generate an alarm if crowding occurs in a certain area crowded with a greater number of people than allowed.

Note that the adjustments for these intelligent functions reside in the camera. The NVR gives you allows you to set the configuration and send it to the camera. Refer to the manual RK Series camera setup for more details on these features.

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CHANNELS – You can set intelligent functions only for cameras that support them.

DRAW/END DRAWING - Click to trace the area in which to survey with the mouse

the crowding

% CROWDING - Adjusts the amount of people in the area needed to trigger

the alarm.

AREA – You can trace up to 4 detection areas

SCHEDULED ARMING - Colors the time slots in which to enable the detection

ACTIONS – In case of detection you can enable the same alarm actions already described above for the motion detection.

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CONFIG. | **REGISTRATION**

Click the CONFIGURATION button and then choose REGISTRATION to open the page you need allows you to control the Hard Disk and recording rules.

PLAN

On this page you define how to record the cameras depending on the time and day of the week

NVR 6.0		Þ	\otimes	Q	\$		Ŗ					Ç 4		Φ
Sistema	>		Canali 1		~									
Rete			Abilita 🛑											
Gestione canali														
Eventi	>	🔀 Video continu	o 🗌 Ril. Movir	nento 🔲 Ingress	o 🗌 Ril.Intelli	gente	公 Cancella				🖉 Modifica	🛍 Canci	ella tutto	
Registrazione								14	16	18	20	22	24	
Pianifica	k	Domenica				_								
Parametri		Lunedì										_		
Archiviazione		Martedì												
Config. Avanzata		Mercoledì												
		Giovedì												
		Venerdì												
		Sabato												
									Pre/Post	reg.	Copia Canale		pplica	
Conf.base Conf.comple														

The first thing you need to do is choose the channel to configure at the top. Each camera has its own programming so you have to configure them one by one. If you want to configure all channels in the in the same way you can configure channel 1 and then use the COPY CHANNEL button.

Choose the channel to configure above and then color the green or yellow bands in the calendar with the mouse weekly. The green bands indicate continuous recording, the yellow bands indicate the recording only in case of motion detection (motion detection).

To color the table, choose the green or yellow color at the top, then drag the mouse directly onto it calendar.

If your DVR/NVR has alarm inputs for external contacts, in addition to the yellow and green colors you can also color the table RED (recording from alarm input). If you use ours RK Series IP cameras with intelligent human detection, you can also color the table BLUE (intelligent recording).

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You can set up several types of recording at the same time so it is advisable

Always keep the green continuous recording active to ensure you never lose no image.

NVR 6.0		Þ	\otimes	-Q	\$		J.					¢ 4	01	Ф
Sistema	>	Can	ali 1	~										
Rete	>	Abili	a 💽											
Gestione canali	>													
Eventi		Uideo continuo	Ril. Movimento	🗹 Ingresso	Ril.Intellig	ente	\land Cancella				🖉 Modifica	🗊 Cancel	la tutto	
Registrazione	~		2 4					14	16	18	20	22	24	
Pianifica		Domenica												
Parametri		Lunedi										-		
Archiviazione		Martedì				_	_						-	
Config. Avanzata		Mercoledì												
		Giovedì												
		Venerdì												
		Sabato												
Conf.base Conf.compl	leta								Pre/Pos	t reg.	Copia Canale	Ар	plica	

The PRE/POST REC button. allows you to set the pre-registration period, which allows you to record a certain period before the survey, and the post-registration period i.e. the recording duration following the event.

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NVR 6.0		►.	\otimes	-Q	\$		Fŗ.					Ç 4	88
Sistema	>	Can	ali 1		~								
Rete	>	Abil	ta 🛑										
Gestione canali	>												
Eventi		Video continuo	Ril. Moviment	o 🛛 🗹 Ingres	so 🗌 Ril.Int	elligente	\land Cancella				🖉 Modifica	i 🗐 Cance	ella tutto
Registrazione	~		Impostazion	i avanzate				×	16	18	20	22	24
Pianifica		Domenica	P	re-registrazione	5 Secondi		~						
Parametri		Lunedì	Po	st-registrazione	5 Secondi		~						
Archiviazione		Martedi											
Config. Avanzata		Mercoledì				Abbando	na Salv	a					
		Giovedì											
		Venerdì											
		Sabato										-	
									Pre/P	ost reg.	Copia Canale	e Ap	oplica
Conf.base Conf.comple	eta												

With the EDIT button you have another way to schedule recordings.

You can set each day's time slots manually instead of tracking them with the mouse.

		•		Jan 1					.+. (
IV V R. 6.0	Modifica il programmatore							\$		
Sistema										
Rete	Giorno	D	~							
Gestione canali	Periodo1	00:00 - 23:59	٩	Video continuo	<mark> </mark> Ril. Movimento	🔲 Ingresso	Ril.Intelligente			
Eventi	Periodo2	00:00 - 00:00	©	Video continuo	🗌 Ril. Movimento	Ingresso	Ril.Intelligente	ca 🖻	Cancella	tutto
Registrazione	Periodo3	00:00 - 00:00	0	Video continuo	🗌 Ril. Movimento	Ingresso	Ril.Intelligente	2	2	24
Pianifica	Periodo4	00:00 - 00:00	۲	Uideo continuo	Ril. Movimento	Ingresso	Ril.Intelligente			
Parametri	Periodo5	00:00 - 00:00	٩	🗌 Video continuo	Ril. Movimento	🔲 Ingresso	Ril.Intelligente		-	
Archiviazione	Periodo6	00:00 - 00:00	٩	🗌 Video continuo	Ril. Movimento	Ingresso	Ril.Intelligente			
Config. Avanzata	Periodo7	00:00 - 00:00	٩	🗌 Video continuo	Ril. Movimento	🔲 Ingresso	Ril.Intelligente			
	Periodo8	00:00 - 00:00	O	🗌 Video continuo	🔲 Ril. Movimento	🔲 Ingresso	Ril.Intelligente			
	Соріа	🔲 Tutti						-		
			Пм	М	GUV	□s		-		
						Abb	andona Salva			
						Pre	/Post reg. Copia Car	nale	Appli	
Conf.base Conf.c	ompleta									

REGISTRATION VERIFICATION

To make sure you have set the registration table correctly, check

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the live image of the cameras. If the recording is in progress you must see the overlay the green camera icon.

Channel recording

If the channel does not record even though you have set the table well, check the HARD section DISK because there may be problems on the hard disk on which the files are stored recordings.

PARAMETERS | MAIN FLOW / SECONDARY FLOW

In these windows you set the main and secondary video streams of the cameras. Each camera can generate two video streams: the main stream and the stream secondary (substream). The main video stream is the one at the highest resolution It is used in full screen viewing and recording. Secondary streaming, or sub stream is the lightest one that is used when viewing many screen cameras and so on Internet.

This section consists of two tabs: one for the main streaming and one for the secondary. Each channel has its own configuration.

<u>IN IP CAMERAS</u> video streaming adjustment is done in the settings camera, not via the NVR. This is because the NVR does not process the video arriving from the camera, but just receives it. However, our NVRs allow you to adjust the streaming of our RK series IP cameras by configuring the options which are then sent to the camera. You will find two separate configuration pages for the two video streams. If you have not connected RK series IP cameras, these pages are not effective.

<u>IN ANALOG AND AHD CAMERAS</u> video streaming adjustment is done in the DVR as it is the DVR that digitizes the analog signal. On this page you can set the DVR video encoding parameters for each channel.

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NVR 6.0		Þ				\$	<i>y</i>		¢	t 4	D⊒	٩
Sistema	>	Flusso p	rincipale Flusso s	secondario								
Rete	>	Canali	Tipo di flusso	Risoluzione		Gestione Bitrate	Bit-Rate (Kb/S)	Frame Rate	Codifica video			
Gestione canali	>		Audio/Video	✓ 1920x1080	~	Variabile VBR 🗸 🗸	2048	25fps 🗸	H265			~
Eventi			Audio/Video	✓ 3840x2160	~	Variabile VBR 🗸 🗸	4096	18fps ~	H265			~
Registrazione	~		Audio/Video	✓ 2592x1944	~	Variabile VBR 🗸 🗸	4096	20fps ~	H265			~
Pianifica			Audio/Video	✓ 2592x1944	~	Variabile VBR 🗸 🗸	2560	25fps 🗸	H265			~
Parametri			Audio/Video	✓ 2592x1944	~	Variabile VBR 🗸	2560	25fps 🗸	H265			~
Archiviazione												
Config. Avanzata												
Confibore Confion	nalata										Applic	
Cont.base Cont.con	npieta											
						*			ſ	*	go	(1)
TU V IX 6.0			v v	Q		*	210		-		0#	0
Sistema	>	Flusso p	rincipale Fluss	secondario								
Rete		Canali	Tipo di flusso	Risoluzione		Gestione Bitrate	Bit-Rate (Kb/S)	Frame Rate	Codifica video			
Gestione canali			Audio/Video	✓ 1280x720	~	Variabile VBR 🗸 🗸	1024	25fps 🗸	H265			~
Eventi	>		Audio/Video	✓ 1280x720	~	Variabile VBR 🗸	512	18fps ~	H265			~
Registrazione			Audio/Video	✓ 720x480	×	Variabile VBR 🗸	512	20fps ~	H265			~
Pianifica			Audio/Video	✓ 1280x720	×	Variabile VBR 🗸	1024	25fps 💊	H265			~
Parametri			Audio/Video	✓ 1280x720	~	Variabile VBR 🗸	1024	25fps 🗸	H265			~
Archiviazione												
Config Avanzata												

In this manual we do not explain in detail the meaning of the adjustment items

video streaming from IP cameras. You can find this information in the camera manual.

STREAM TYPE - You can choose Video or, if the camera allows it, Audio/Video

RESOLUTION – The resolution of the video stream

BITRATE MANAGER - You can choose CBR (constant band) or VBR (variable band) management

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constant quality)

BITRATE – Sets the maximum bandwidth (Kb/s) that the camera will occupy FRAME RATE – The number of frames/second that you set to the highest value or possible reduce to limit the space occupied on the disk at the expense of less fluidity of the images movement.

VIDEO ENCODING – Choose H265, the most up-to-date format, for maximum efficiency compression or H264 if the camera does not support H265 – With our RK cameras you can enable further improvement in H265+ or H264+ compression which reduce bandwidth consumption further.

STORAGE | DISK MANAGEMENT

In this tab you control the memory drives (internal or USB)

NVR 6.0			8 t ã	🗱 🗗		C 4 8 ()
Sistema	>	Gestione del disco	Archiviazione su cloud			
Rete		🗘 Aggiorna 🛛 🖶 Formati				
Gestione canali						
Eventi	>	□ No. \$	Stato	Capacità Totale	Capacità Residua	Tipo Dispositivo
Registrazione		D 1	In uso	488.39G	0G	SATA
Pianifica						
Parametri						
Archiviazione						
Config. Avanzata						
Conf.base Conf.com	pleta					

On this page you can check the status of the internal hard disk of the DVR/NVR and find out the total and residual capacity. With the FORMAT button you can proceed to format the disk with the deletion of all data. When the DVR/NVR detects a new disk it prompts automatically formats at startup so you generally don't need to go into this window to make it usable. However, this window can be used to check the status of the disk and to do a forced formatting if you want to delete all the recordings. If your hard disk is working well, in this window you should see it indicated as IN USE with correct indication of maximum and residual capacity

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STORAGE | CLOUD STORAGE

The RK Series NVR/DVRs allow you to save images recorded in the event of an alarm on a server CLOUD storage via the Internet. Google cloud service is supported. In this case, yes These are services similar to our P2P Cloud to facilitate connection, but rather archive spaces web that you can purchase from Google to store data online. Note that continuous recordings cannot be saved to the cloud, only images afterwards

to alarm (motion, alarm input etc.)

NVR 6.0	D	S 🕈 🛱	¢	*2 88	Ċ
Sistema	Gestione del disco	Archiviazione su cloud			
Rete					
Gestione canali	> Abili				
Eventi	> Cartella di Uploa	d event picture			
Registrazione	V Nome Utent				
Pianifica	Capacità Total	e OMB			
Parametri	Capacità utilizzal	a OMB			
Archiviazione					
Config. Avanzata		Test Applica			
Conf.base Conf.complet	a				

Before completing this table you must obviously subscribe to Google

Cloud and have access credentials. You also need to create a folder in your cloud space where to save your files.

On this page you must enter your Google Cloud login details. After entering the required data use the TEST button to verify that they are correct.

Once connected, the available and occupied space on the server will be indicated.

ADVANCED CONFIGURATION | CONFIGURATION

On this page there are some additional settings related to video archiving

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NVR 6.0			\otimes			₽	₽ŗ,		¢	÷	Ф
Sistema	>	Configurazione	S.M.A.R.T								
Rete	>										
Gestione canali	>	Di	sco pieno So	ovrascrivi	~						
Eventi	>	Max. archi	vio video IIIi	mitato	~						
Registrazione	~										
Pianifica				Арриса							
Parametri											
Archiviazione											
Config. Avanzata	×										
Conf.base Conf.comple	eta										

DISK FULL – If you choose Overwrite the NVR will overwrite the oldest files once it runs out disk space. If you choose Don't overwrite recording stops when it runs out of space on disk.

MAX. VIDEO ARCHIVE – You can limit the video archive to a certain number of days to accommodate to regulations relating to privacy.

ADVANCED CONFIGURATION | SMART

On this page, a disk test is performed to evaluate its health

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NVR 6.0		D (8	-Q		\$					¢ 4	03	Ċ
Sistema	>C	onfigurazione S.M	.A.R.T										
Rete	>	HDD N.	1		~	Condizioni di te	ist 0						
Gestione canali	>	Tipo di test	Breve		~	Auto valutazion	e PASSE						
Eventi	>	Temperatura				Valutazione genera	le PASSE						
Registrazione	`	Previsione di durata (h)											
Pianifica	Informazio	oni S.M.A.R.T.											
Parametri	ID	Nome Attributi				Stato	Flags	Soglia	Valore	Minima	Raw value		
Archiviazione		Raw_Read_Error_	Rate			ок			100	100			
Config. Avanzata		Spin_Up_Time				ок			93	93	3140		
		Start_Stop_Count				ок	50		100	100	433		
		Reallocated_Secto	r_Ct			ок			100	100			
		Seek_Error_Rate				ок			100	100			
		Seek_Time_Perfor	mance			ок			100	100			
		Power_On_Hours				ок	50				98096		
		Spin_Retry_Count				ок			100	100			
Conf.base Conf.complet		Calibration_Retry_	Count			ОК	18		100	100			

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MAINTENANCE

In the maintenance section there are various operations for maintaining the system.

SYSTEM INFORMATION

On this page there is information about the video recorder with the firmware version it is the internal software of the device

NVR 6.0	\otimes	Q	\$	5 ⁄		¢	ŀ	Ů
Informazioni sistema								
Aggiornamento dispositivo								
Ripristino	Nome Dispositivo	Network Video Rec	corder					
Manutenzione automatica	Numero di canali	32-CHANNEL						
Importazione Esportazione	Versione Piattaforma	1.0.3.50						
Informazioni canali	Versione WEB	23.1.50.230527						
	Versione firmware	N3332_32NR_BVF	H2P0A4_E0001550	1_V2.0.3.230526_R4				
	Data di rilascio	May 24 2023 14:4	48:28					

DEVICE UPDATE | MANUAL UPDATE

On this page you can update the device's firmware if you have received a update from our customer service. The file must be copied onto a USB stick and then inserted into the NVR/DVR. By inserting the USB stick the file is detected and listed in the table. To start update, choose the file and press UPDATE. The UPDATE button searches for the update file again.

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NVR 6.0		¢	-21	: U
Informazioni sistema	Aggiornamento manuale Aggiornamento On-Line			
Aggiornamento dispositivo	순 Aggiorname 🛛 O Aggiorna			
Ripristino	NO ⁺ Nome Dimensioni Data			
Manutenzione automatica				
Importazione Esportazione				
Informazioni canali				

RESTORATION

On this page you can restore the device's factory parameters. You can choose between complete restore of all parameters and simple restore that preserves credentials login and network settings.

NVR 6.0	\otimes	Ō	\$	₽¢			4	÷	٩
Informazioni sistema									
Aggiornamento dispositivo									
Ripristino	Ripristin	o semplice 📘	Descrizione: r e i parametri o	ipristina tutti i parameti di rete	ri predefiniti tranne la passw	ord utente			
Manutenzione automatica	Ripristino com	npleto di fabbrica	Descrizione: r	ipristina tutti i parameti	ri predefiniti				
Importazione Esportazione									
Informazioni canali									

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AUTOMATIC MAINTENANCE

On this page you can set the automatic restart of the DVR/NVR which is set at the factory

once a week

NVR 6.0	S 🛱 🌣 🗗	Ç 4 88 ()
Informazioni sistema		
Aggiornamento dispositivo		
Ripristino	Riavvio automatico Una volta la settimana V Mercoledi V 30ra V 3Minuti	~
Manutenzione automatica		
Importazione Esportazione	Applica	
Informazioni canali		

IMPORT / EXPORT

On this page you can export the entire DVR/NVR configuration to a file or import one previously exported configuration. It is a useful function for saving the configuration performed in case of failure.

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NVR 6.0	►	\otimes		₽	E}-		¢	ł	Ф
Informazioni sistema									
Aggiornamento dispositivo		Importa co	nfig.						
Ripristino									
Manutenzione automatica		Esporta	3						
Importazione Esportazione									
Informazioni canali									

CHANNEL INFORMATION

On this page you can check information on the cameras connected to the different channels with the video resolution and camera firmware version

NVR 6.0	▲	\otimes	a 🌣 (3 2	\$ Ð	01	Ċ
Informazioni sistema	Canale N. 🕈	Nome del canale	Risoluzione del Canale	Versione telecamera			
Aggiornamento dispositivo		CH1_ee cc	1920x1080	FG2_16NR_BVH0L1A0T0Q0_E00015501_V2.0.6.230921_A1			
Ripristino		CH2	3840x2160	KL8_1ND_BVH5L1A0T1Q0_E00015501_V2.0.5.230203_R1			
Manutenzione automatica		СНЗ	2592x1944	GL5_16NR_BVHIL0A0T0Q0_E00015501_V2.0.2.221215_R2			
Importazione Esportazione		CH4	2592x1944	KL5_1ND_BVH0L1A0T1Q0_E00015501_V2.0.7.230329_R1			
Informazioni canali		CH5	2592x1944	KL5_1ND_BVH0L1A0T1Q0_E00015501_V2.0.7.230329_R1			