

Video recorders Series DN

NVR for IP cameras

AHD DVR cameras / Analogue / IP



Operative manual for the installer and for the user

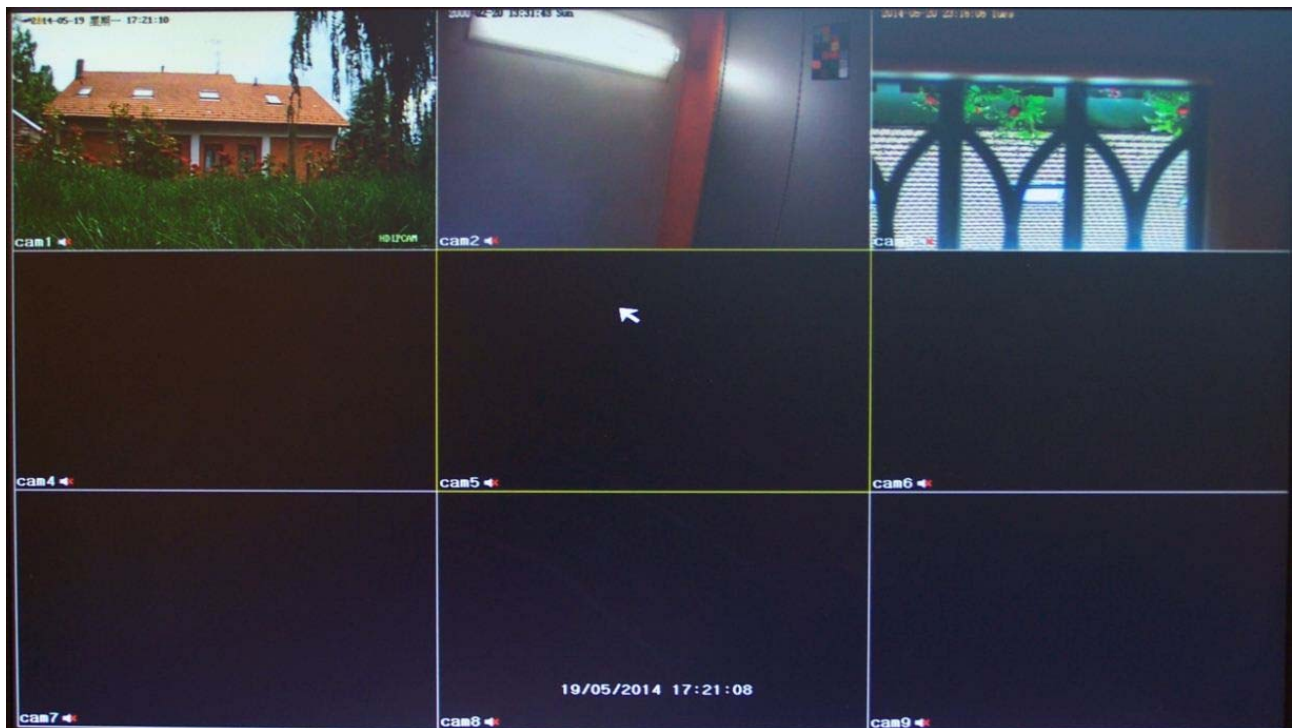
How to use the GUI screen. How to set the programming options.

Contents of this handbook

The range of VCRs DN series is designed to allow the management and the recording of CCTV cameras AHD, Analog and IP based on ONVIF protocol. In this manual, the control graphical user interface is described and all the options contained therein. It is assumed that the video recorder and the camera has been connected properly following the instructions in the installation manual. For convenience it will refer to commands by using the mouse.

Turning the NVR

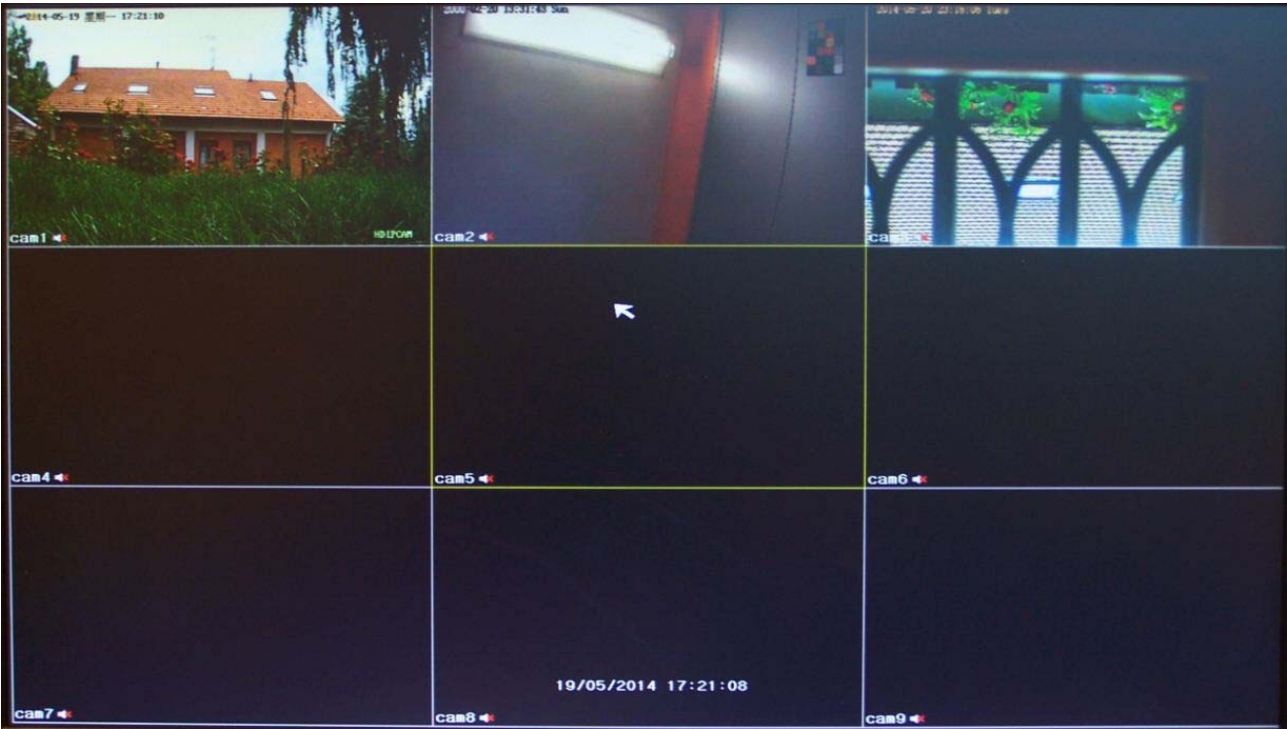
After having prepared the connections and installed on the hard disk as explained in the installation manual it is possible to proceed to the first ignition. Connect the power plug, and positioned the rear switch to the ON position. L 'NVR will start automatically.





live Control

This section of the manual describes how to use the controls in the LIVE Vision.



Upon starting the VCR is proposed the simultaneous multi-vision camera with screen division in 4, 9 or 16 frames, depending on the model in question. The multi-technology DVR feature of some operating combinations that may also provide additional possibilities for splitting up to 32 channels. If at this stage the camera images do not appear in the boxes control the settings addressed in the installation manual.

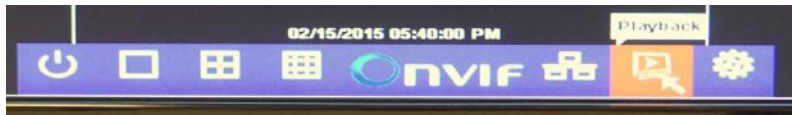
channel status icons

Each camera pane shows the overlays provided in configuration and some icons that reveal the input status as per the following table

Icon			
Description	Motion detection activated	Recording in progress	Audio playback / Off

Show toolbar

To show the toolbar bring the mouse to the bottom of the screen. The bar will appear at the bottom of the screen:



The toolbar disappears by clicking anywhere on the screen or automatically when idle. The toolbar contains buttons for access to the main functions of the VCR.



LOGOUT - Opens the panel output by the system from where it is possible to carry out operations 4: 1- Turn off the NVR 2- Restart 3 - Restart with reset to factory settings 4 - Exit the Log-in requiring a new authentication.



FULL SCREEN - Brings the selected camera full screen. In full screen viewing it is possible to switch from one camera to the next by double-clicking on the image.



MULTIVISION - Click for multivision options 4/9/16 or more boxes in

Depending on the NVR / DVR model you purchased. In multivision more cameras you can bring a camera full screen by double-clicking with the mouse.



NET - Access to the NVR network settings (see below)



PLAYBACK - Opens the recorded movie playback page (see below)

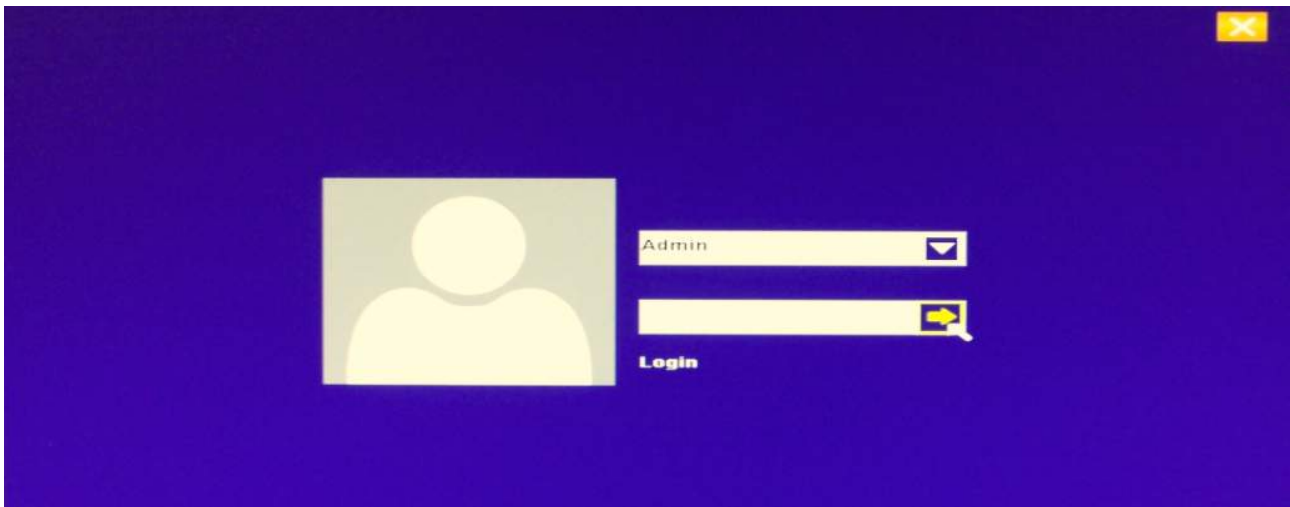


-Aprè OSD on-screen menu for configuration (see below)

Login

In order to use the toolbar, or any other command you need to log in logging in with their credentials. By default login credentials are as follows:

USERNAME: admin PASSWORD: (leave blank)



For the first access is therefore simply leave the password field blank. Later, you can set a custom administrator password and more users as we shall see

If you enter an incorrect password 10 times the system will lock out for 30 minutes.

The context menu

As an alternative to the toolbar, you can access the VCR control by clicking the right mouse button anywhere on the screen to show the context menu



OSD MENU - Opens the on-screen menus to configure and complete control of NVR / DVR



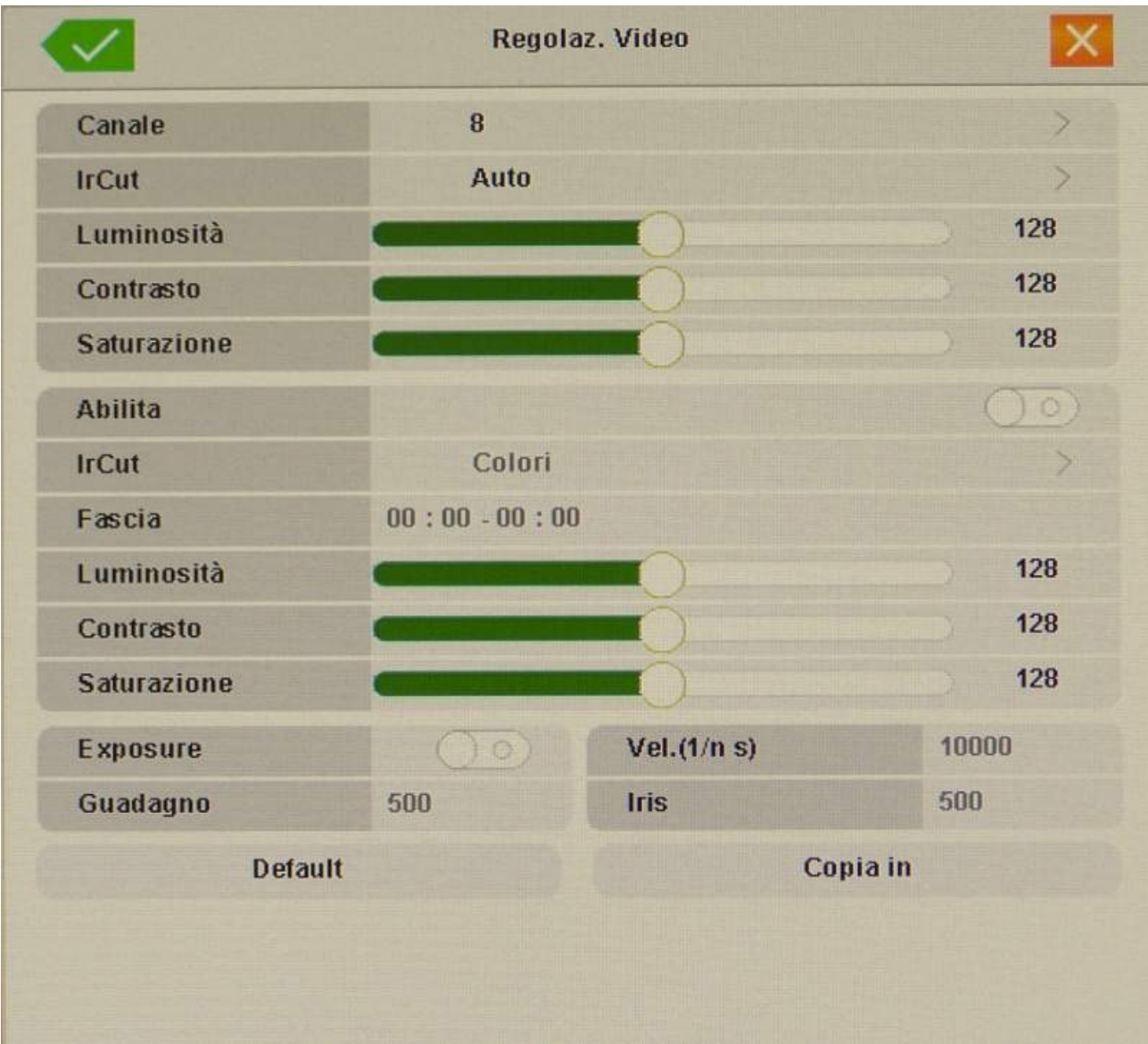
which will be described later in the manual.

PLAYBACK - Opens the recorded movies playback page

QUICK PLAYBACK - Opens the playback pages and plays the last 15 sec 30 sec 1 min 5 min. of registration

VIDEO SETTINGS - Allows you to adjust the video camera settings. Clicking on a camera and choosing this option opens a control panel.

In the case of local cameras of the multi-DVR technology, the adjustment acts directly on the video signal from the camera. In the case of IP cameras instead of the VCR directly modifies the video settings in the camera. The latter adjustment, however, is not operational on all IP camera models because not all cameras accept that these adjustments are carried out via the NVR. In this case to operate these adjustments will need to directly access the camera menu using the browser or dedicated programs to the manufacturer.



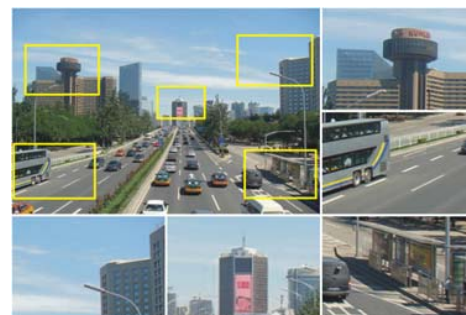
PTZ - Opens the control panel for any speed dome motorized cameras which is described in the following chapter. You can open both the normal control mode, the PTZ control with mouse (ePTZ). In addition with the commands Start and End TOUR is commanded the tour of the speed dome cameras ie scanning between different presets. The tour sequence program in the camera configuration or also from the NVR as described later. P2P - Opens directly to the board, whose enable P2P access to connect to the cloud server that will be described later.



PIP - With the full-screen view of a camera, you can press this button to view other camera in either a small window superimposed (Picture in Picture).

You can quickly change the camera displayed on the PIP frame and move the frame position in the window.

PAP - If you select a camera full screen and PAP press the button, the screen layout will be changed and you will see the camera surrounded by five frames. Select a frame and then draw a zoom area using the mouse in the main image. Expanded panel will appear in the box next to the image. You can define 5 zoom boxes that can be moved at will in the camera field of view. To delete a box and reprogram just click on it with the right mouse button.



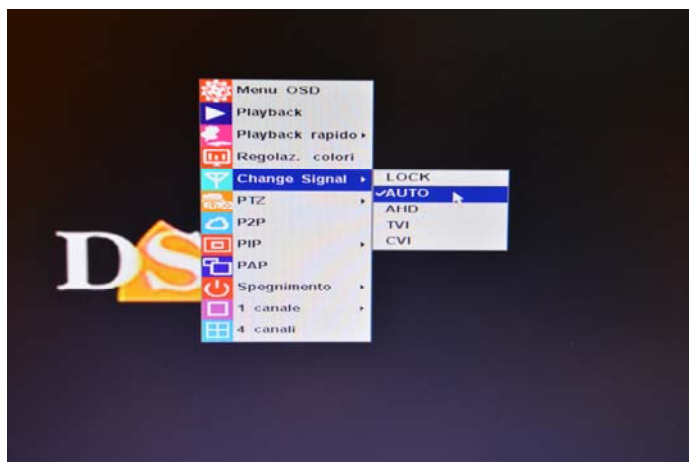
The configuration of each of the PAP camera stays stored in the NVR and will be automatically recalled each time the PAP button. IPC ADD - Allows you to connect new IP cameras to the NVR as shown in the installation manual.

LOGOUT - This button provides three options: Turn off the NVR, the NVR restart or exit the login (to access the NVR command options have to type credentials)

1,4,9 CHANNELS - Allows you to control the multi-image of the live screen, similar to how you can do it from the bottom toolbar.

CHANGE SIGNAL - In newer versions of firmware for multi-technology DVR you can also force the DVR to use a specific analog video format between AHD (DSE), CVI (Dahua), TVI (Hikvision) or CVBS (traditional analog).

After reaching a good result to select LOCK to prevent automatic changes.



The PTZ control of speed dome cameras

The VCR is capable of directly controlling the motorized cameras speed dome. You should choose the motorized camera by clicking on the right button, then click the PTZ CONTROL option,

The selected camera will switch to full screen and you will get the following control panel



Before you can act on command buttons you need to set the PTZ camera control method as explained later in this manual. The recorders are capable of controlling both IP PTZ cameras, through onvif protocol, analog / local AHD cameras, via the RS485 port and Pelco D protocol

MOVEMENTS - Acting on the arrows to move the camera in all directions. **ZOOM / FOCUS / IRIS** - Check the camera lens. Some controls, such as fire control and manual iris, may not be supported by the camera settings. **SPEED** - Defines from 1 to 10, the displacement speed of the camera. Note that regardless of this setting many cameras also change their speed according to the zoom.

PRESET - E 'can set a preset by entering the preset number (1 ... 256), in the Preset box and placing the camera and pressing the SETUP button. To recall the preset enter the number and press GO. To delete a preset, press DELETE MOUSE PTZ - clicking this button controls the camera by acting directly with the mouse over the screen: Click your right to exit.

TOUR - With this button you set up a sequence of tour ie the continuous movement of the camera between various preset with a configurable dwell time. To start and stop the tour act on the context menu item to the PTZ TOUR (TOUR start / end TOUR) as previously described.

The command UTC OSD menu of local cameras

Almost all our cameras AHD technology include the function UTC (xxxxxU initials) This feature allows you to control the camera internal menu without using the button on it, but acting on the other of the video cable with a UTC controller, ie a remote control device to be purchased separately.

The DN series recorders are able to directly operate the OSD menu with UTC function cameras so much more comfortable and without having to purchase a separate controller.

It must choose the camera control AHD UTC clicking on the image with the right button, then click the PTZ / PTZ CONTROL option,

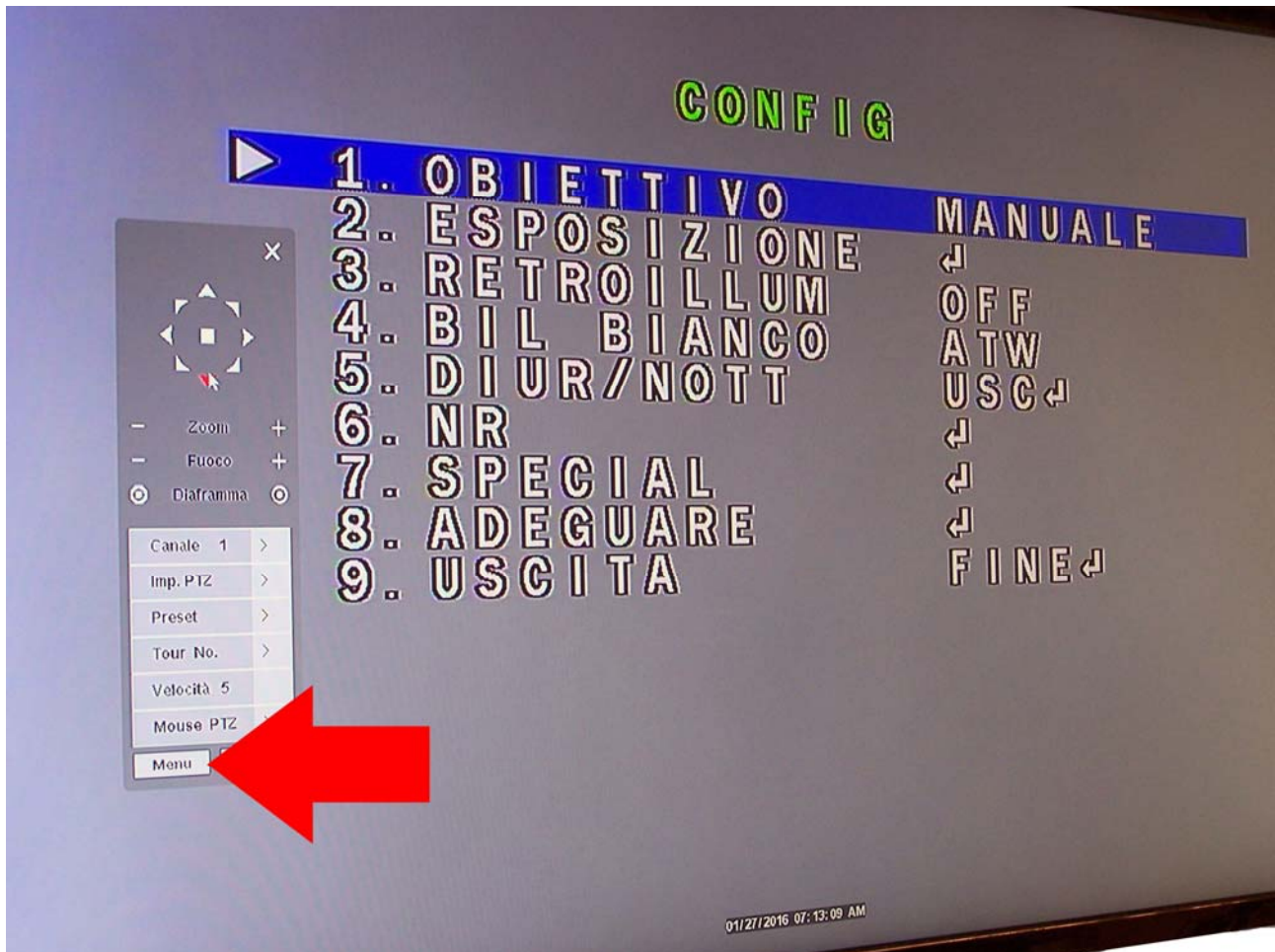
The selected camera will switch to full screen and you will get the following control panel



Before you can act on command buttons you must set the camera control method of UTC, as explained later in this manual. If you want you can also access the settings from this panel with the SET button. PTZ. In particular it is essential to set the UTC mode and NEXTCHIP Protocol to control the camera remotely menu.

Once the remote control set to UTC will show the MENU button that allow you to open and edit the OSD menu of the camera connected to that channel

If the camera with UTC is also equipped with autofocus zoom you can control it with the zoom buttons +/-



digital zoom

In full-screen live view of a camera you can carry the digital zoom on a particular by placing the mouse on the point to be magnified by turning the mouse wheel. E 'can also draw with a mouse to zoom a particular pane.

Repositioning cameras

In live view you can rearrange the layout of the cameras at will simply by dragging them to the new location.

Configuration Menu

Click the right mouse button and select OSD MENU to open the configuration menu

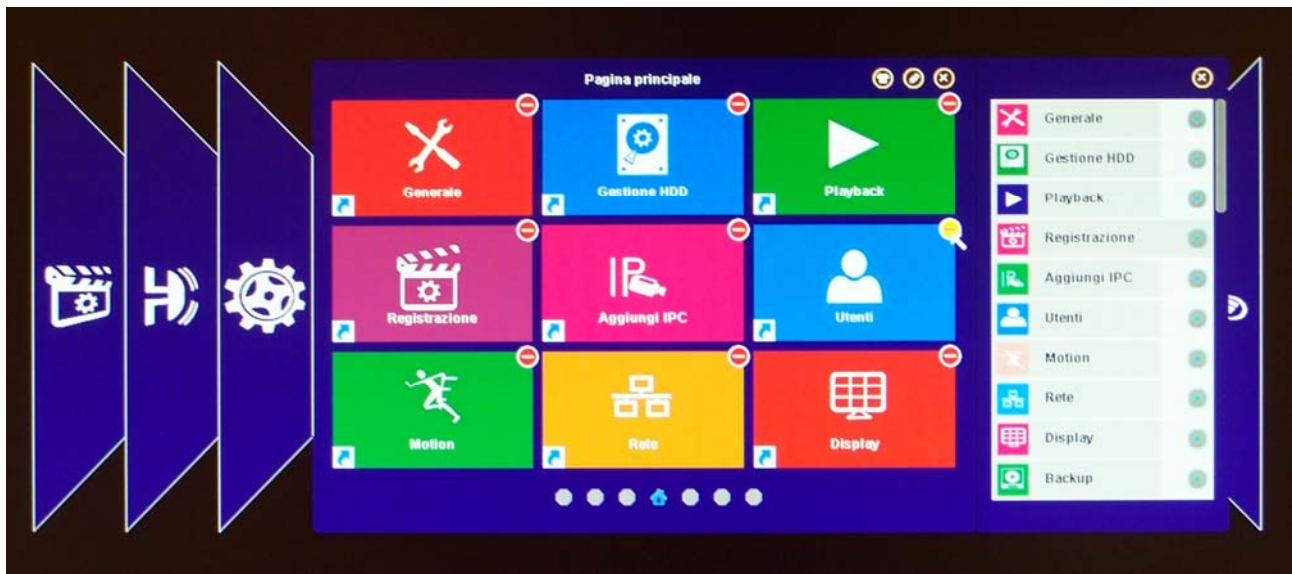


The NVR / DVR DN series setup menu is innovative and consists of 7 pages customized to suit the user in a manner similar to the management of smartphones. Below the menu, you can move between pages



In the central page, marked by the shed, are present links to the most frequently used buttons on the menu. In the other pages (3 right and 3 left) are all the buttons divided into logical categories.

With top right buttons you can customize each page by changing the background colors and adding or removing buttons



OSD - General Options

This chapter of the manual describes how to configure the options that affect the overall operation of the video recorder.

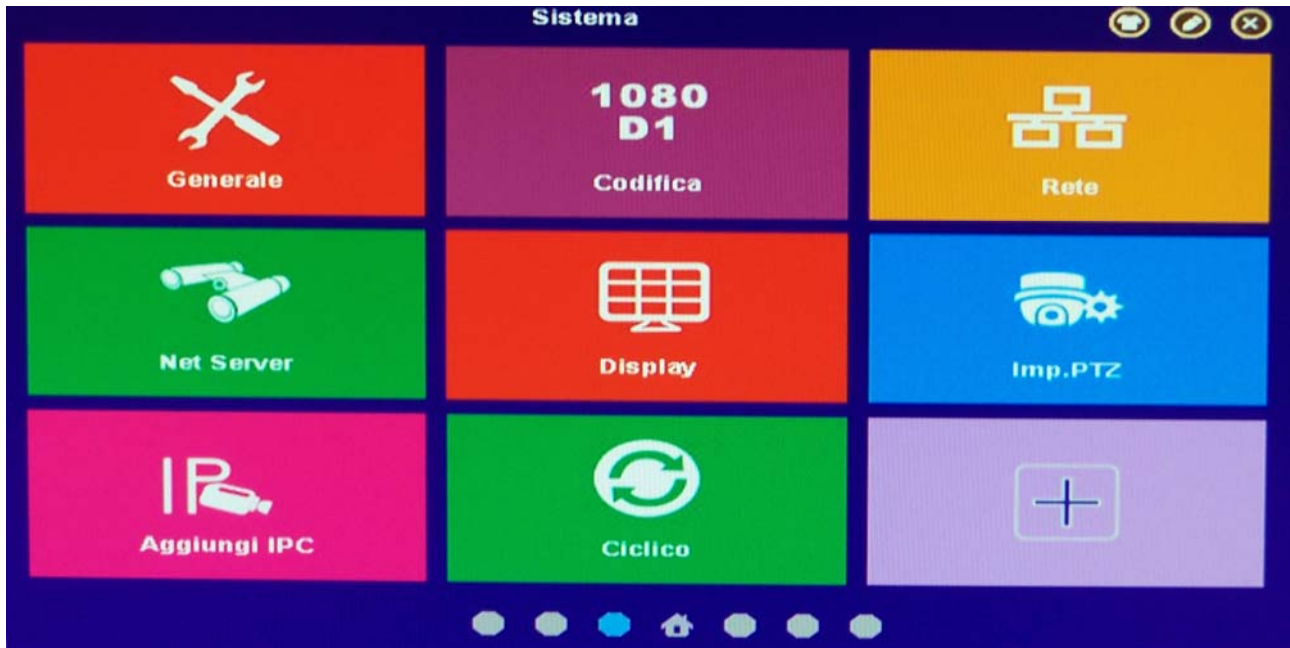
To access the control of these functions open the OSD menu by clicking the right mouse button and choosing from the context menu OSD MENU.

Once you have logged-in as described above will open the following window:



The general options screen is opened by clicking the gear icon on the left





GENERAL



This section contains the maximum settings of NVR / DVR as date, time, etc.



Generale	
Data e Ora	15 / 02 / 2015 16 : 52 : 39
Fuso orario	GMT -01:00
Sync. tempo	>
Formato Data	GG MM AAAA 24
Lingua	Italiano
HDD pieno	Sovrascrivi
Risoluzione	1080P50
Standard video	PAL
Logout autom.	0 min
Key Voice	<input type="checkbox"/> Auto agg. IPC <input type="checkbox"/>
Autorizz. canali	<input type="checkbox"/>

DATE / TIME - Enter the date and time current

TIME - Indicates the reference time zone of the NVR. In Italy choose GMT + 1 SYNC - E 'can synchronize your DVR time at a certain time of day.

DATE FORMAT - Allows you to choose the date display format. Typically in Italy you use DD / MM / YYYY ie 2 digit day / month 2-digit / 4-digit year

LANGUAGE - Change the language of the OSD. By default, the configured language is ITALIAN but all major languages are available.

MANAGEMENT ARCHIVE / HDD FULL - Here you decide how to act the NVR / DVR once exhausted the capacity of your hard disk. You can choose from STOP (stop recording) and OVERWRITE to continue recording over the oldest files. In newer versions of firmware also it introduces the ability to automatically delete images after a certain number of days (1 to 30) to adapt to the needs or privacy regulations. RESOLUTION - Select the VGA and HDMI video output resolution. By default this value is quite low set to give compatibility with all monitors. It 'good to bring the video resolution to the value closest to the optimum resolution of your monitor. Today almost all modern monitors support 1080P 50Hz. If your monitor supports this resolution, which is the maximum set, you may want to use it for optimal video performance. STANDARD VIDEO - Video format analog output. In Italy keep the PAL setting



AUTOMATIC LOGOUT - Defines after how many minutes of inactivity should be forced exit from the OSD and will require a new log-in to regain control of the system. KEY VOICE - Not used on this model

AUTO AGG. IPC - Enabling this feature each new network detected camera will be connected automatically to the NVR. CAUTION: If you leave enabled the automatic addition of a function of each cameras installed in the network camera will be automatically added to the NVR and you can not eliminate cameras in manual mode.

CHANNELS WITH LOGIN (SETUP button. GUIDED) - This function is very important when using the VCR. If you enable the DVR / NVR will not show any live image until it is not carried out a log-in user.

Enabling this option will require especially if they are present in the cameras you want are not visible by unauthorized personnel.

CODE



This section includes all of the management regulations of incoming video streams from the cameras, both local and IP.

Note always the big difference between the cameras of the local management and the IP. In local cameras encoding parameters define how the DVR digitizes analog video input streams. In the IP cameras instead of the VCR records the flow as well as it is produced by the cameras, so that, when operating changes in this section, the NVR will directly edit the STREAM1 settings in the internal configuration of the cameras.

While in the local cameras you can intervene in this section with tranquility, in the IP channel is a change rather delicate, for the reasons listed below. First you must be careful not to set parameters that are not fully supported by your camera. Also note that if the camera is connected to other client (browser, CMS software, other NVR etc.), they too will see a modified characteristic of the video stream to handle.

For all these reasons it is always advisable not to modify the video stream through the NVR settings in this window, but through direct access to the IP camera with a browser or with software supplied by the manufacturer. The configuration via NVR should be performed only when it is not considered feasible or convenient direct configuration.

The VCR allows remote adjustment of only one main stream (STREAM1), to adjust more manageable stream from the camera must operate directly in the camera setup menu.



CHANNEL - Select the channel to configure. The options available in the following boxes will depend on the information that the camera will send the DVR indicating its configuration possibilities.

MAIN STREAM / STREAM SUB - For all cameras can handle two streams. The main stream (main stream) is high resolution, while the secondary stream (sub stream) is typically set to be lighter for use over the Internet. In local cameras both streams can be set in this section, while in the IP channels you can only adjust the main stream, while the secondary stream is necessary to intervene in the camera settings.

RESOLUTION - the video stream of the channel resolution. **FRAME RATE** - Number of frames per second channel

BIT RATE - Sets the maximum bandwidth that can be occupied by the video stream of the channel **I FRAME** - E 'the interval between two consecutive I-Frame in the H.264 compression. They generally do not

editable.

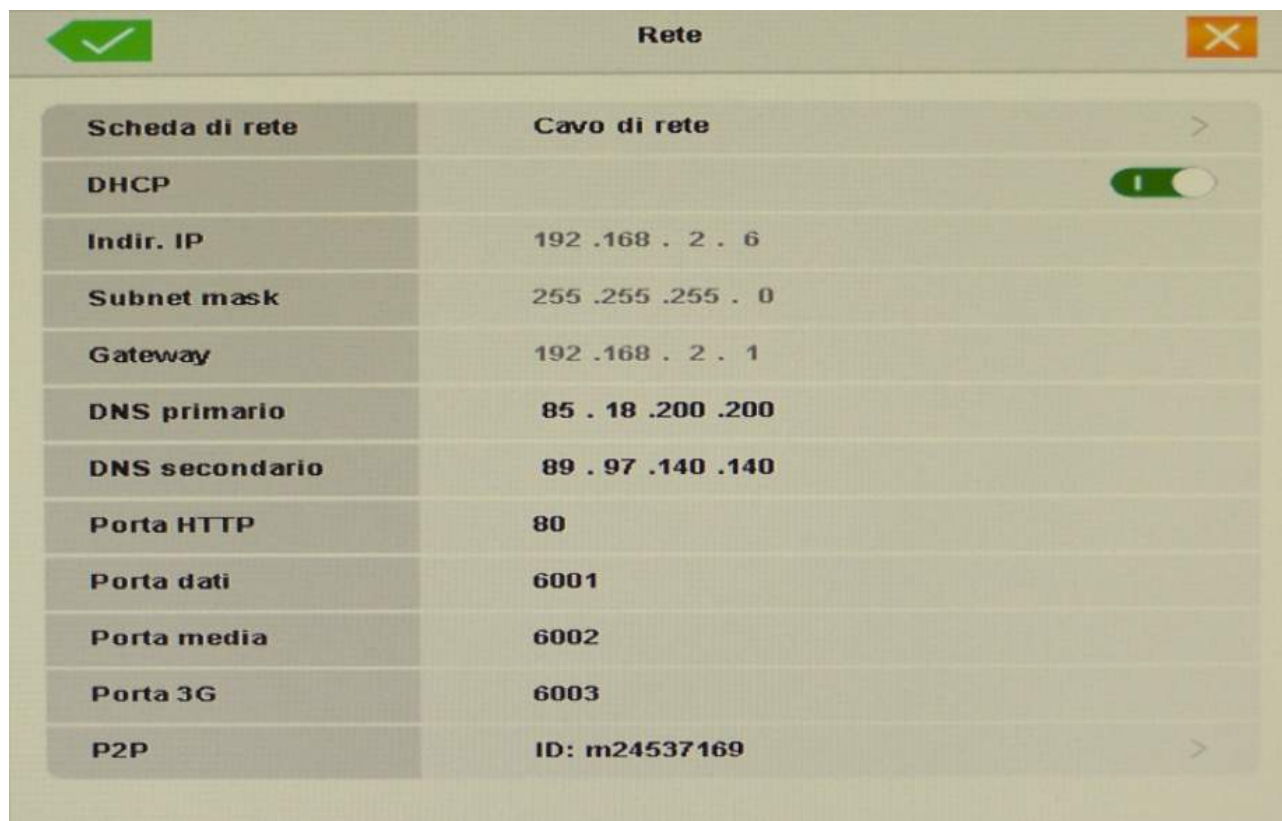
ENABLE VIDEO / AUDIO - Select whether to record video, audio or both. COPY - Copy channel settings programmed on one or more other channels.

Note that the settings in this section refer

NETWORK



This section allows you to configure the network parameters of the NVR



Scheda di rete	Cavo di rete
DHCP	<input checked="" type="checkbox"/>
Indir. IP	192 .168 . 2 . 6
Subnet mask	255 .255 .255 . 0
Gateway	192 .168 . 2 . 1
DNS primario	85 . 18 .200 .200
DNS secondario	89 . 97 .140 .140
Porta HTTP	80
Porta dati	6001
Porta media	6002
Porta 3G	6003
P2P	ID: m24537169

NETWORK CARD - One option: network cable.

DHCP - E 'can choose the IP address automatically via a network DHCP server, or set the parameters manually. The DHCP automatic configuration can be useful to those who administers the network independently to learn about the settings used by the network to which you connect. After that it is always preferable to set a manual fixed address in order to avoid that the same may change automatically



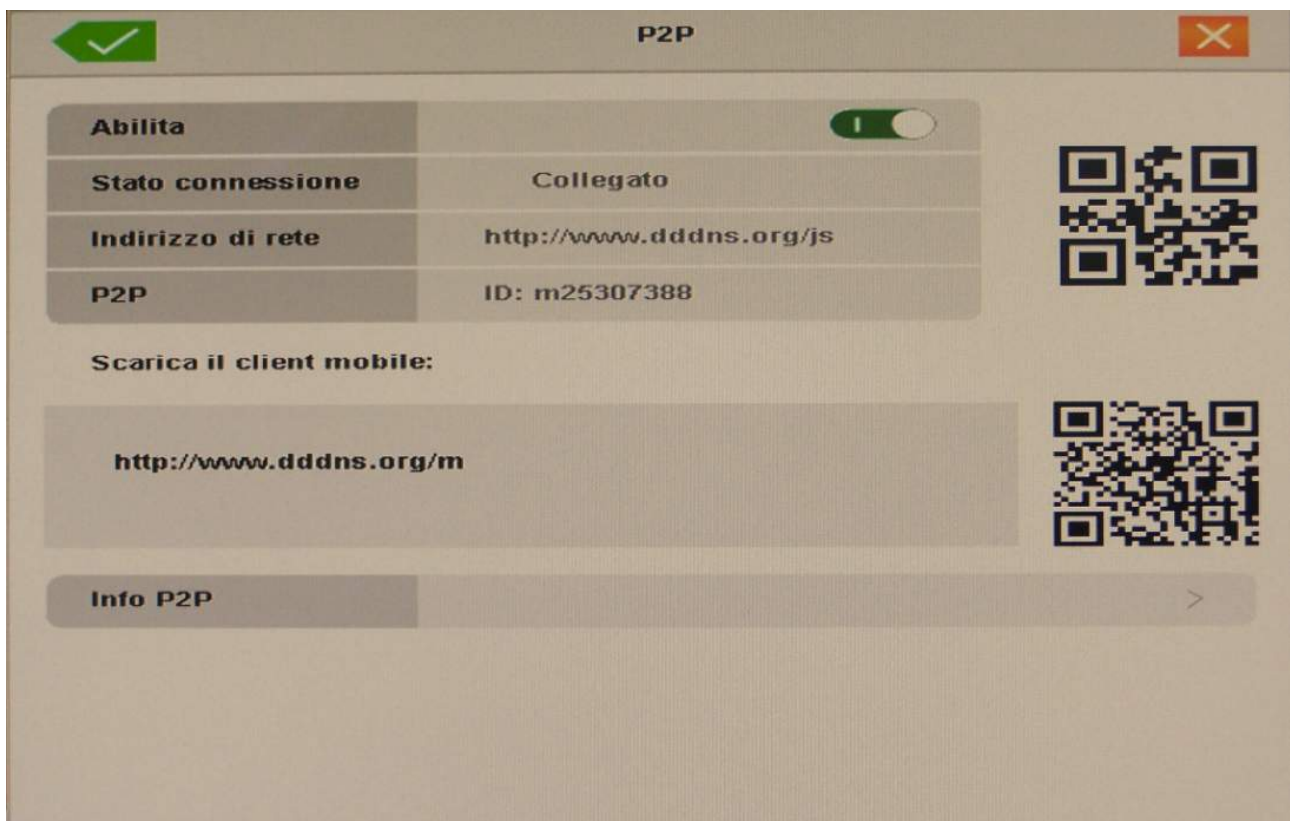
future. You need to enter IP address and subnet mask as for all network devices as well as the gateway and DNS to connect to the Internet.

HTTP PORT - And 'the port used in the remote connection to the browser such as Internet Explorer PORT DATA - And' the port used to communicate with the CMS program centralization and towards the tablet.

DOOR MEDIA - And 'the port used for the transmission of the video stream in the remote connection to all types of clients

PORT 3G - And 'the port used to communicate with mobile devices

P2P - Enables communication with our server CLOUD WWW.DDDNS.ORG as described in the installation manual to allow connection to the NVR without the need for static IP address or map the router ports. This button shows the ID of the NVR to be used in WWW.DDDNS.ORG site to access your NVR.

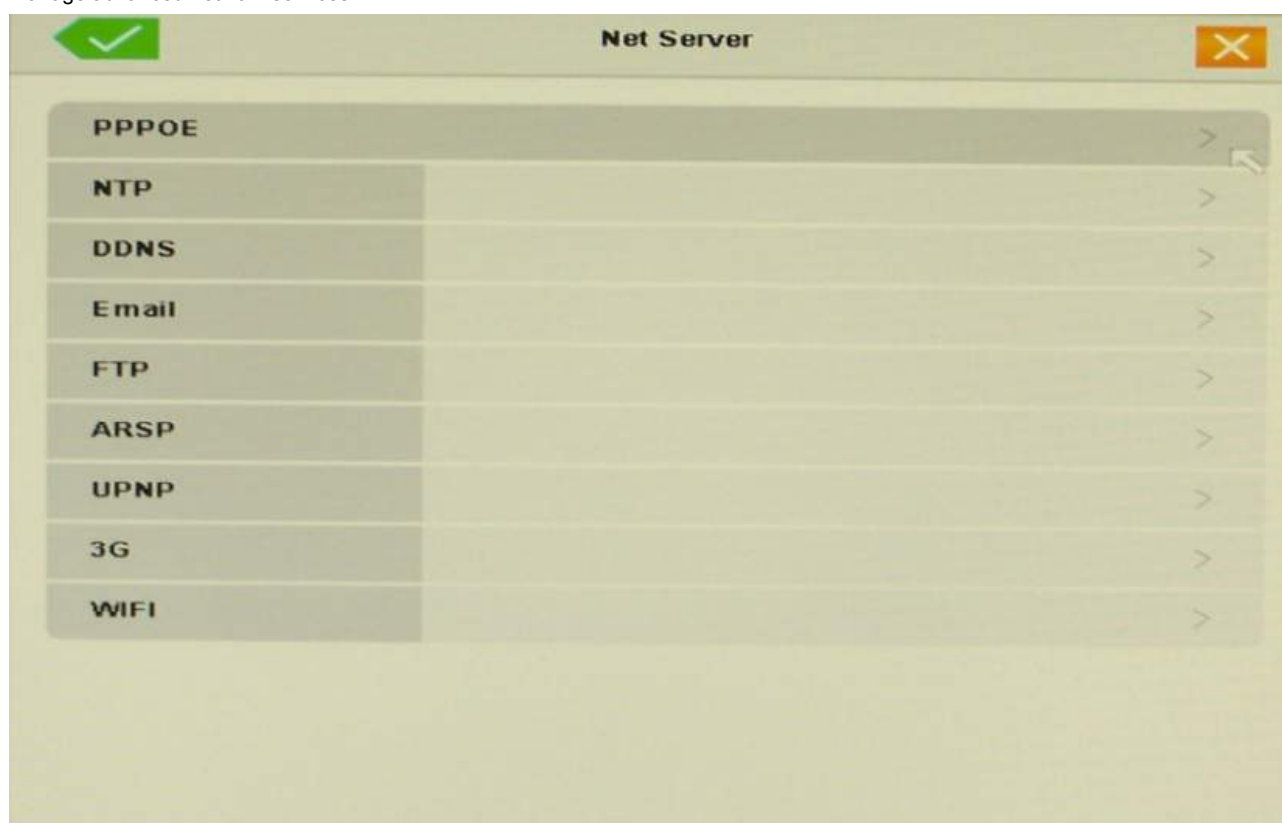


Clicking the voice ABOUT P2P will get more details on the current connection.

NET SERVER



This section allows you to define the parameters for communication with other network devices such as e-mail server, FTP server etc. to manage advanced network services



PPPOE - E 'can connect the VCR directly to an ADSL modem without realizing a real network, since it is able to handle the PPPoE protocol for the log-in directly. Pressing the Settings button, you can enter your username and password to log-in required by the provider.

NTP - you 'can make sure that the NVR / DVR will automatically synchronize its time and date with an NTP server via the Internet. Pressing the Settings button, you can enter the server name to use and the time zone. It 'also settable refresh rate. DDNS - In order to reach an NVR through an Internet connection you need to call the IP address that the router has the WAN side (to the Internet). This address is assigned by your ISP. The best thing is to get an IP address from the provider of static type, that it is stable over time. More often, however, it has to do with variable IP addresses that may change each time you connect. The NVR / DVR DN series include a convenient service CLOUD Free www.dddns.org (see installation manual) that allows



simply to circumvent the obstacle, but you can also use instead the following DDNS services: *3322.org*, *dyndns.org*, *no-ip.com*, *oray.com*, *a.press.com*, *changeip.com*, *myq-see.com*. The DDNS services are available online, without charge, in which the DDNS provider provides the user with a name of a domain that you can type on the client device to achieve its NVR. The provider will direct the call to the correct IP address that 'NVR will at that precise moment.

The DDNS service, in order to function, it needs a device internal network periodically sends the updated IP address to the DDNS server. Typically this task of updating is entrusted to the router to a PC on the network, but also the same NVR is able to do so. Pressing the Settings button you enter the parameters for this IP DDNS update feature, ie the provider with which you are subscribed, the assigned domain name and login credentials.

E-MAIL - Among the many alarm actions that VCRs are able to perform is sending e-mail to which you can also attach a photo taken at the time of the event. Pressing the Settings button to enter the E-mail transmission parameters. First set the port used for SMTP send (typically to 25) and, if the provider so requests, the user name and password to access the SMTP server. Then it shows the e-mail address (max.

3) and the email address you use your VCR as the sender. The SSL / TLS switch is activated if the provider uses these encrypted protocols. Finally you choose whether to attach your photo taken at the time of occurrence of the event.

Remember that different providers integrate into their spam filter SMTP server that may prevent the sending of email from devices other than the classic mail client computer. In this case it may have to subscribe to the exterior free subscriptions to your provider.

FTP - Among the many alarm actions that NVR / DVR DN series are able to perform is sending the frame alarm to an external FTP server. Pressing the Settings button, you can enter the FTP server parameters to be used, namely: address, port, and login credentials.

ARSP - Today DDNS system no longer used.

UPNP - If you enable this option the DVR / NVR will try to automatically map ports of the router needed direct access through the Internet (without cloud server). Check the router configuration to enable this protocol (if supported).

3G / 4G - E 'can connect your VCR to the Internet using a 3G key for cellular network directly plugged into a USB port of the NVR. In this section we enter the authentication data required by the provider. However, this option is rarely used because always advisable to entrust the management of 3G key to a 3G router, possibly

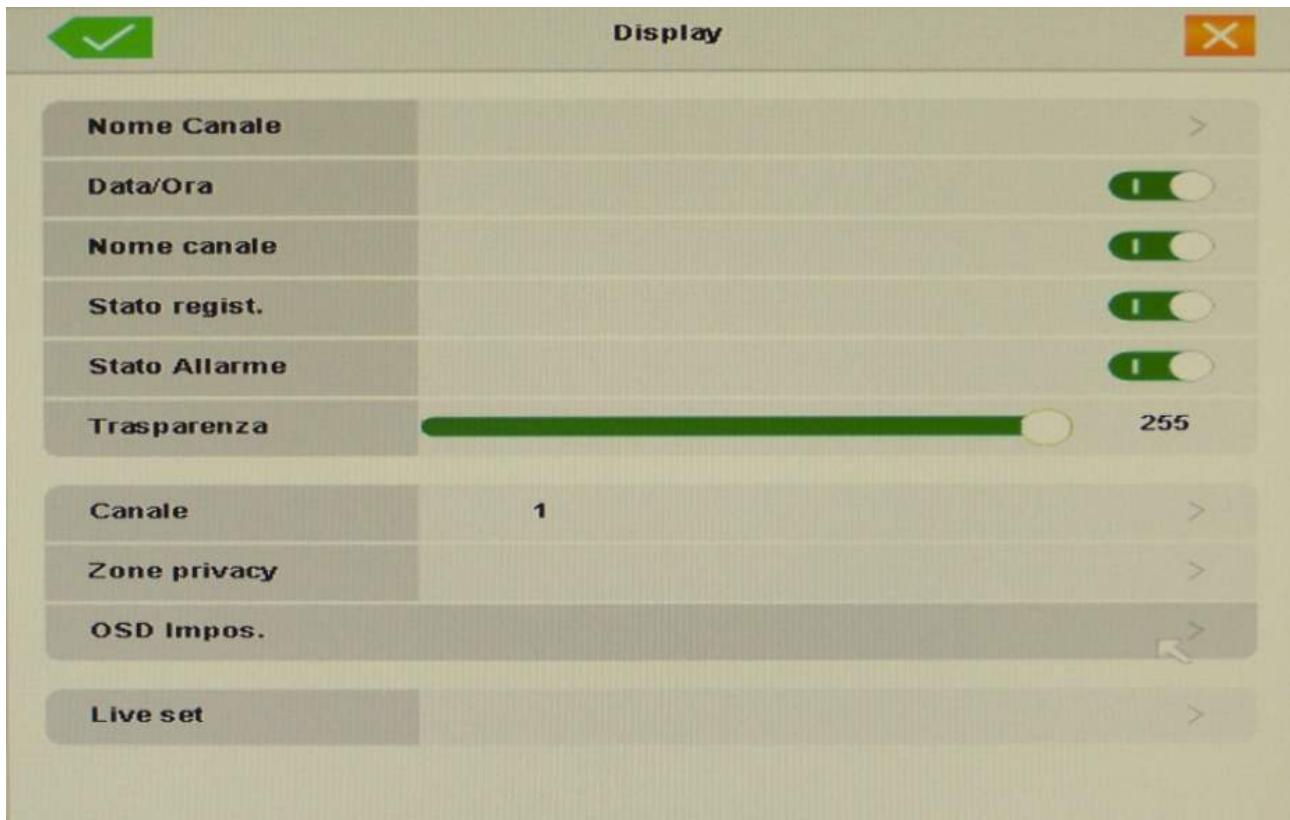
guaranteed by the ISP.

WIFI - You can use the NVR with wifi connection by connecting to a USB port of the NVR a wifi stick with RT3070 chipset. It is however recommended always to prepare a wired connection to a more regular operation of the network functions.

DISPLAY



This section allows you to adjust the display options on the NVR monitor



CHANNEL NAME - E 'possible to edit a custom name for each DATE / TIME Camera - Enables the display of date / time system at the bottom of the screen. CHANNEL NAME - Enables the display of the camera name in the lower left pane of each camera.

STATE REGISTRATION - Enables the display of the red dot, the current recording rate, lower left pane of each camera.

STATE ALARM - Activates the display of the low alarm in the left pane of each camera.

TRANSPARENCY - E 'can adjust the transparency of overlays from 0 (completely transparent) to 255 (fully visible). This adjustment affects all lines and written over video in the VCR screen.

CHANNEL - Choose the channel on which to apply the following two settings in the **PRIVACY ZONE** window - Allows you to set the privacy masking zones in the camera. This function can be used only for analog cameras local / AHD. In IP cameras privacy zone must be set in the camera menu and this command can not be used.

OSD SETTINGS - Defines the position of overlays in the box by dragging with the mouse. This function can be used only for analog cameras local / AHD. In IP cameras editing must be done in the camera menu and this command can not be used.

USE MAIN STREAM / Live Set - This setting is intended only for IP channels and allows you to adjust the use of streaming video in live screen viewing. By default, for greater smoothness of operation the DVR uses the primary stream when it shows a full-screen camera and the secondary stream when dividing the screen into multiple quadrants. **DEFAULT** This mode is widely recommended because using your main stream high-resolution when the camera is shown in a small box not by visual benefits and increases the video latency. For special applications, however, it is possible to set one or more cameras in 4-channel mode, 9 channels, 16 channels (depending on the VCR). For example, if you set a camera on 4 channels,

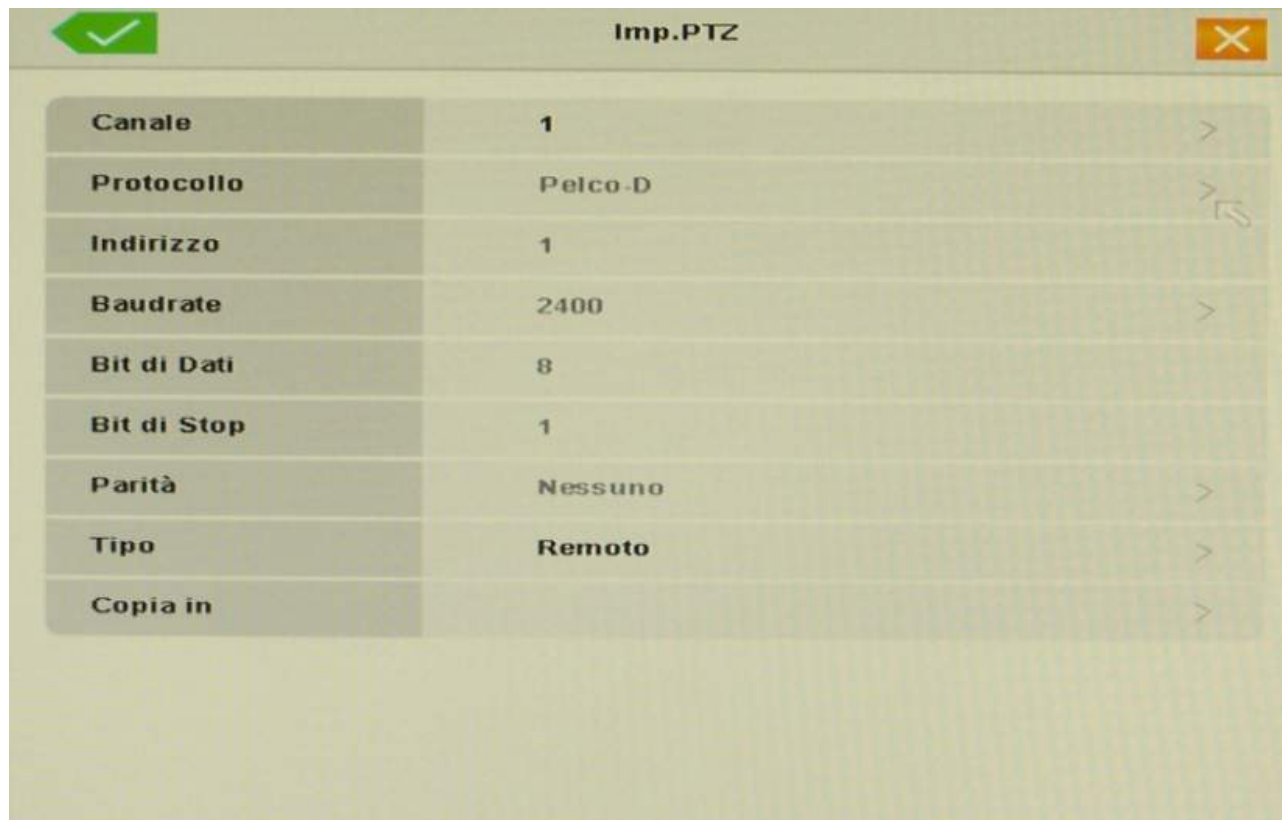
It is recommended not to change this setting if you do not really need as it could have counterproductive effects on live video instead of providing benefits.

PTZ



This section sets the controls of the motorized speed dome cameras. The IP motorized cameras do not require a separate wiring for the control of movements as it happens for the speed dome analog as all commands are sent via the network protocol. Local motorized cameras instead are controlled with the RS485 serial port of the VCR. It 'also possible in this section control the OSD menu

AHD cameras equipped with UTC function for remote control.



Canale	1	>
Protocollo	Pelco-D	>
Indirizzo	1	>
Baudrate	2400	>
Bit di Dati	8	>
Bit di Stop	1	>
Parità	Nessuno	>
Tipo	Remoto	>
Copia in		>

CHANNEL - Select the channel to set where the motorized camera is connected. **TYPE / MODE** - The last box in this window is the most important and contains three options: ONVIF, RS485, UTC. If the channel is connected to a motorized IP camera you'll have to set this option ONVIF. In this way the command of camera movements will be carried out via the onvif protocol and there will be no need to set any other parameter. If you are controlling an analog speed dome camera / AHD connected to the RS485 serial port of the DVR, then you must set the RS485 mode and set all other communication parameters. Finally, if the channel is associated with a fixed camera AHD but with UTC function, you can set it to UTC to control the OSD menu of the camera.

PROTOCOL - Here you set the language that the DVR uses in the dialogue with the camera. The protocol used by all our PTZ cameras Pelco-D. some protocols from other manufacturers are available.

It 'also available NEXTCHIP PROTOCOL that you should select if you check the OSD menu of AHD camera with UTC function.

ADDRESS / BAUDRATE / BITDATI-STOP / PARITY - These settings should only be used if the

PTZ device is connected to the RS485 serial port and the mode has been set as LOCAL. Consult the manual PTZ unit to set them consistently. All DSE cameras support PELCO protocol D. To cameras from other manufacturers are also supported PELCO P and PANASONIC protocols.

ADD IPC



This section allows you to add IP cameras to the VCR. In the installation manual explains how to add the cameras from the context menu. With this button you access a more complete control window.

A screenshot of the "Conf. IP Cam" window. It features two tables. The top table lists discovered IP cameras with columns for Index, Protocollo, Stato, Indir. IP, and Mac Address. The bottom table lists VCR channels with columns for Canale, Protocollo, Risoluzione, Indir. IP, Porta, and Utente. Various control buttons like "Svuota", "Aggiungi", "Modifica IP", "Elimina", and "Info rete" are present.

Index	Protocollo	Stato	Indir. IP	Mac Address
▶ 1	ONVIF	Non aggiunto	192.168.2.170	00001B032B53
2	ONVIF	Non aggiunto	192.168.2.140	D114445DBBE6
3	ONVIF	Non aggiunto	192.168.2.120	A39B1D8903EC
Ricerca				

Svuota Aggiungi Aggiungi tutti Modifica IP

Canale	Protocollo	Risoluzione	Indir. IP	Porta	Utente
▶ 1	N/A	Non aggiunto	0.0.0.0	80	N/A
2	N/A	Non aggiunto	0.0.0.0	80	N/A
3	N/A	Non aggiunto	0.0.0.0	80	N/A
4	N/A	Non aggiunto	0.0.0.0	80	N/A

Elimina Elimina tutto Modifica Manuale

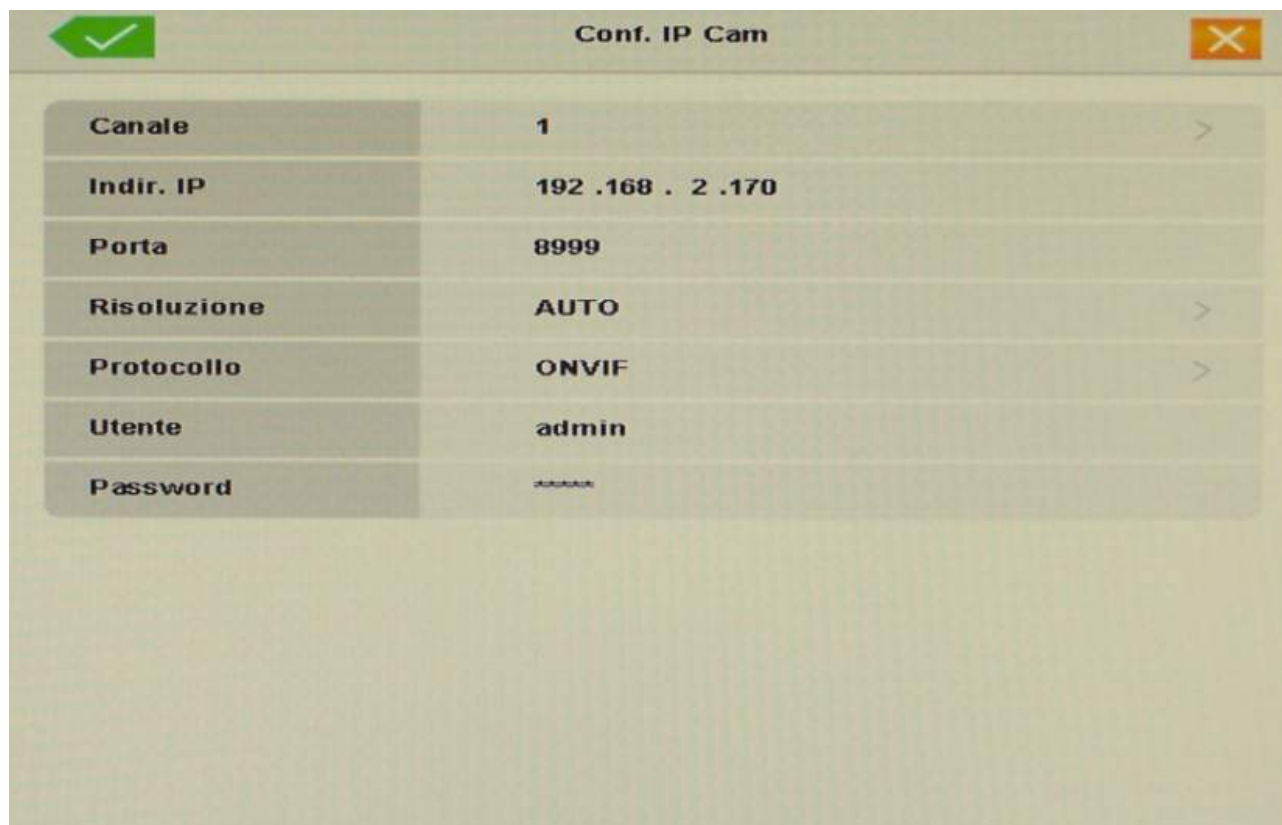
Sposta su Sposta giù Info rete

The camera configuration window is divided into two parts: an upper and a lower. In the upper section lists the cameras that the NVR / DVR is present in the network provided of course that share its network settings (IP address Class, Subnet Mask). In the lower section lists the VCR channels.

When the window opens the NVR / DVR automatically begins to search for the IP cameras on the network and lists them on the top section. If you want to change the IP address of a camera you can do it with the CHANGE IP button even if this operation takes place usually with utilities included with the camera as various IP cameras do not allow the NVR to change its parameters.

To load a camera in the NVR select it with the mouse in the upper window and press ADD.

This will open the already completed the camera setup window with data that the NVR is able to automatically detect.



The screenshot shows a window titled "Conf. IP Cam" with a green checkmark icon on the top left and a close button (X) on the top right. The window contains a table with the following settings:

Canale	1	>
Indir. IP	192 .168 . 2 .170	
Porta	8999	
Risoluzione	AUTO	>
Protocollo	ONVIF	>
Utente	admin	
Password	••••••••	

CHANNEL - Select which channel NVR associate with the IP ADDRESS camera - Show the camera address

DOOR - Set the ONVIF communication port used by the camera. Typically, this parameter is automatically detected and is already set correctly. Be careful to set the ONVIF door and not the HTTP port normally used by the browsers. In most cameras, however, these ports coincide (frequently used the door

80)

RESOLUTION - Select the video resolution among those made available by the camera. This would agree settings always set in the internal menu of the camera and not by the NVR in this window as explained in the CODE section. For optimum video performance in all situations it is recommended to leave this setting to AUTO. PROTOCOL - Select the communication protocol ONVIF

USER - Set the username to access the camera (default ADMIN in DSE cameras). This parameter must ALWAYS SET MANUALLY overwriting the factory default values, to avoid a failure to connect to the wrong login. PASSWORD - Set the password to access the camera (default ADMIN in DSE cameras). This parameter must ALWAYS SET MANUALLY overwriting the factory default values, to avoid a failure to connect to the wrong login. CAUTION: In all our IP cameras NAKED because the connection is successful you must manually type the credentials USER / PASSWORD deleting those that appear automatically and manually rewriting.

Press OK to load the camera into the VCR and follow the same procedure for all remaining cameras.

MANUAL CONFIGURATION OF THE CAMERAS

The automatic search is able to detect all ONVIF cameras connected to the same network as the NVR. If a camera is not detected within the NVR its network settings local network check and make sure that the correct media so ONVIF protocol. If the network camera is accessible from the PC and is not detected by the VCR evidently it does not fully support the ONVIF protocol.

To connect the NVR / DVR cameras placed on other networks or via the internet you can proceed with manual configuration by pressing the GUIDE button

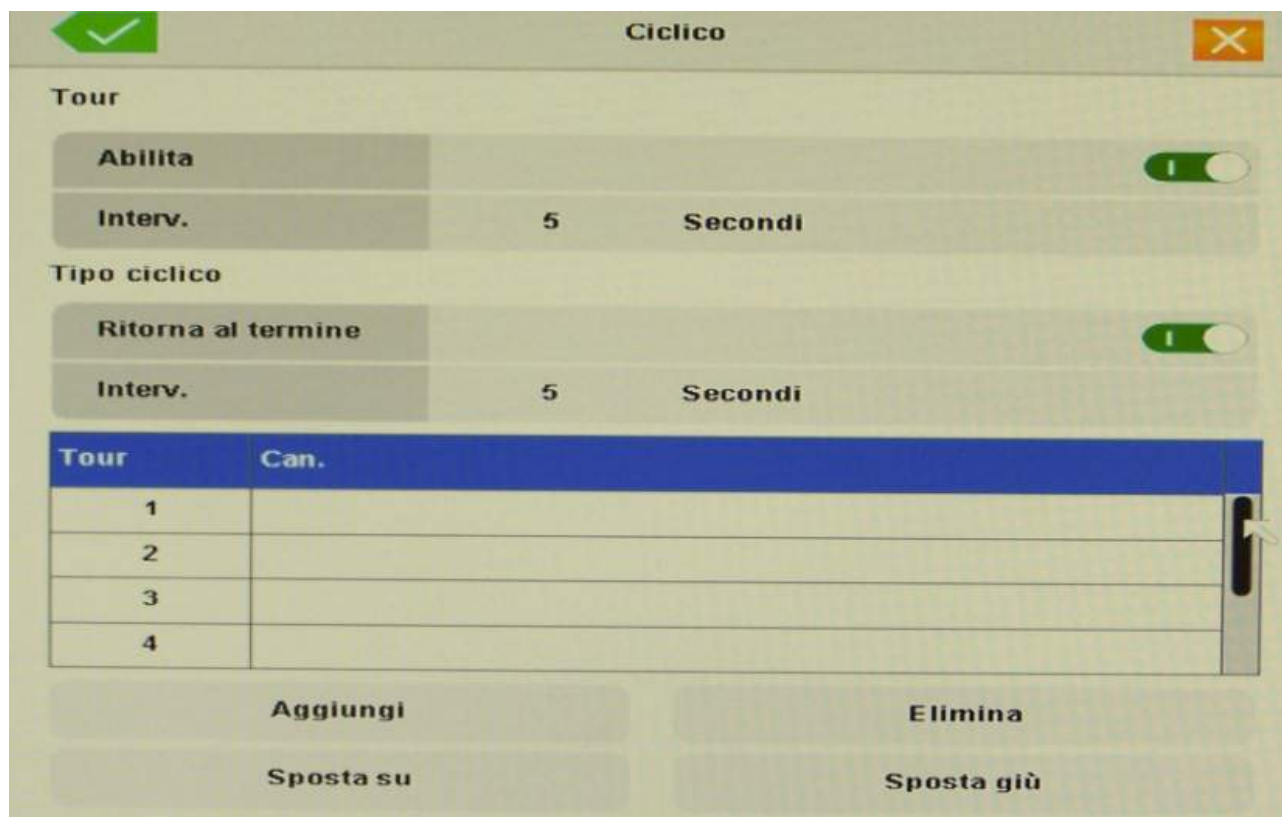
ORGANIZATION OF THE CAMERAS

Once all the cameras have been loaded nell'NVR you are listed in the lower part of the configuration window. E 'can change the placement of a camera by selecting it with the mouse and acting with buttons MOVE UP / Move Down'.

CYCLIC



This section allows you to set the settings of the polling. As cyclic scanning means the display in full screen sequence of multiple cameras shown in rotation. E 'can start a cycle-scan automatically instead of the standard split screen, or you can launch a scan following an alarm.



Ciclico

Tour

Abilita ☒

Interv. 5 **Secondi**

Tipo ciclico

Ritorna al termine ☒

Interv. 5 **Secondi**

Tour	Can.
1	
2	
3	
4	

Aggiungi **Elimina**

Sposta su **Sposta giù**

The first two parameters (TOUR) refer to the automatic cyclical to be used instead of the multivision LIVE as a standard display.

ENABLE - Enables the display of a cyclical scan cameras

INTERVAL - Defines how many seconds to wait between a camera and the next when scanning

The third and the fourth parameter of the window refer to tour initiated following an alarm (see alarm section).

BACK AT THE END - Defines whether the ends of the alarm scan must return to the previous viewing the alarm mode. With option disabled will remain full-screen camera that triggered the alarm.

INTERVAL - Defines how many seconds to wait between a camera and the next in the scanning generated in response to an alarm

TOUR / CHANNEL - This table will fit what channels are part of the cyclical scan (tour) using the buttons below ADD / DELETE / MOVE. Each location can also contain one or more cameras if you want to schedule scanning of multivision quad pages.



CAUTION. Enabling will poll you lose the ability to manually control the mouse multi-image screen.

OSD - General Advanced Options

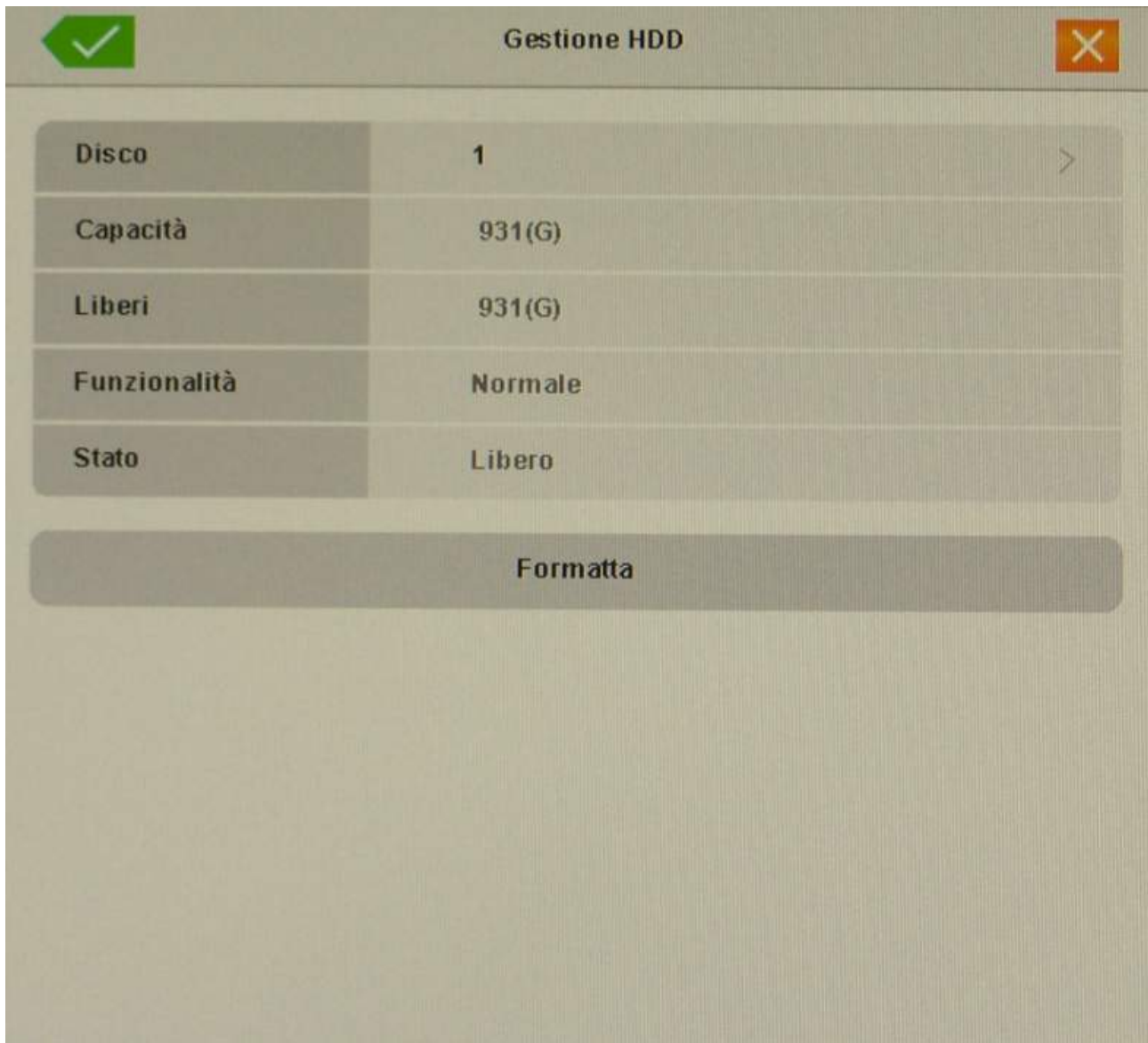
This chapter of the manual describes how to configure the advanced configuration options, ie the maintenance operations of the less frequently used system. To access the control of these functions from the OSD menu, click the icon with the right tool bag



HDD MANAGEMENT



This section allows to format and verify the status of the hard disks.



In this window you will find hard drives included in NVR / DVR and you can make the physical format by pressing the FORMAT button. If the hard disk you have inserted proves not listed in the table confirm that it wiring and operation. The operation of **formatting the disk** It is essential because the recorder can correctly record.

USERS





Access to DVR setup is password protected. In this section you can manage system users

Index	Utente	Sistema	Comando PTZ	Playback	Backup
1	Admin	Si	Si	Si	Si

Buttons: Aggiungi, Elimina, Modifica ut., Modifica pw.

There is already listed in the table Factory user (without admin user password). E 'can change the admin user's password with the CHANGE PW button .. you' can add new users with ADD button

Fields: Utente, Password, OK

Autorizzazioni Italiano

Autorizz. canali	Nessuno
Sistema	<input type="checkbox"/>
Comando PTZ	<input type="checkbox"/>
Playback	<input type="checkbox"/>
Backup	<input type="checkbox"/>



USER - Define the user name

PASSWORD - Enter the password assigned to you OK - Re-enter the password

for confirmation

AUTHORITY. CHANNELS - Select which channels are accessible to the user SYSTEM - Define whether the user has access to the NVR / DVR setup PTZ CONTROL - Define if the user can control speed dome cameras

PLAYBACK - Define whether the user can review the recorded footage BACKUP - Define whether the user can export the recorded movies

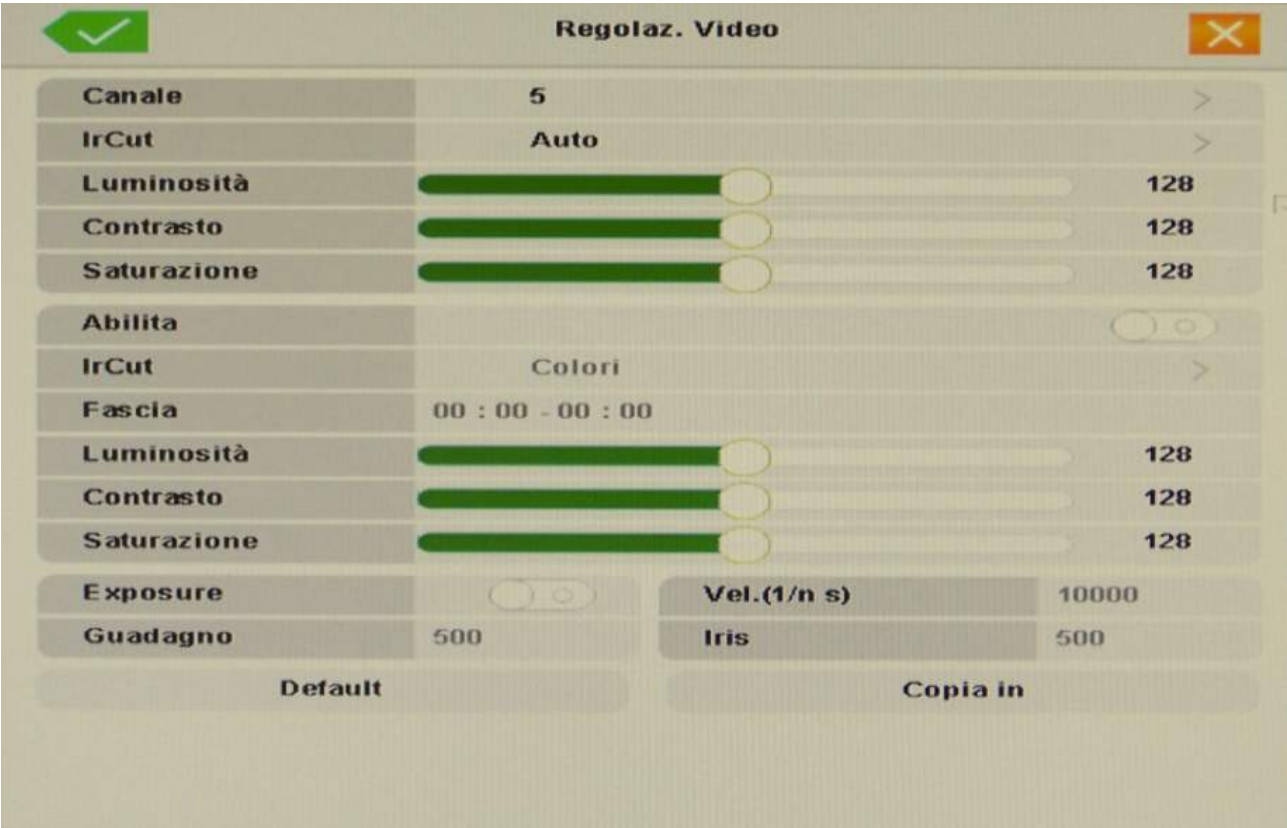
ADJUSTMENTS VIDEO



This section allows you to adjust the video settings of each camera and varies depending on the connected type of camera.

In the case of local cameras of the multi-DVR technology, the adjustment acts directly on the video signal from the camera and is therefore immediately operational on the video signal.

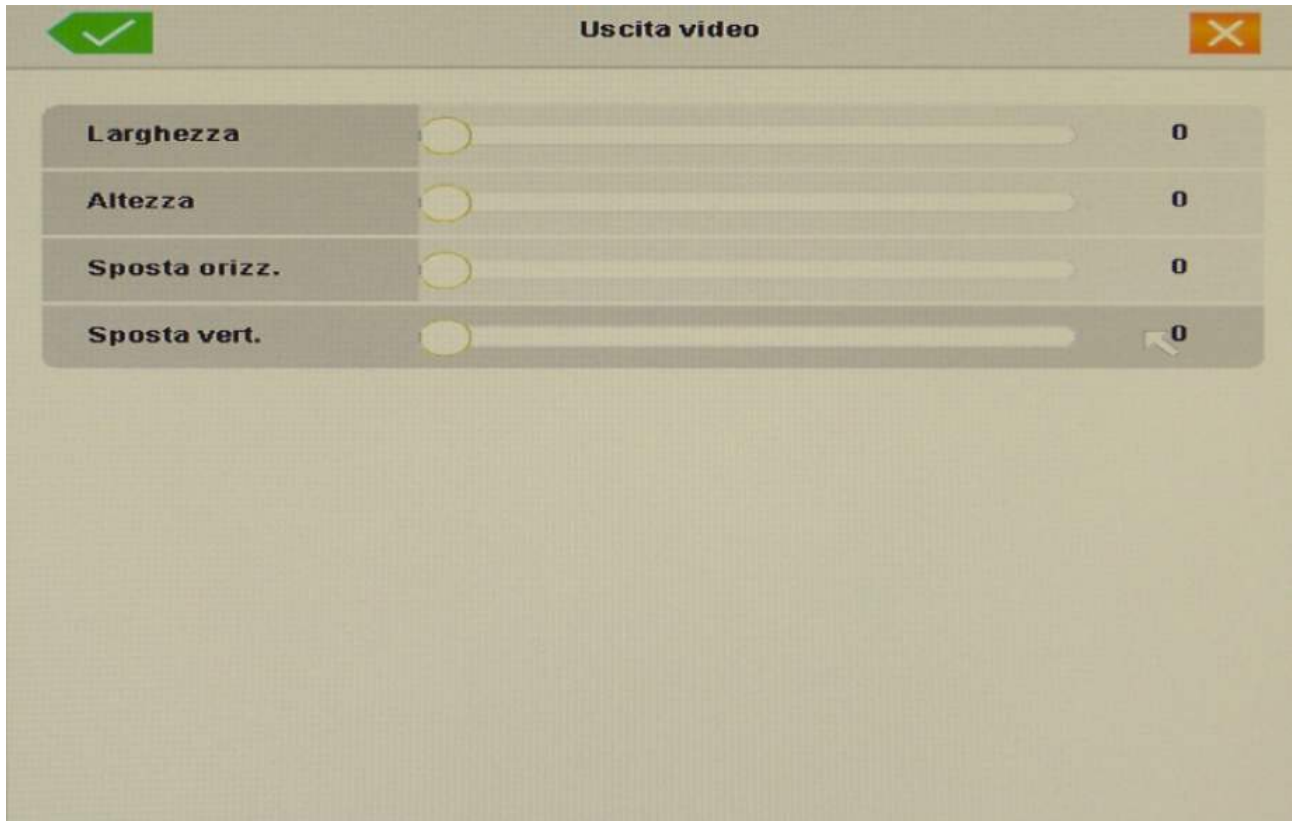
In the case of IP cameras instead change the VCR remote video settings within the camera. This adjustment does not work on all IP camera models as not all cameras accept these settings are made via the NVR. In this case to operate these adjustments will need to directly access the camera menu using the browser or dedicated programs to the manufacturer.



VIDEO



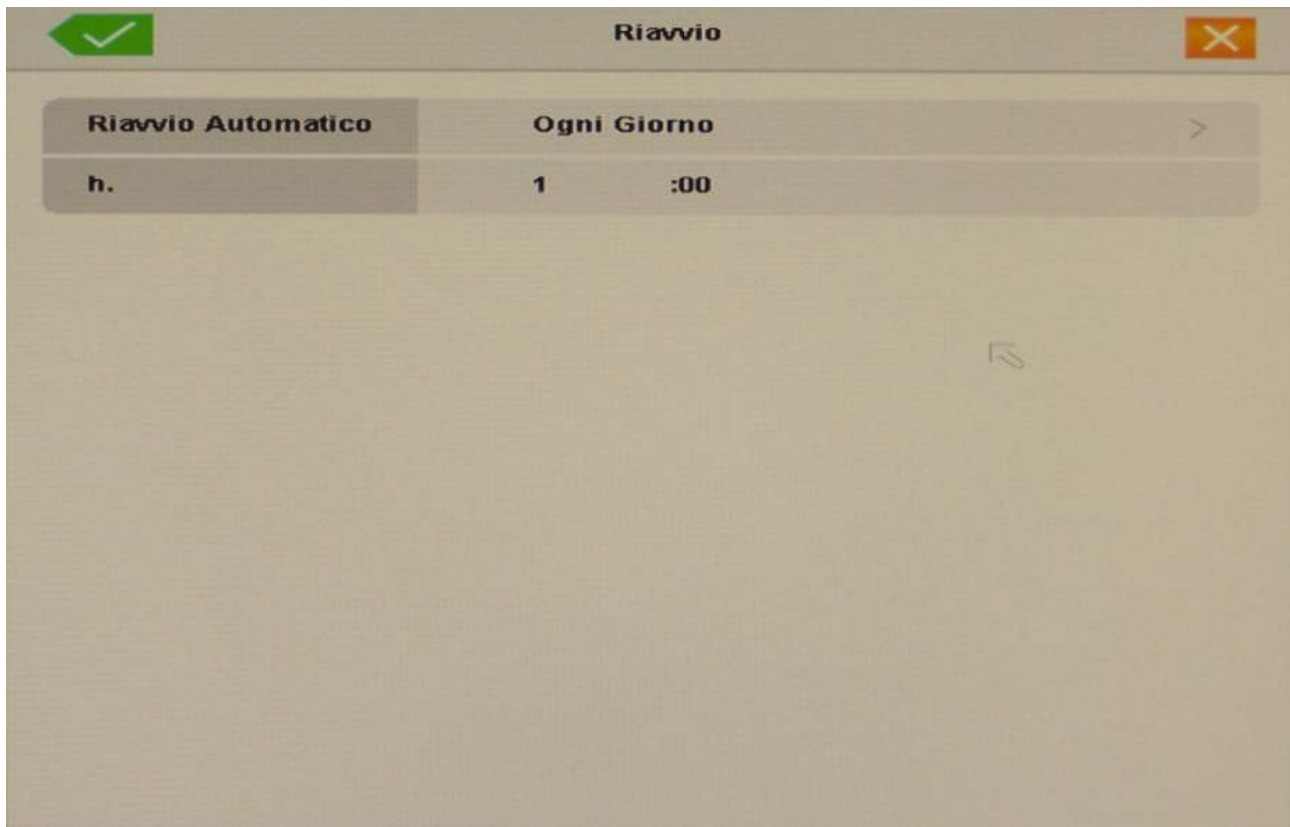
This window allows you to adjust the analog output video size to adapt perfectly to the screen used. This feature works only on analog output BNC video and is not present on models that do not provide it.



RESTART



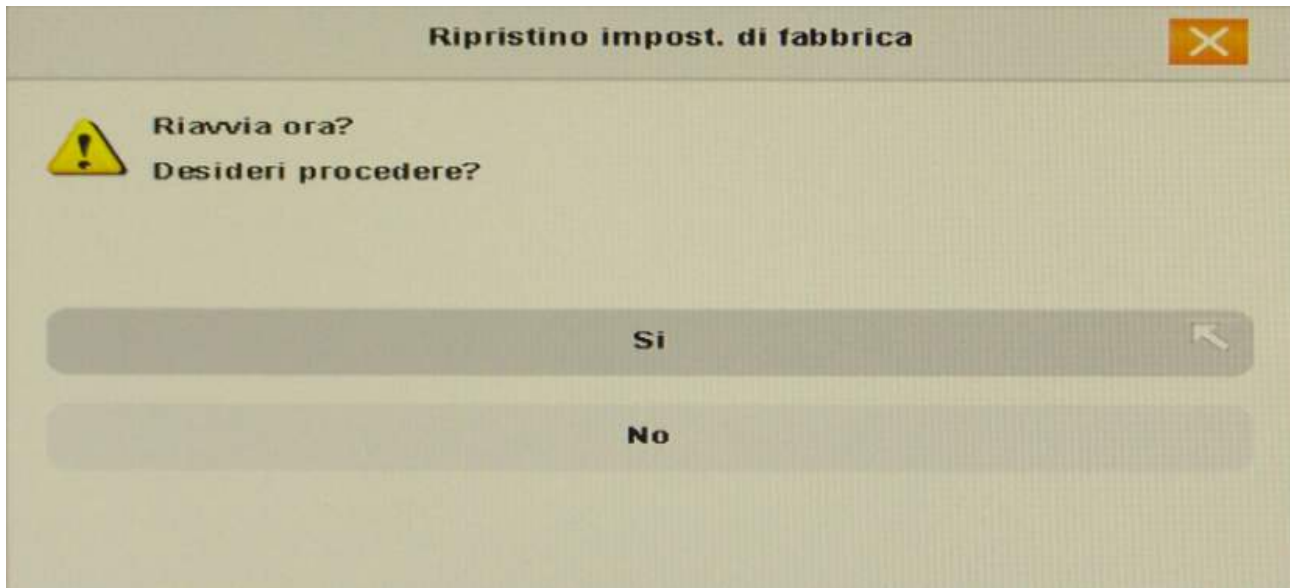
This window allows you to program the automatic reboot every day or once a week. This option is not necessary but required by some applications. It is recommended to disable it if you do not want to restart the equipment.



RESTORING DEFAULT



This window allows you to restore the factory settings if you are dissatisfied with the configuration that you have made and have not achieved desired behaviors of the device.

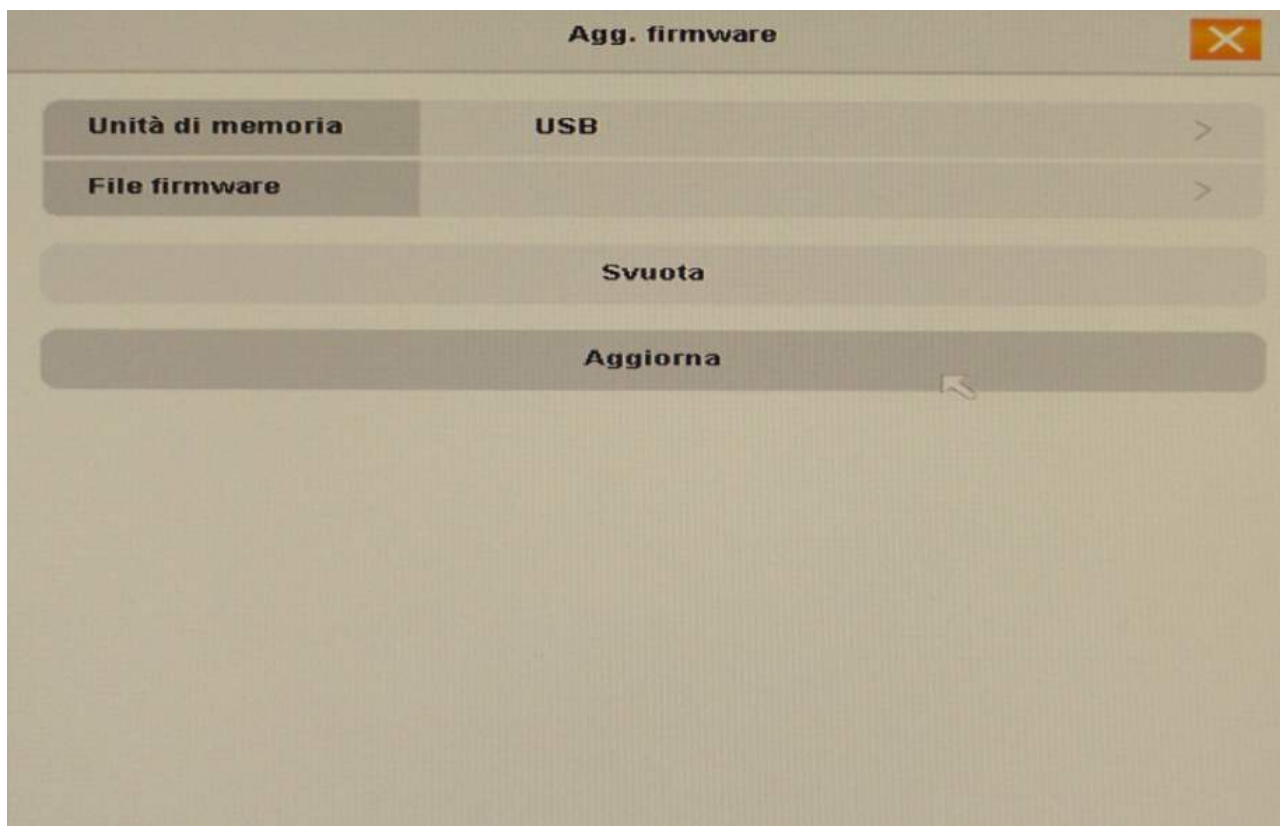


FIRMWARE UPDATE



This window is used to update the NVR firmware. You must obtain the update file from DSE and copy it in a USB key to be inserted into a port of the NVR. The update operation is also executable to the remote PC.

Please note that the firmware update operation is performed only on the recommendation of our technicians as it may cause serious damage if performed in an improvident manner.



UNITA 'MEMORY' - only USB Available

FIRMWARE FILE - If the update file is valid it will be shown in this SEARCH / EMPTY box - Start the search for the update

file UPGRADE - Start update.

OSD - Setting Alarms

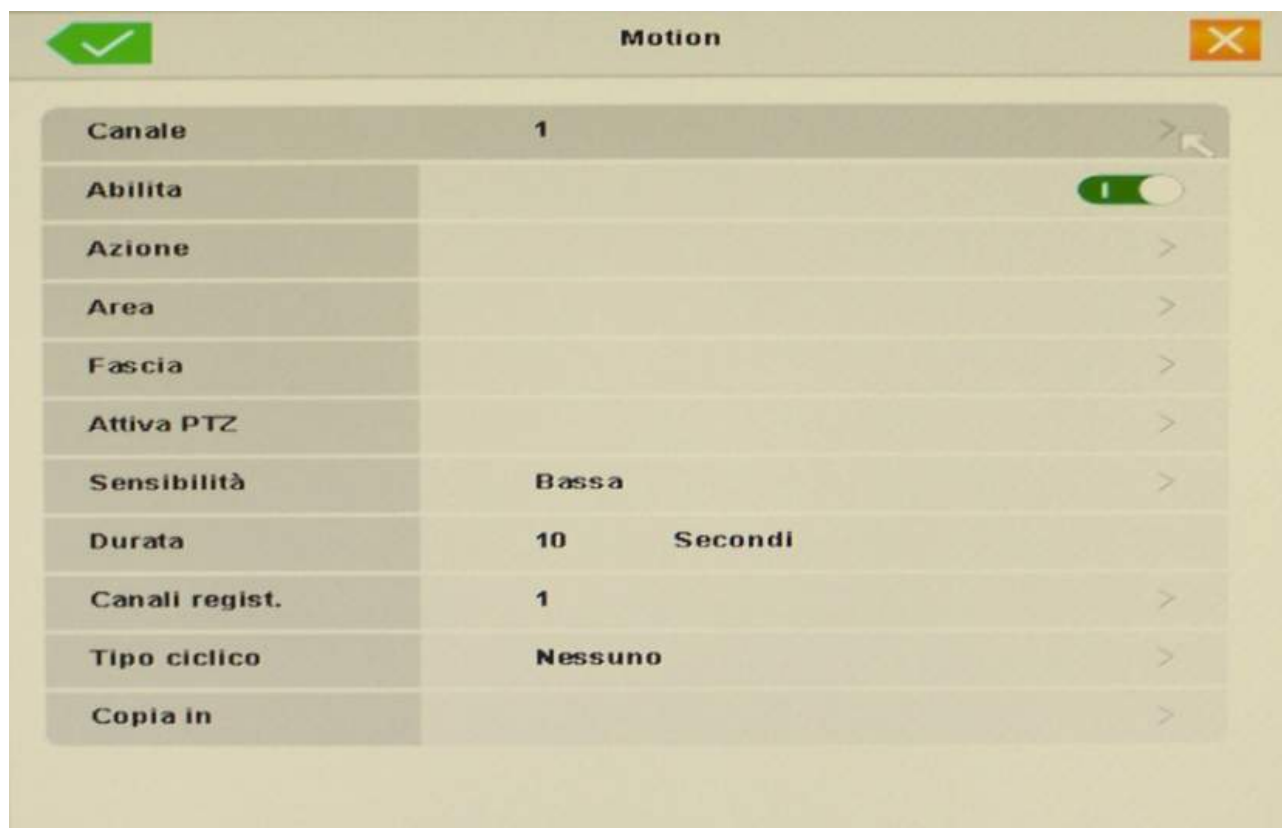
This chapter of the manual describes how to configure the options of the alarms can be generated by the NVR. To access the control of these functions from the OSD menu, click the icon to the left



MOTION



The NVR / DVR DN series are able to generate alerts when an intrusion generate a modification of the image captured by a camera. This function is known as motion detection or motion detection. This window allows you to configure the motion detection parameters



Canale 1	
Abilita	<input checked="" type="checkbox"/>
Azione	>
Area	>
Fascia	>
Attiva PTZ	>
Sensibilità	Bassa
Durata	10 Secondi
Canali regist.	1
Tipo ciclico	Nessuno
Copia in	>

CHANNEL - Select the channel to configure
ENABLE - Enables the motion detection channel

ACTION - E 'can bind to one or more detection alarm options (BUZZER, email, FTP)

AREA - Define with your mouse the area you want to consider the motion detection. The yellow boxes will be considered in the survey.

BAND - To define at what times of the week will be activated motion detection. By default all boxes are yellow which means enabled detection. Cancel with the mouse the boxes where no one feels the need to detect motion.

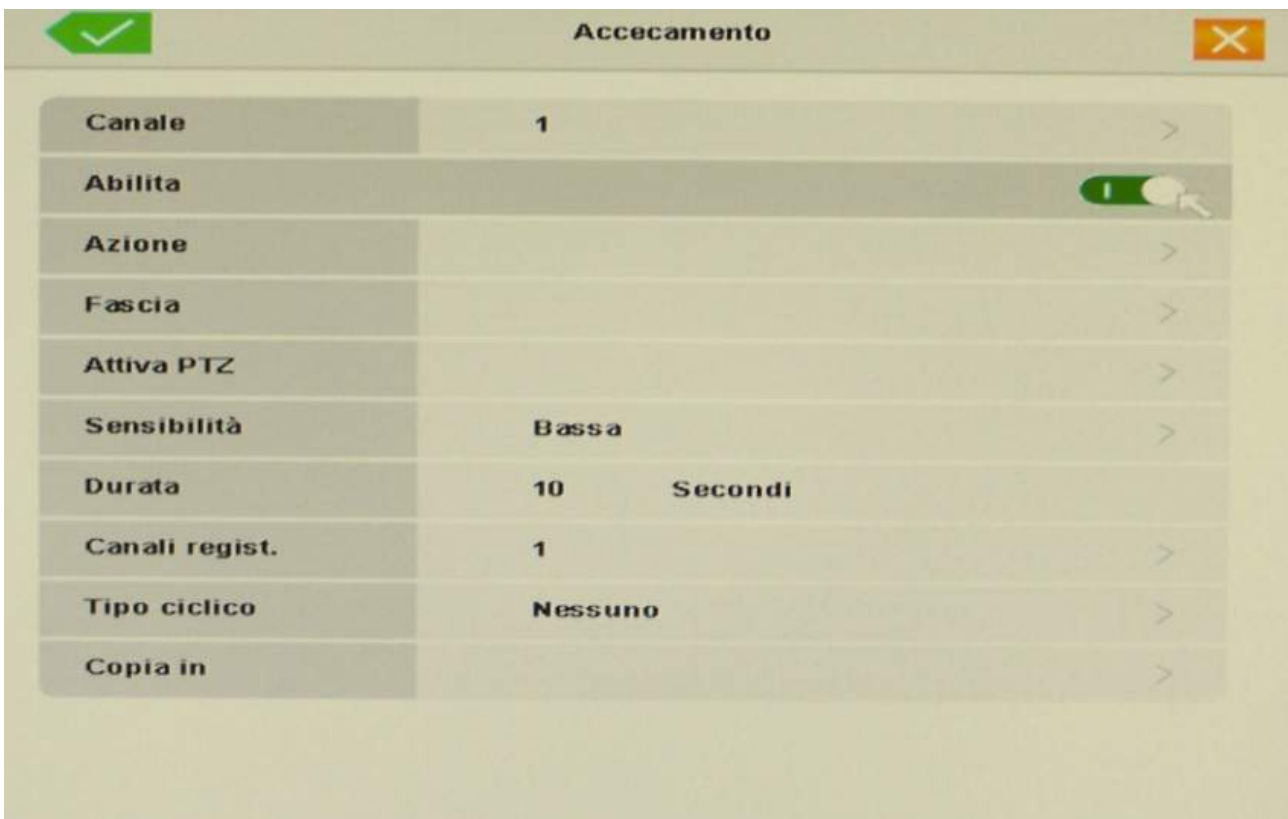
ACTIVE PTZ - E 'possible in case of motion alarm trigger an automatic movement of one or more speed dome cameras connected to the NVR / DVR (preset or tour)
SENSITIVITY - Adjusts the response speed of detection
DURATION - Defines the duration of the alarm in seconds

RECORDING CHANNELS - Defines which canai record later motion alarm for that channel.

TYPE SEQUENCE - And 'possible in case of motion alarm start loop scanning between some camera you can specify in this section.
You can also use this function by selecting a single camera that will be brought to full screen in case of alarm (POPUP).

The scanning rules are set in the system options as above. COPY - Copy channel settings programmed on one or more other channels.

MASKING



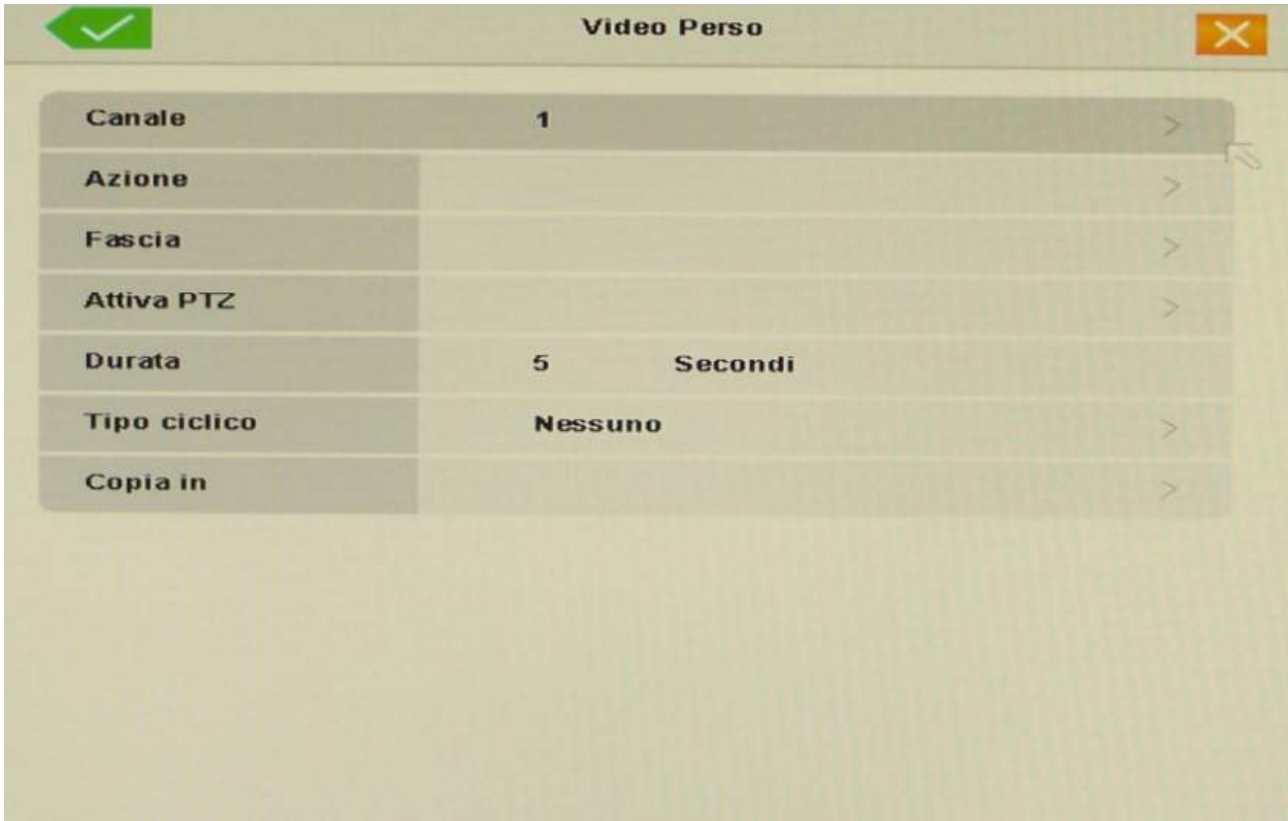
Canale	1	>
Abilita	<input checked="" type="checkbox"/>	
Azione		>
Fascia		>
Attiva PTZ		>
Sensibilità	Bassa	>
Durata	10 Secondi	
Canali regist.	1	>
Tipo ciclico	Nessuno	>
Copia in		>

Function currently not available.

LOST VIDEO



The NVR / DVR DN series are able to generate alarms in the event that the video signal of a camera ceases to be received by the NVR.



Video Perso		
Canale	1	>
Azione		>
Fascia		>
Attiva PTZ		>
Durata	5	Secondi
Tipo ciclico	Nessuno	>
Copia in		>

The alarm actions that can be set for the video lost are the same as already described for the motion alarm except for the recording.

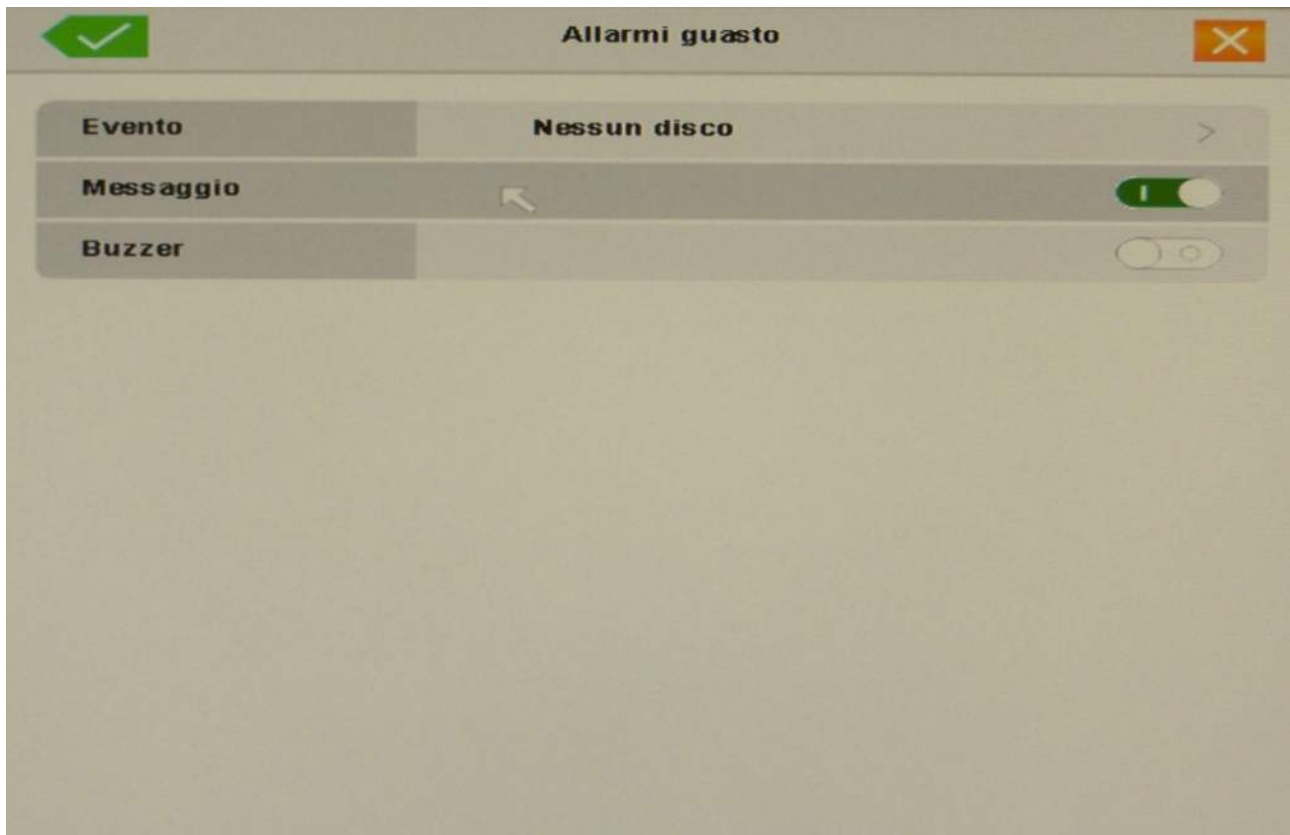
ALARM INPUTS

Not available on this range

ALARM FAILURE



The NVR / DVR DN series are capable of generating alarms as a result of technical anomalies

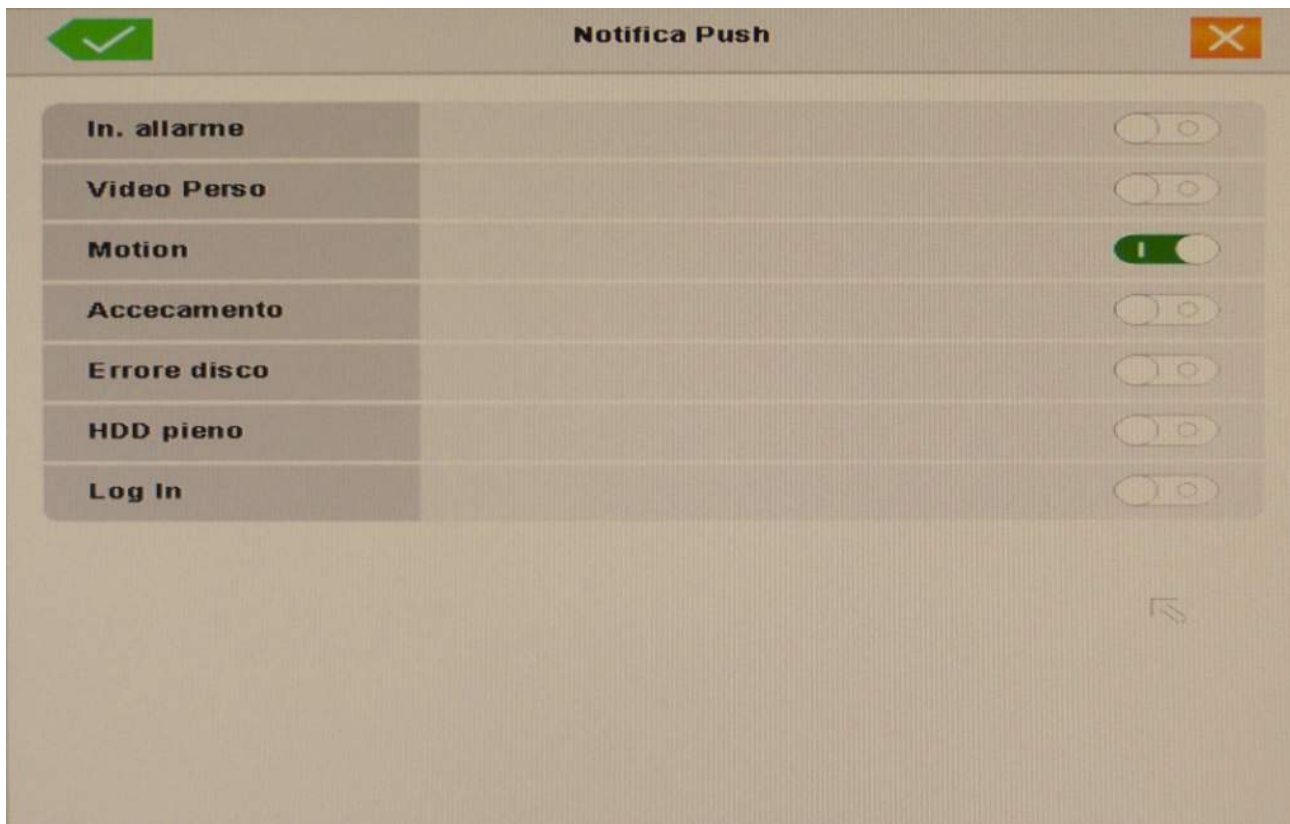


It is possible to generate reports in the event of disk failure, error writing to disk and exhaustion of disk space. You can enable the buzzer drive (BUZZER) and the indication screen (MESSAGE).

PUSH NOTIFICATION



And you can send push notifications in real time to mobile phones equipped with the mobile application.

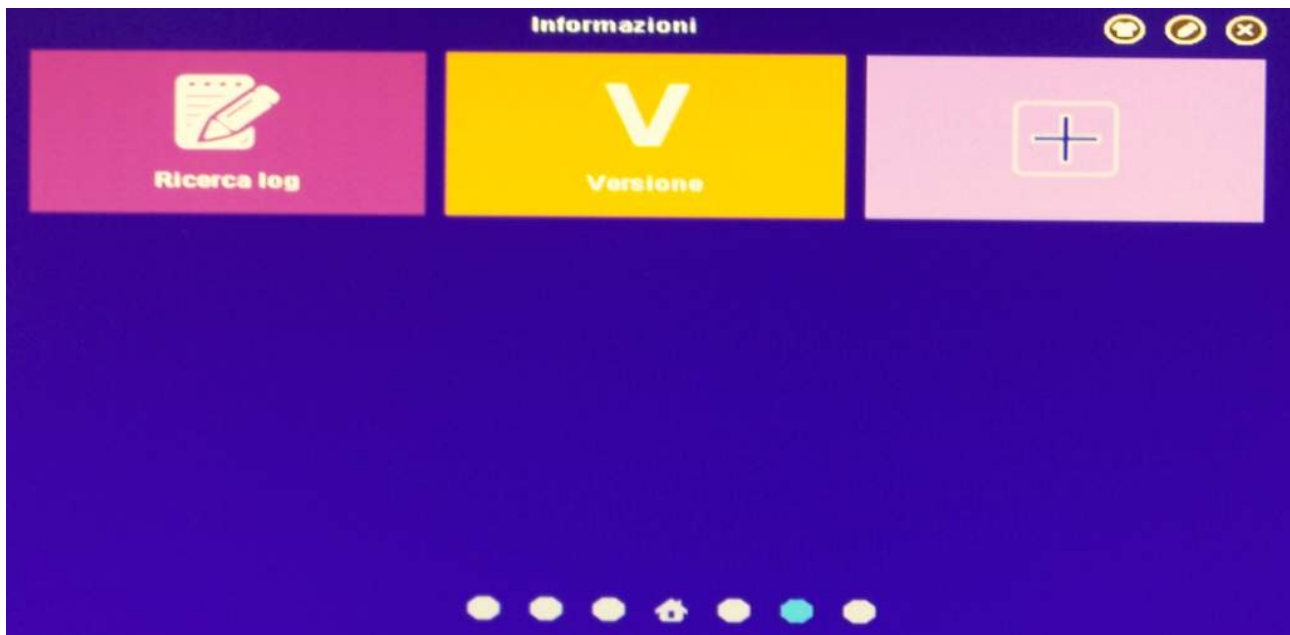


On this screen you define the causes of alarm to be sent as a notification. E 'need to configure the mobile application for receiving, as shown in the specific manual.

Remember that as an alternative to the direct push notification can also be used to send email and activate the push email function in the phone to receive notification of arrival of the message.

OSD - Information

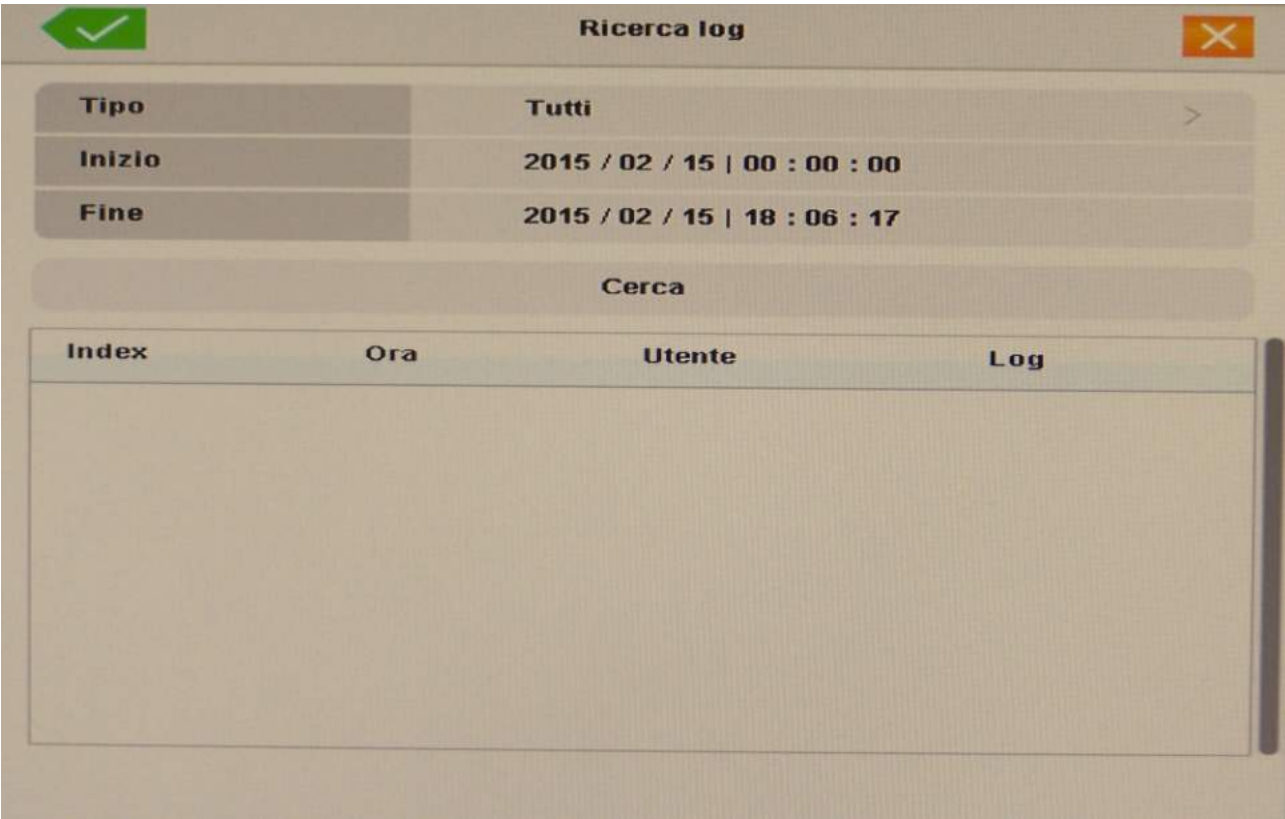
In this section of the OSD menu contains information on NVR



SEARCH LOG



The NVR / DVR will continue to store events in a chronological history that you can see in this section



TYPE - Define the type of event to search (all, system, event, error) START FINISH - Define the period of time in which to search SEARCH - Displays the events that match the search criteria in the table below

VERSION



This panel contains all the information about the hardware and software equipment.



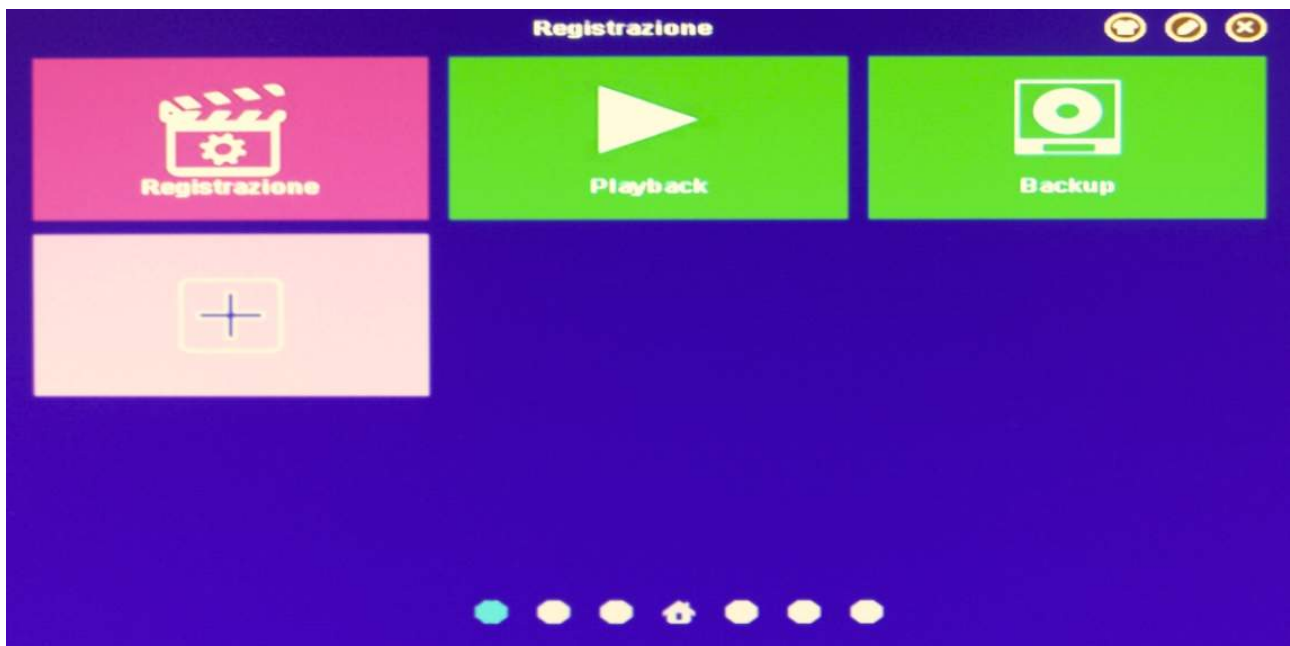
Versione		
Canali regist.	9	
Canali extra	0	
Canali audio	9	
In. allarme	0	
Usc. allarme	0	
Sistema	3.2.3	
Mac Address	00:84:14:24:c2:11	
informazioni Chip	1f7_w1	



Registration, Backup

Playback,

This chapter of the manual describes how to set recording NVR, how to review the recorded video, and how to export the relevant footage to external media. To access the control of these functions open the OSD menu and open the tab on the left

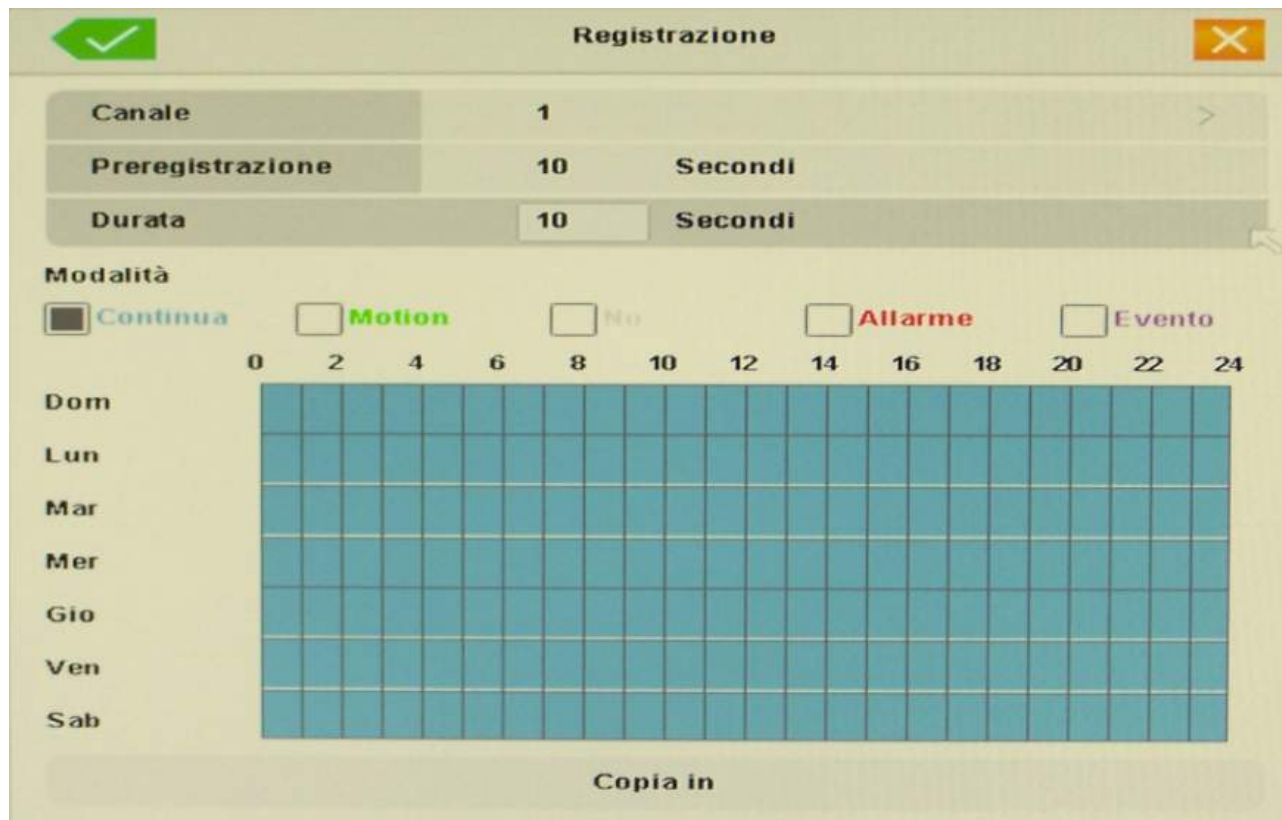


REGISTRATION



In this window you can define how the video recorder must record with the time of day and day of the week. E 'can be registered in the following modes: REG. CONTINUE - the channel always records (blue) REG. MOTION - channel records only in case of intrusion (green) REG. ALARM - channel records only when activated alarm input (red).

REG. EVENT - The channel is recorded in case of motion alarm from input (purple).



CHANNEL - Select which channel to configure

PRE-REGISTRATION - Defines a time up to 30 seconds for the video recorder is capable of recording before there is an alarm event (motion)

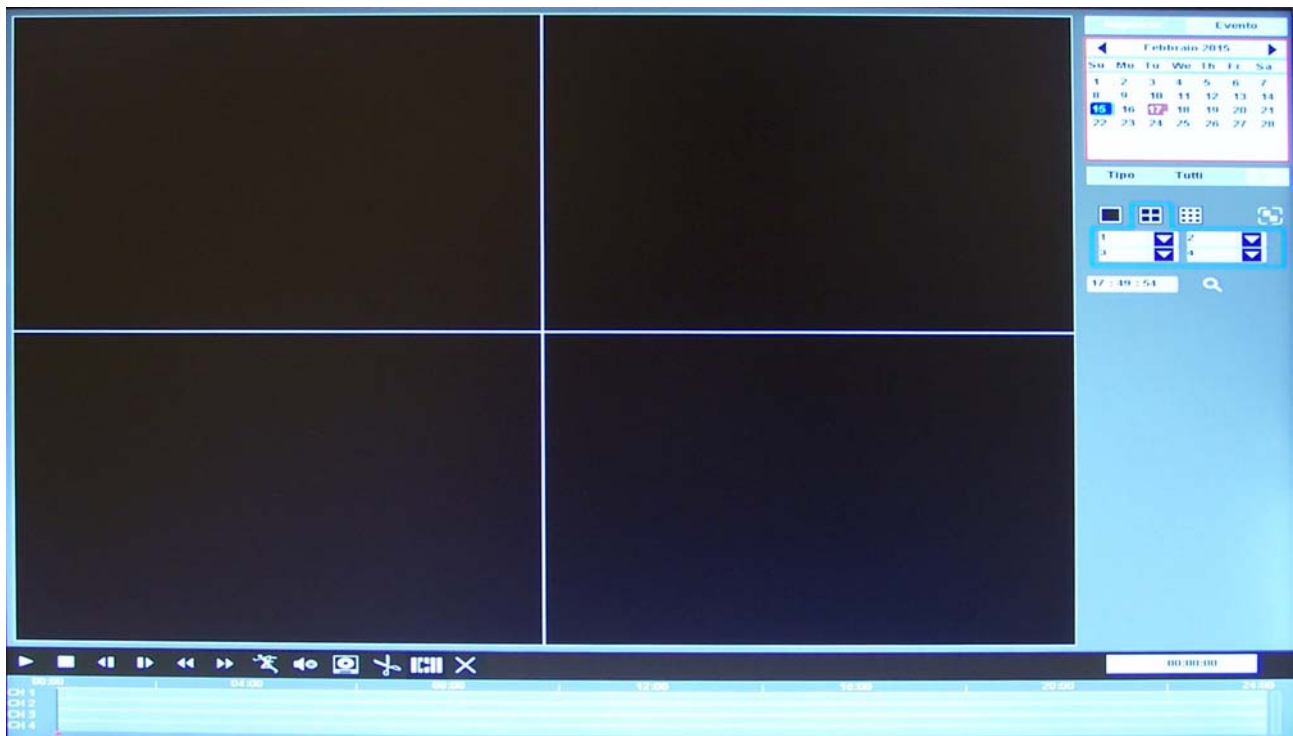
DURATION - Sets the recording time after an alarm event (motion) METHOD ' - Before clicking directly in the grid / calendar below must choose which recording mode to enter the grid. For each mode corresponds to a color. The following options are available: keep it going (Blue - continuous recording), motion (Green - recording only in case of intrusion detection), no (Gray - The VCR does not record) alarm (Red - Registration only if active alarm input) event (Purple - Registration only as a result of intrusion or alarm input detection).

GRILL DAY / TIME - This grid consists of many small squares, each corresponding to a time of day for each day of the week. You must select the recording mode in the list above (eg MOTION / GREEN) and then click on the hours and days that you want to use that mode. The boxes will take on the color of the new set recording mode. E 'can drag the mouse across the screen to quickly define the time slots of interest. By default all grid cells are blue, or continuous recording is active.

COPY IN - After setting the weekly log frame of the channel 1 is possible, using this button, copy the same program on another channel or on all other channels

Once you set your recording options, exit the menu and check the red dots present on images of the various channels to ensure that they are in recording the channels as desired. Note that in the safety video recording no need to press **no REC** to start recording as the NVR will start by just logging on start according to its time schedule.

REPRODUCTION



In this window you can search for images recorded and stored in the VCR. The number of simultaneous playback channels varies depending on the model and the option of multi-technology selected. On the right you can set the search parameters that from top to bottom are:

DATE - In the calendar at the top right you choose which day will be the subject of research. The day

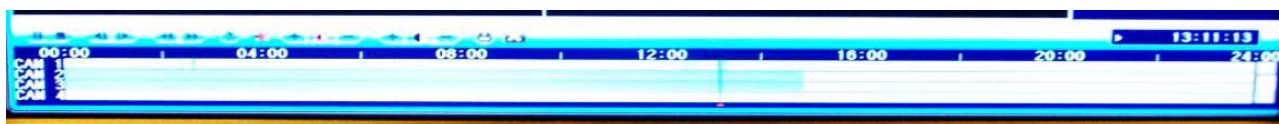
selected will be marked in blue. In this calendar, to facilitate the search, every day that contain recordings are marked in red.

TYPE - E 'can search all types of recording or only records motion, alarm, motion alarm +.

SPLIT SCREEN - E 'can choose how many boxes split the screen during playback, and which channels to show in the boxes. To the right it is also available the button for full screen viewing.

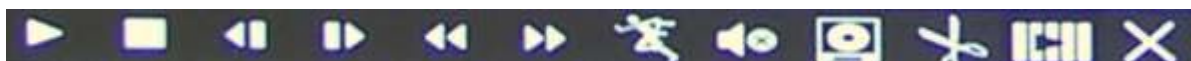
TIME - Enter the time from which to start the search for movies

After defining the search criteria press the SEARCH button with a magnifying glass to search for movies that will appear in the timeline below. If no video is found a message is displayed.



The timeline shows the scanned channels to the left and up the hours of the day. The archive recordings are indicated by colored bars differently depending on the recording mode as seen above: Continue (blue), Motion (green), alarm (red). You can click on different parts of the timeline to quickly move between times of the day. The red pointer on the timeline and the clock on the right indicate the time actually playing.

During playback, you can act on the controls above the timeline



From left to right: PLAY /

PAUSE STOP

PREVIOUS NEXT SLOW

MOTION FRAME FRAME up

to 1/16

FAST PLAYBACK up to 16x

SMART SEARCH this option is currently not used AUDIO ON / OFF

+ / - This option is not currently used

BACKUP - Access to the window to export video (see below)



EDITOR - opens a window where you can make the assembly of multiple video clips to export SEARCH SLICE - Opens an advanced search window for each camera can see more moments on the screen simultaneously. It can be used to select different times and start a single backup.

During movie playback you can always digital zoom on a particular aiming with the mouse and turning the mouse wheel back and forth.

BACK UP VIDEO FILES



The NVR / DVR allows you to easily export the files stored in the hard disk to external storage media connected to a USB port. E 'can connect both USB sticks and USB HDD. The backup unit is connected to a rear or side USB port.

Backup

Index	Nome(Tipo)	Liberi/Totali	Stato
▶1	USB	7233/7366(M)	OK

Rileva

Backup

The device automatically detects the connected USB storage devices. Eventually, if they enter a new one, press the DETECT button to detect the memory unit connected to the USB port. Then press the BACK button

339M X

Canale	Tutti	>
Tipo	Tutti	>
Inizio	2015 / 02 / 20 00 : 00 : 00	
Fine	2015 / 02 / 20 23 : 33 : 24	

Index	Canale	Nome file	Lunghezza
<input type="checkbox"/> 1	1	2015-02-20 04:21:33-04:51:33	339M
<input checked="" type="checkbox"/> 2	1	2015-02-20 04:51:33-05:21:32	339M
<input type="checkbox"/> 3	1	2015-02-20 05:21:32-05:51:32	339M
<input type="checkbox"/> 4	1	2015-02-20 05:51:32-06:21:33	339M
<input type="checkbox"/> 5	1	2015-02-20 06:21:33-06:51:33	339M
<input type="checkbox"/> 6	1	2015-02-20 06:51:33-07:21:32	339M
<input type="checkbox"/> 7	1	2015-02-20 07:21:32-07:51:33	339M
<input type="checkbox"/> 8	1	2015-02-20 07:51:33-08:21:33	339M

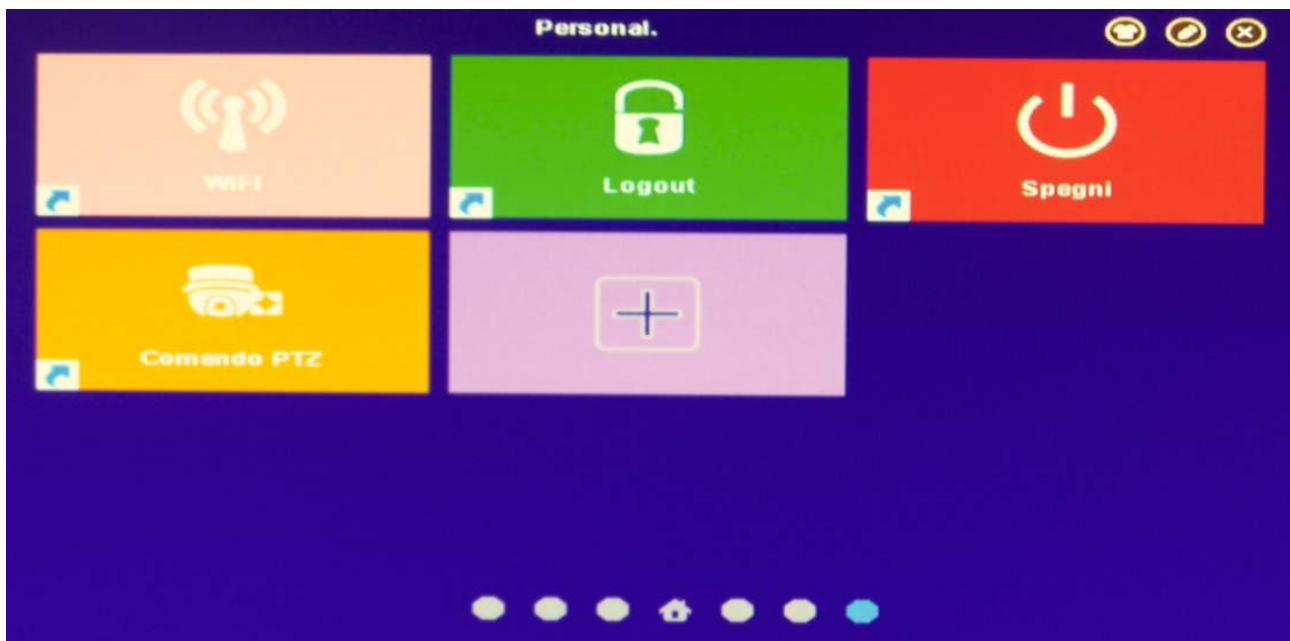
Cerca
Aggiorna
Inizio

In this window determines which files search criteria, indicating the channel, the type of recording and the date of start and end of the search. Press FIND to show the files found on the hard disk that will be shown in the table.

Video files have a duration of 30 minutes in continuous recording and alarm duration in motion / alarm recordings. Select the files to be exported and press START to start saving in AVI format on the external media.

OSD - customizable page

The latest OSD tab on the right is available to enter freely buttons as previously shown for the main screen HOME



Not all available buttons are inserted in the factory menu pages. You can put on this page additional buttons that give access to fewer functions.