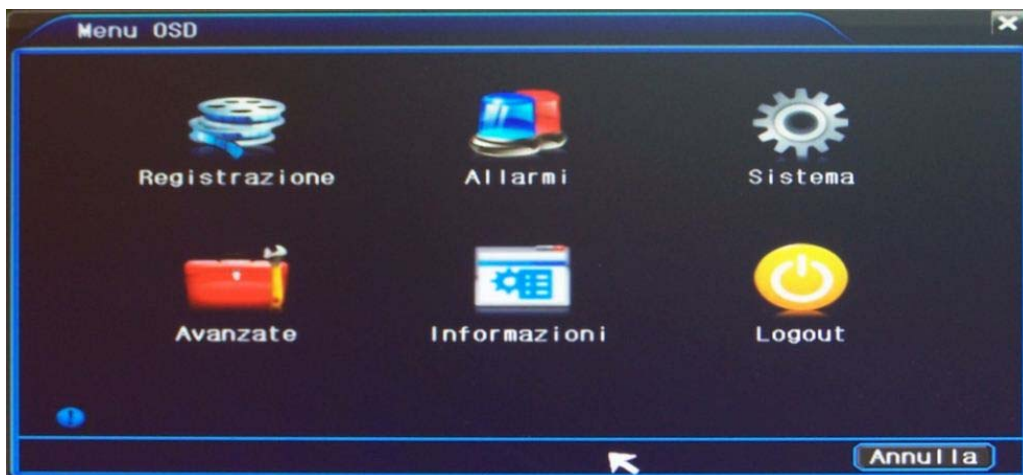




DN Series Network Video Recorders

NVR for IP cameras



[Operative manual](#)

[for the installer and for the user](#)

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

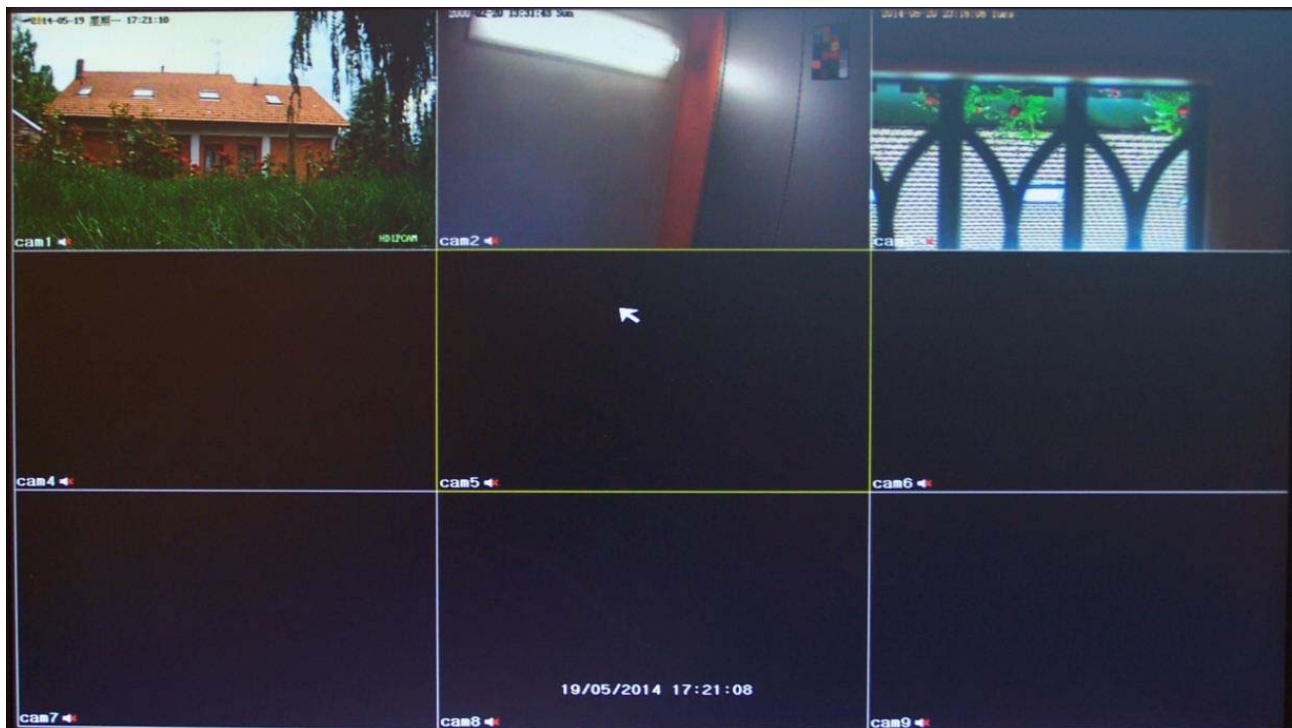
Contents of this handbook

The range of VCRs DN series is designed to allow the management and the recording of IP CCTV cameras 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 'NVR and IP cameras have already been connected correctly according to the installation instructions. For convenience it will refer to commands by using the mouse.

Turning the NVR

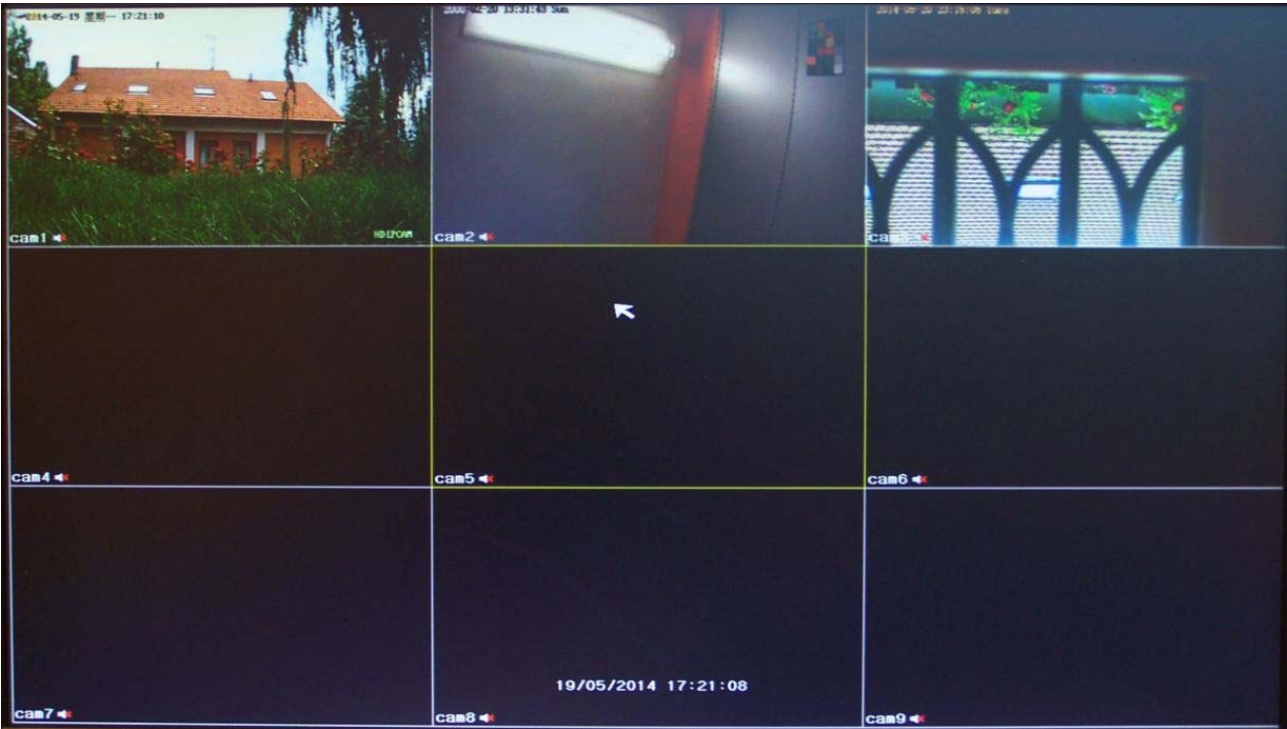
After having prepared the connections and installed on the hard disk as explained in the installation manual it is possible to proceed to the first ignition. Connect the power plug, and positioned the rear switch to the ON position. L 'NVR will start automatically.





live control of NVR

In this section of the manual describes how to use the commands of NVR in the LIVE vision.



Upon starting the NVR it is proposed the simultaneous multi-vision camera with screen division in 4, 9 or 16 frames, depending on the model in question. If at this stage the camera images do not appear in the boxes control the settings addressed in the installation manual.

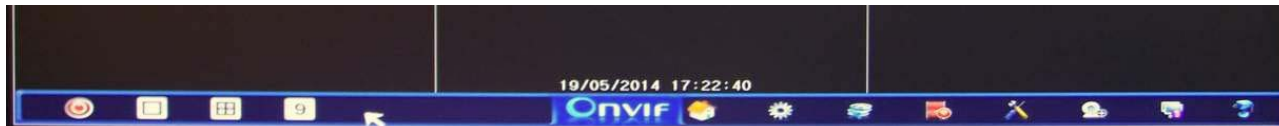
channel status icons

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

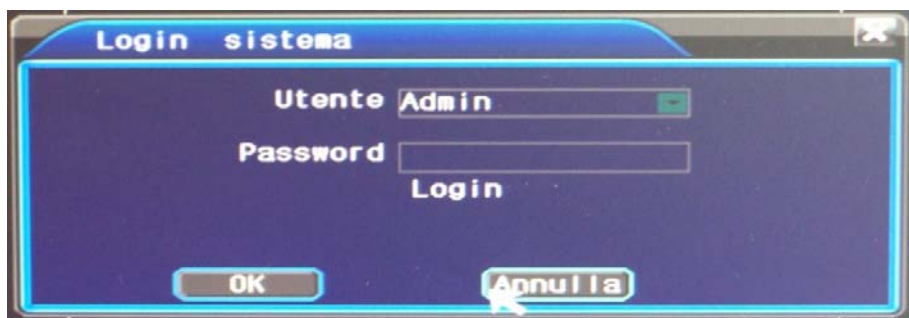


The toolbar disappears by clicking anywhere on the screen or automatically when idle.

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 buttons on the toolbar

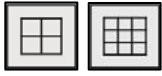
The toolbar consists of various buttons.



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 riipristino 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 boxes depending

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



OSD - Opens the on-screen menus to configure the NVR and complete control that will be described later in the manual.

The buttons at the right of the toolbar are shortcuts to quickly access the configuration pages of the OSD use frequently:



ENCODE - Opens directly to the streaming video settings for each channel



REGISTRATION - Opens directly on the recording mode settings



PLAYBACK - Opens the recorded movies playback page



GENERAL SETTINGS - directly Opens the system settings (date, time, etc.)



PTZ - Opens the control panel for any motorized speed dome cameras connected to the NVR, which is described later



NETWORK - Opens directly the network configurations panel.



IP CAMERAS - directly Opens the configuration panel of IP cameras managed by NVR.

The context menu

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

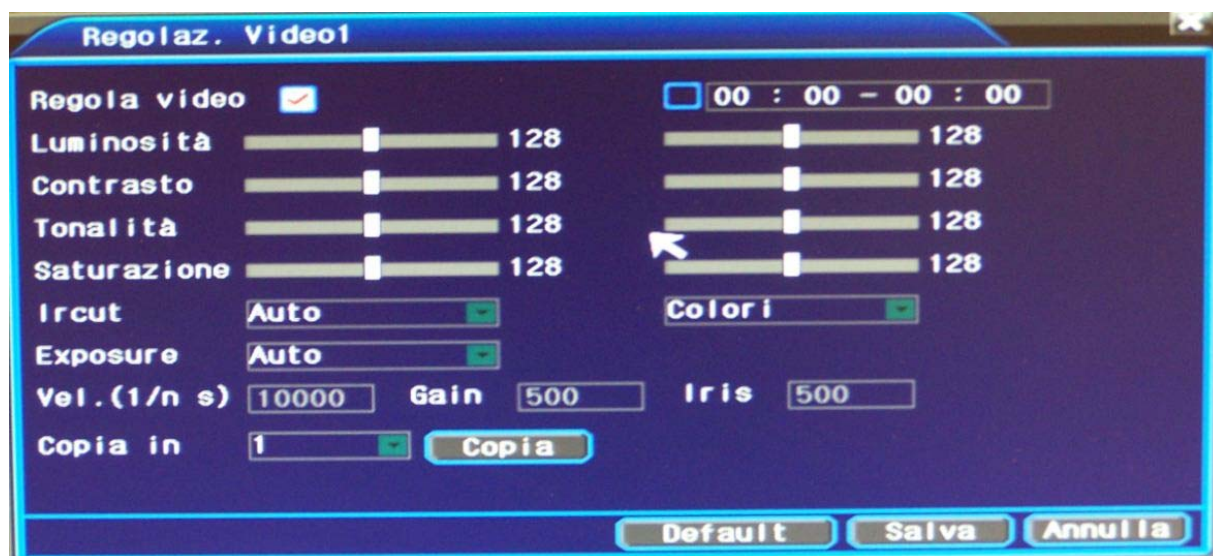


OSD MENU - Opens the on-screen menu for setup and the NVR complete control that will be described later in the manual.

PLAYBACK - Opens the recorded movies playback page

PTZ - Opens the control panel for any motorized speed dome cameras connected to the NVR, which is described later

VIDEO SETTINGS - Allows you to adjust the camera view screen. Clicking on a camera and choosing this option opens a live camera view of the control panel. This implementation, however, is not yet operational on all camera models that can be connected NVR.



TOUR PTZ - Starts and stops the dome camera tour that scanned between presets. The tour sequence program in the camera configuration or also from the NVR as described later.

P2P - directly Opens the network configurations panel.

LOGOUT - Exits the login. To access the NVR command options will need a new log-in

Live Set - This window allows you to define the stream to be used for each camera during live view of multiple-screen cameras. It is generally recommended to leave this option on automatic (default) so that the NVR uses the substream when many cameras are displayed on the screen, for example, in the screen subdivision into 9 or 16 squares. In this way you avoid unnecessary load on the CPU and reduces latency. Whereas, however, the FullHD resolution of the primary stream would not be fully operational in the small box.

If for some reason you prefer, however, that a camera is always shown with the main stream with higher resolution you can force this mode by choosing the option for channel 1canale / 4ch / 9canali / 16ch. For example, if you set the option for a channel 4 channels the NVR will use the mainstream until they are displayed on the screen 1 or 4 channels while substream to pass when you switch to display 9 or 16 cameras. **AGG IPC** - Allows you to add a new IP camera as seen in the installation manual

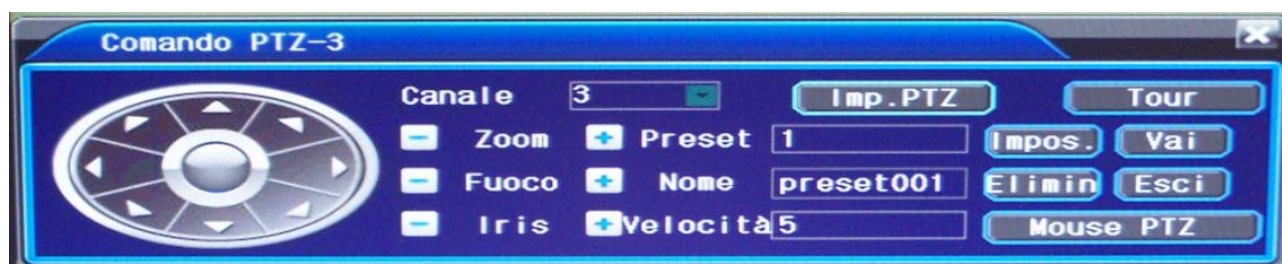
1,4,9 CHANNELS - Allows you to control the multi-image of the live screen, similar to how you can do it from the bottom toolbar.

The PTZ control of speed dome cameras

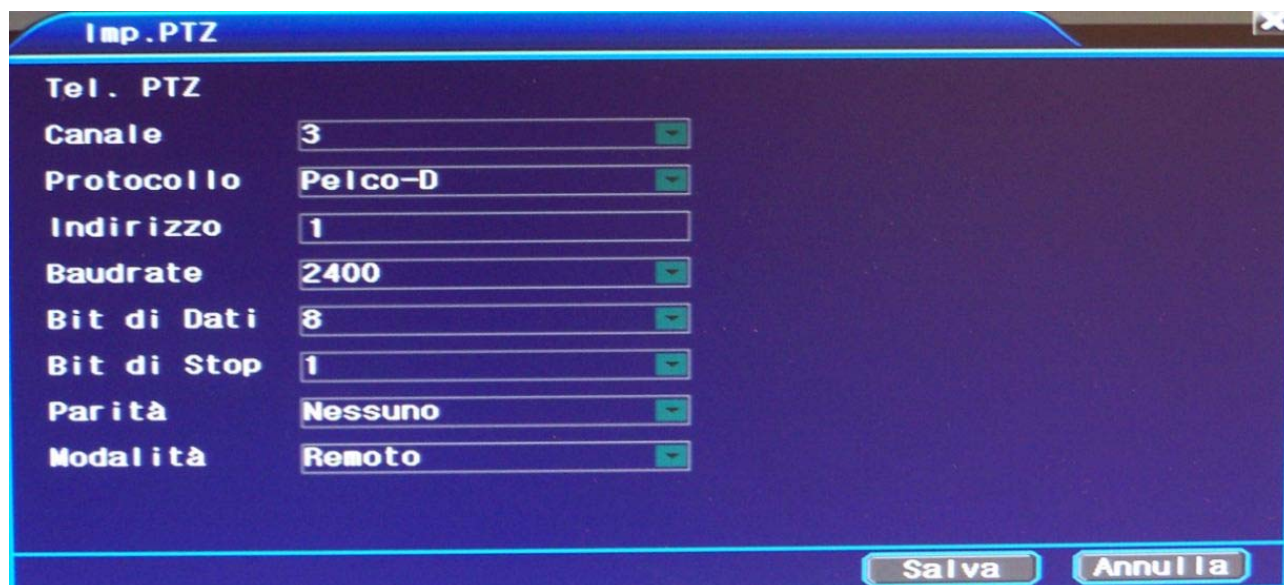
The NVR is able to directly control the motorized cameras speed dome. You should choose the motorized camera by clicking on the image with the right button, then click the PTZ CONTROL option, or press the PTZ button in the toolbar.



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

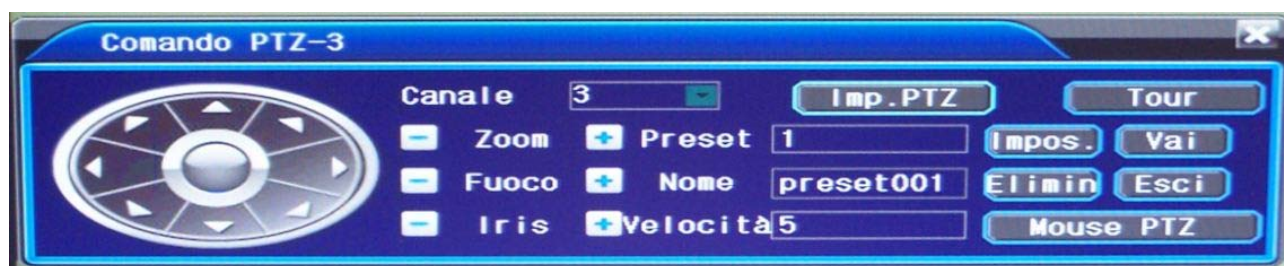


Before you can act on command buttons you need to set the control method by pressing SET PTZ.



If you use an IP speed dome camera DSE as the RH-SD22IR model or another of ONVIF protocol-based IP camera you do not need to set any of the options, but only select the last voice box **REMOTE**. The command of the IP PTZ cameras do not in fact carried out on serial line but through the network.

If you have an external tilt to be controlled via the rear RS485 port on the NVR then you have to set the last entry on LOCAL and correctly define all of the communication parameters (protocol, speed, address, etc.) following the manual of the device you want to control and that will be connected to the rear RS485 port of NVR the PTZ control panel allows several commands:



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. For



call 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.

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.

Recording, Playback, Backup

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 by pressing the button in the toolbar or by choosing MENU OSD from the context menu (right click). Once you have logged-in as described in the previous chapter will open the following window:



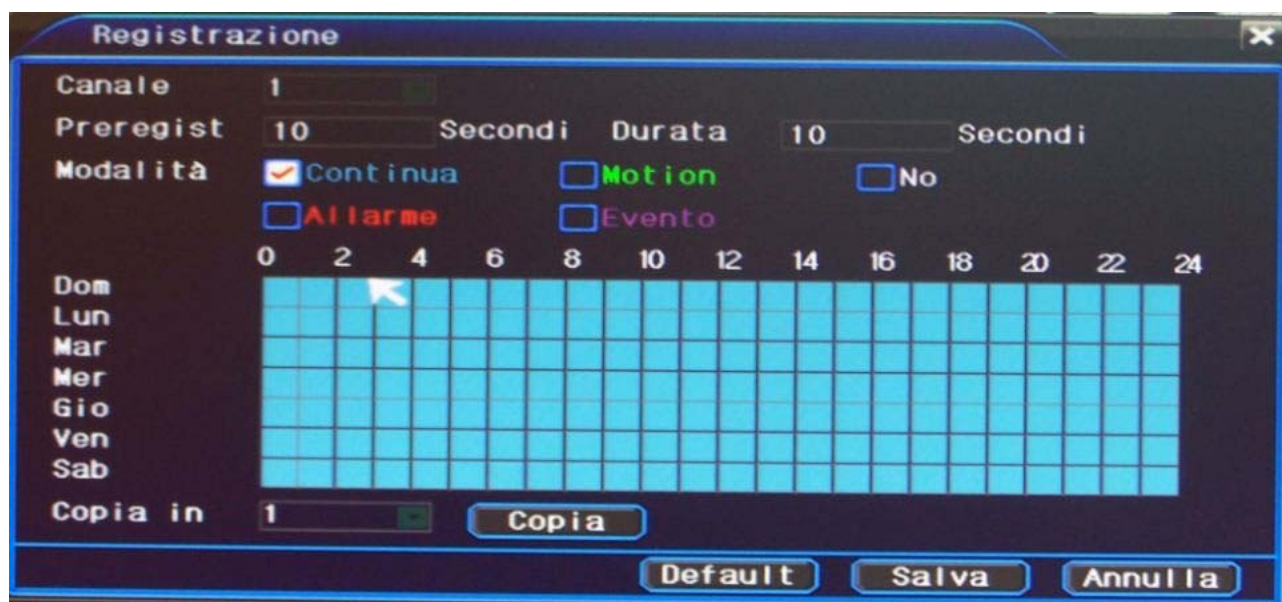
Press the RECORD icon to show the new window



REGISTRATION OPTIONS

In RECORDING section of the OSD menu click RECORD.

In this window you can define how the NVR must register depending on the time of day and day of the week. The DN serious NVR can record 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 that the NVR is able to record before it occurs an alarm event (motion, external input)

DURATION - Sets the recording time after an alarm event (motion, external input)

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 - the NVR records continuous) motion (Green - the NVR records only in case of intrusion detection), no (White - the NVR does not record) alarm

(Red - the NVR records only if active alarm input) event (Purple - the NVR records only in response to intrusion detection or alarm input).

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



in which 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.

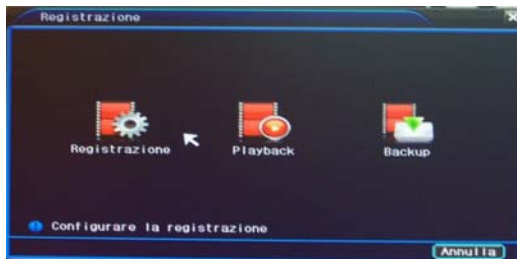
COPY IN - After setting the weekly log frame of the channel 1 is possible, using this button, copy the same program on another channel or on all other channels

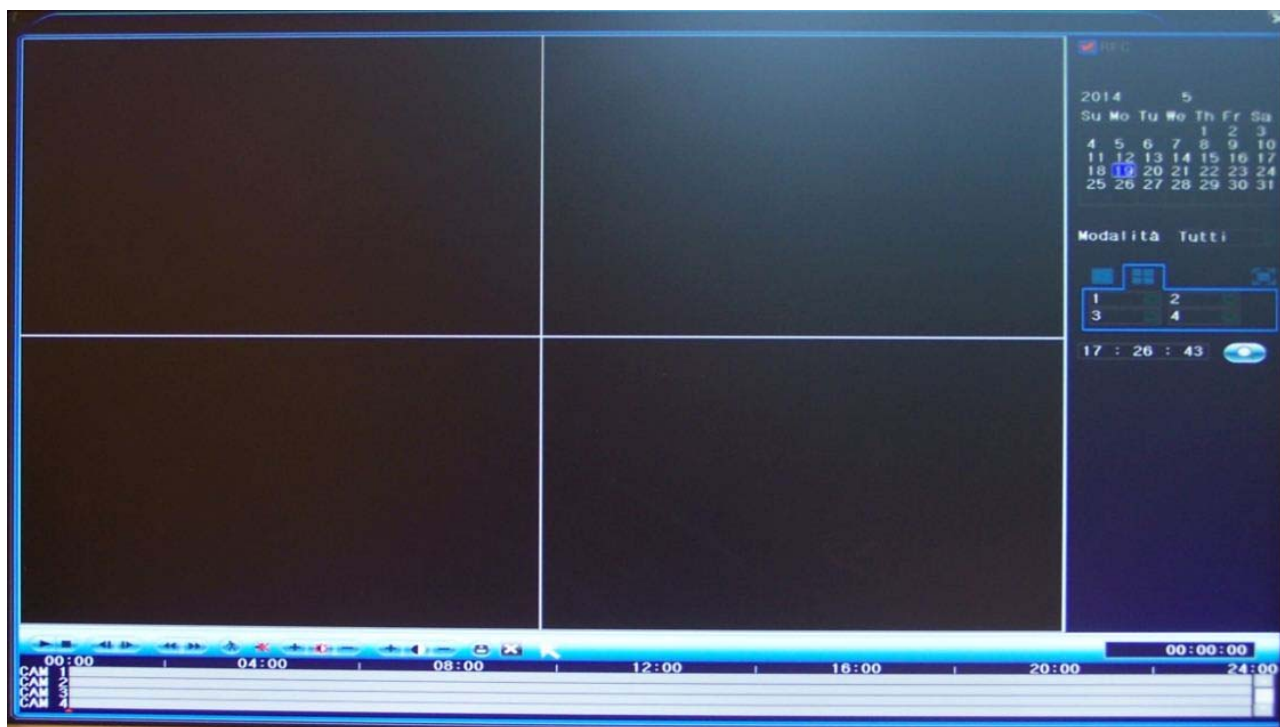
DEFAULT - Restore the hourly factory setting (all recording channels continued)

Once you set your recording options, exit the menu and check the red dots present on the images of the various channels por verify that **they are in recording the channels as desired. Note that in the safety video surveillance is not necessary to press no REC to start** recording as the NVR will start by just logging on start according to its time schedule.

PLAYING VIDEO FILES

From the OSD menu select the REGISTRATION section and click PLAYBACK.





In this window you can search for images recorded and stored in the NVR. This range of NVR is able to play up to two channels at a time in full resolution FullHD.

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

METHOD - '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 example on the right, for example, you have chosen to show images full-screen channel 1. 'E' can play up to



2 channels simultaneously, if they reproduce more than 2 channels will see the message NO RESOURCES. 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)

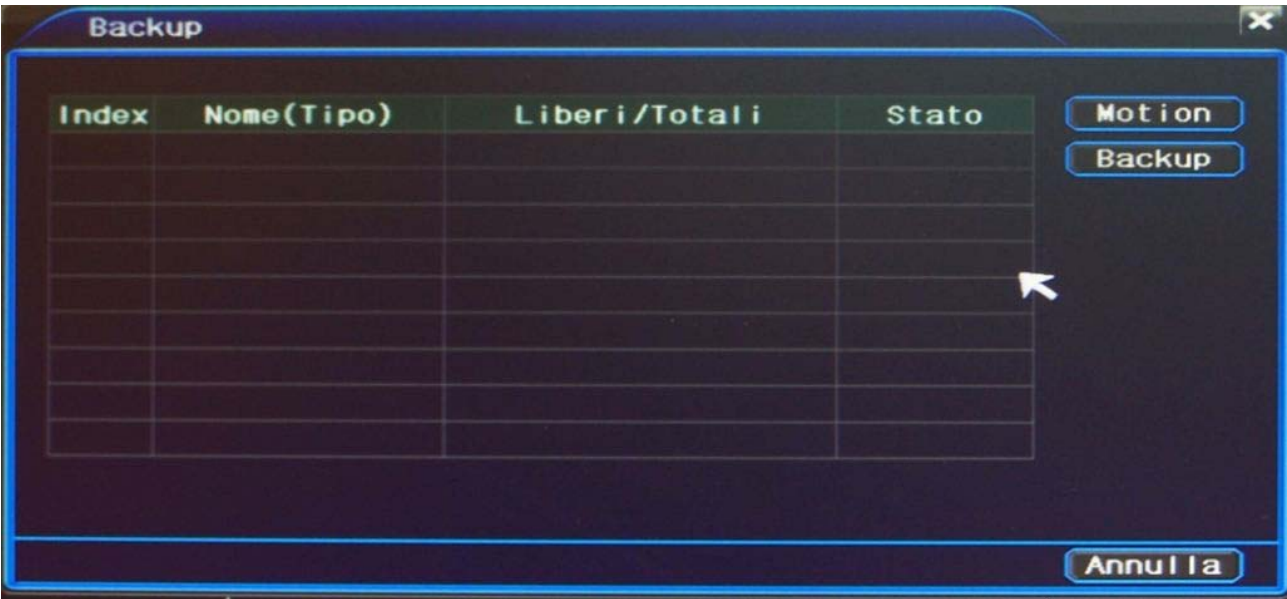
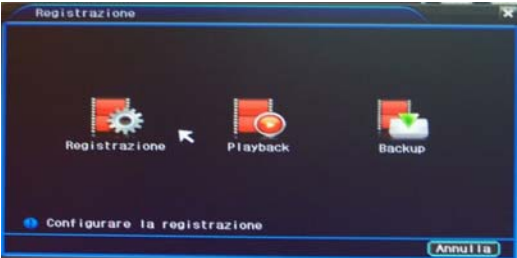
During movie playback you can always digital zoom on a particular aiming with the mouse and turning the mouse wheel back and forth.

EXPORT OF VIDEO FILES

The NVR 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 unit



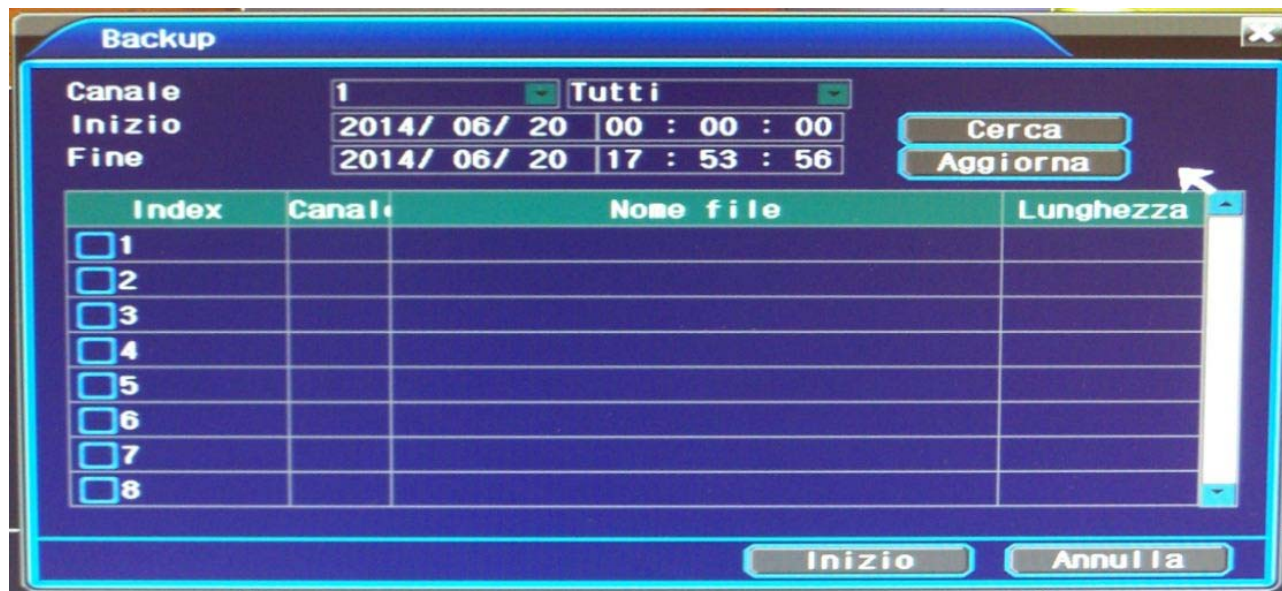
backup must be connected to any USB port, which is the rear side. From the OSD menu select the REGISTRATION section, then click BACKUP.



First, you must press the MOTION button to detect the memory unit connected to the USB port.



Now press the BACKUP button to bring up the file selection window



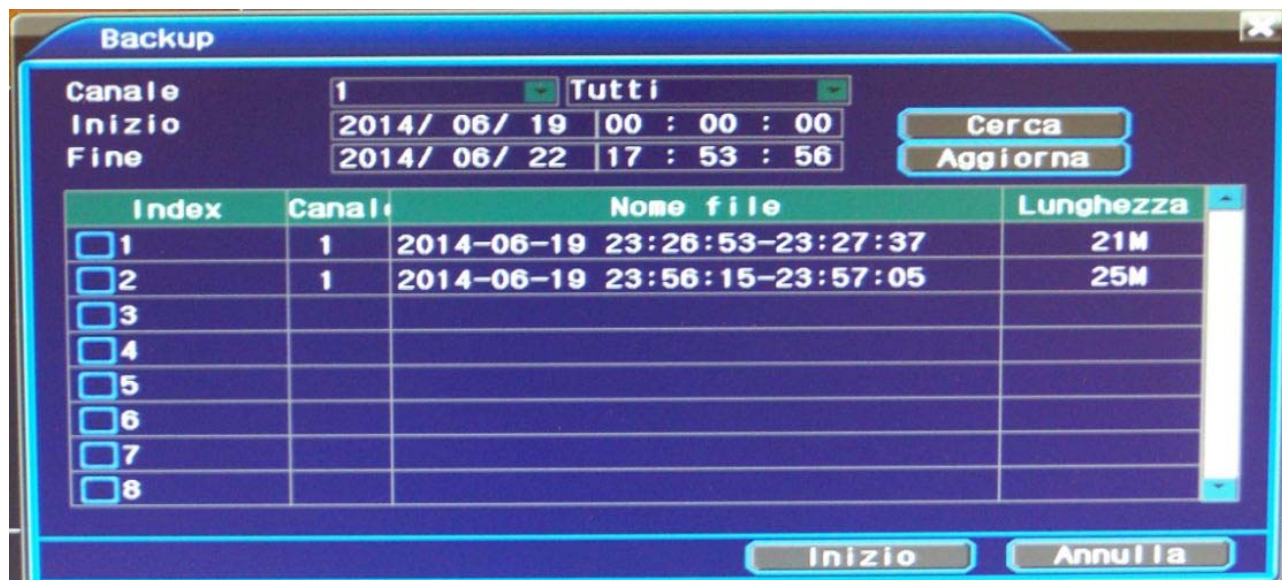
The screenshot shows the 'Backup' window with the following fields and controls:

- Canale:** 1
- Inizio:** 2014/ 06/ 20 00 : 00 : 00
- Fine:** 2014/ 06/ 20 17 : 53 : 56
- Tutti** (dropdown menu)
- Cerca** button
- Aggiorna** button
- Table:**

Index	Canale	Nome file	Lunghezza
<input type="checkbox"/> 1			
<input type="checkbox"/> 2			
<input type="checkbox"/> 3			
<input type="checkbox"/> 4			
<input type="checkbox"/> 5			
<input type="checkbox"/> 6			
<input type="checkbox"/> 7			
<input type="checkbox"/> 8			
- Buttons:** Inizio, Annulla

In this window you determine the files of the investigation, indicating the channel criteria, start date, end date and type of registration.

Press FIND to show the files found on the hard disk of the NVR.



The screenshot shows the 'Backup' window after the search. The table now contains two rows of data:

Index	Canale	Nome file	Lunghezza
<input type="checkbox"/> 1	1	2014-06-19 23:26:53-23:27:37	21M
<input type="checkbox"/> 2	1	2014-06-19 23:56:15-23:57:05	25M
<input type="checkbox"/> 3			
<input type="checkbox"/> 4			
<input type="checkbox"/> 5			
<input type="checkbox"/> 6			
<input type="checkbox"/> 7			
<input type="checkbox"/> 8			

The other fields and buttons remain the same as in the previous screenshot.

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.



21M

Canale

1

Tutti

Inizio

2014/ 06/ 19 00 : 00 : 00

Cerca

Fine

2014/ 06/ 22 17 : 53 : 56

Aggiorna

Index	Canale	Nome file	Lunghezza
<input checked="" type="checkbox"/> 1	1	2014-06-19 23:26:53-23:27:37	21M
<input type="checkbox"/> 2	1	2014-06-19 23:56:15-23:57:05	25M
<input type="checkbox"/> 3			
<input type="checkbox"/> 4			
<input type="checkbox"/> 5			
<input type="checkbox"/> 6			
<input type="checkbox"/> 7			
<input type="checkbox"/> 8			

85 %

Inizio

Annulla

System Options

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

To access the control of these functions open the OSD menu by pressing the button in the toolbar or by choosing MENU OSD from the context menu (right click). Once you have logged-in as described above will open the following window:



Press the SYSTEM icon. The system options are divided into the following categories



GENERAL

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



DATE / TIME - Enter the date and time current

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-TIME - Indicates the reference time zone of the NVR. In Italy choose GMT + 1 DST MOD.ORA - Day Light Saving time means saving time. By putting the check on MOD. it allows the NVR to go alone from solar to daylight saving time.

DST - DST Press the button to specify the DST period. In Italy the summer time begins on the last Sunday in March (2 hours) and lasts until the last Sunday of October (3 hours). LANGUAGE - Change the language of the OSD. By default, the configured language is ITALIAN but all major languages are available.

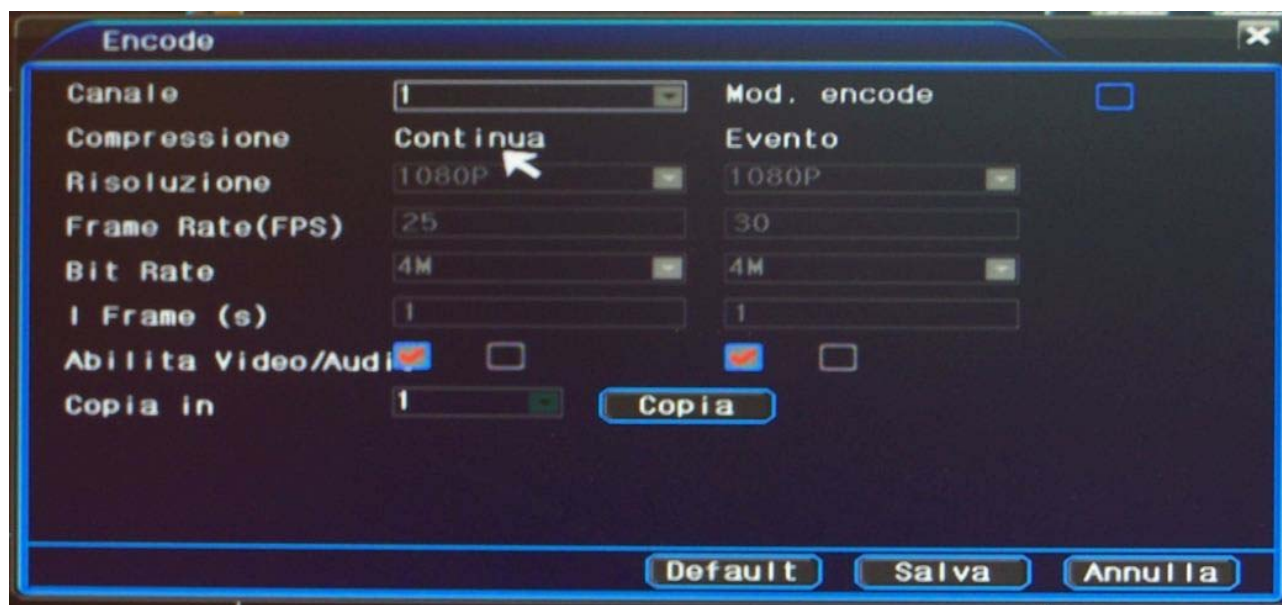
HDD FULL - Here you decide how to act the NVR once exhausted the capacity of your hard disk. You can choose from STOP (stop recording) and OVERWRITE to overwrite older files.

No NVR - E 'can assign an identification number to the device

STANDARD VIDEO - Video format analog output. In Italy maintain PAL AUTOMATIC LOGOUT setting - 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. AUTHORITY. CHANNELS - Enable this option if you want to assign to different users with different access to the various cameras. The level of access is defined in user programming.

ENCODE

This section allows you to define the streaming video settings that will be recorded on each channel.



CHANNEL - Select the channel to configure

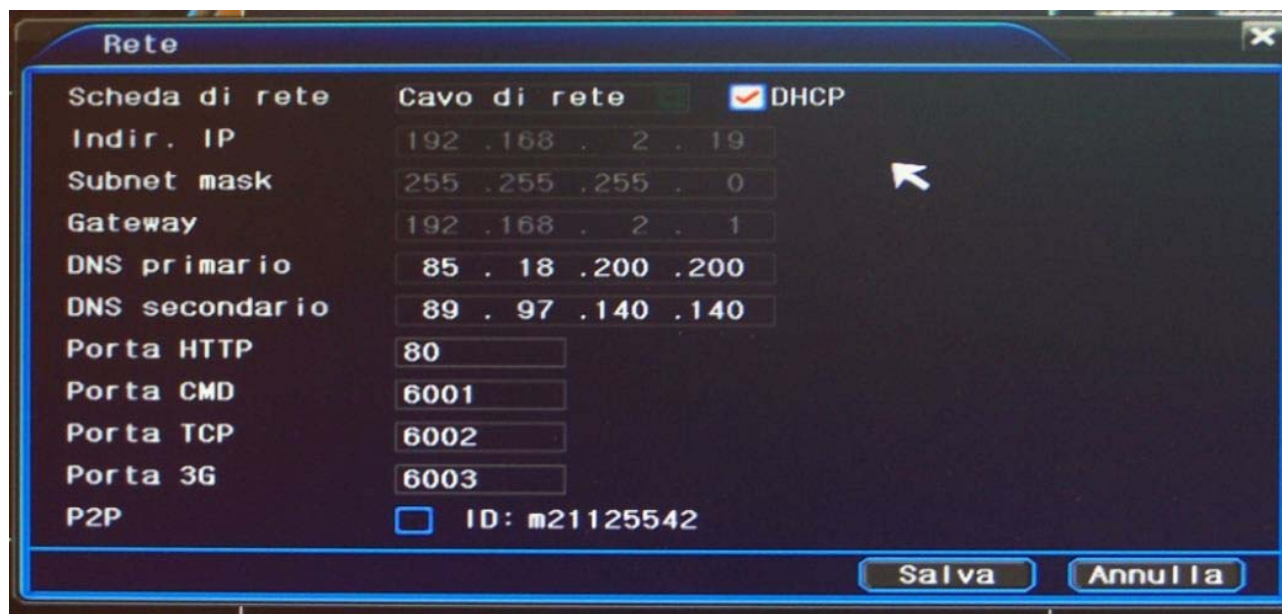
MOD. ENCODE - Enable this function means authorize the NVR to modify the parameters of the connected IP camera. Several options within the NVR are based on an interaction with the camera, for the should enable this option. Not all the remote controls operable by the NVR are nevertheless supported by the connected cameras.

COMPRESSION - E 'can set Resolution, Frame Rate, Bit Rate and the interval between frames. These parameters can be set differently depending on whether the registration issue continues and in case of alarm event. Logically top quality of the encoding corresponds to a greater of disk space occupied.

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

NETWORK

This section allows you to define the network settings of NVR



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 will automatically change in the 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 by NVR in the remote connection to the browser such as Internet Explorer

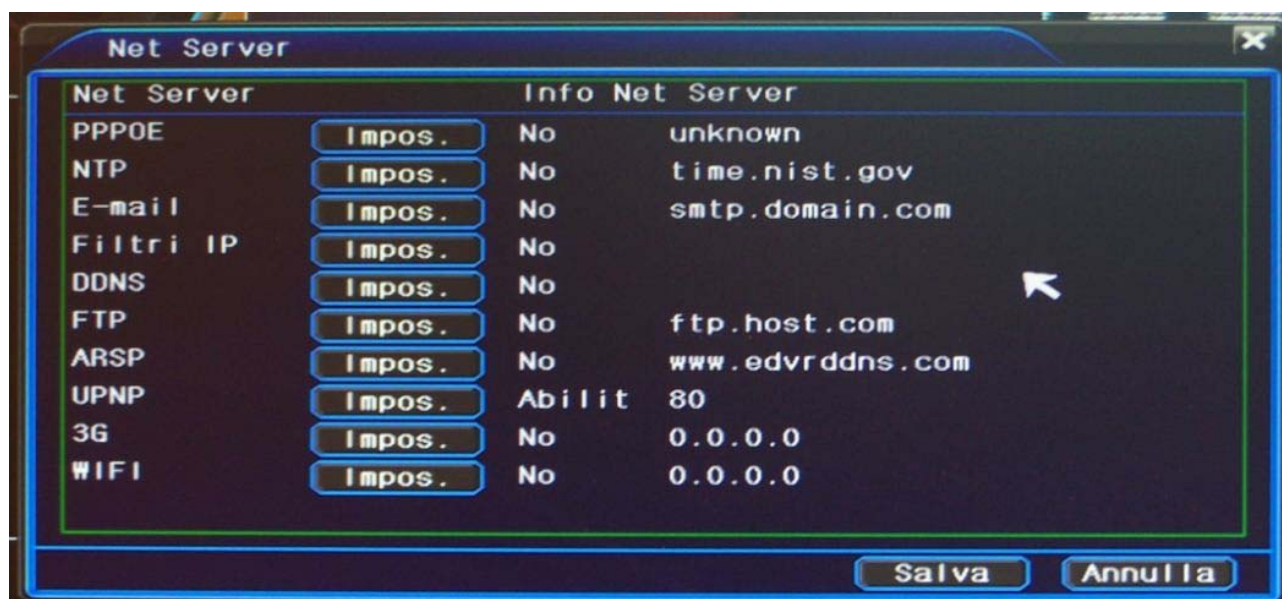
PORT CMD - And 'the port used by the NVR to communicate with the CMS centralization program.

PORT TCP - 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 by the NVR to communicate with mobile devices P2P - Enable NVR in communication with our CLOUD WWW.DDDNS.ORG server as described in the installation manual to allow connection to the NVR without the need for IP address or static mapping in the router. Beside shows the ID of the NVR to be used in WWW.DDDNS.ORG site to access your NVR.

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' NVR directly to an ADSL modem without realizing a 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 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. E-MAIL - Among the many alarm actions that NVR DN series 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 fills the email address and the email address that the NVR will use as the sender. 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.

FILTERS IP - E 'can limit the ability to remotely access the NVR via the control of the IP address of the remote PC. Pressing the Settings button you can choose to create a Blacklist (list of IP addresses that access) or whitelist (list of authorized IP addresses only is not allowed). The list can contain up to 35 IP addresses. It is recommended not to keep this feature incorrectly if you do not intend to use it as this could make the unattainable NVR to external clients.



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 DN series include a convenient free service CLOUD **www.dddns.org** (see installation manual) that allows you to simply get around the obstacle, but you can also use instead the following DDNS services: **3322.org, dyndns.org, and no-ip.com oray.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.

FTP - - Among the many alarm actions that NVR DN series are able to perform is sending the video 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 will attempt to map alone the gates of the necessary router to access the Internet. Check the router configuration to enable this protocol (if supported).

3G - E 'can connect the NVR 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.

Contact the technical assistance of the data service provider for the correct compilation WIFI - You can use the NVR with wifi connection by connecting to a USB port of the NVR a wifi stick with RT3070 chipset

DISPLAY

This section allows you to define how it is shown on the screen the live camera viewing panel



CHANNEL NAME - Pressing Settings you can assign a custom name to each of the NVR camera

MONITOR - The following options are overlays that are described on screen but not recorded.

DATE / TIME - Enables the display of date / time down the system in the NVR screen. E 'can define the color of the overlay (white / black / red / green / blue) so that ridges in relation to the background.

CHANNEL NAME - Enables the display of the camera name in the lower left pane of each camera. E 'can define the color of the overlay (White / black / red / green / blue) so that ridges in relation to the background.

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 lettering superimposed on the screen of the NVR.

ENCODE - The following options are overlays that are shown on the video recorded, and are not visible on the monitor NVR.

CHANNEL - Choose the channel on which to apply the following settings in the PRIVACY ZONE window - press the Settings button, you can mask portions of the image

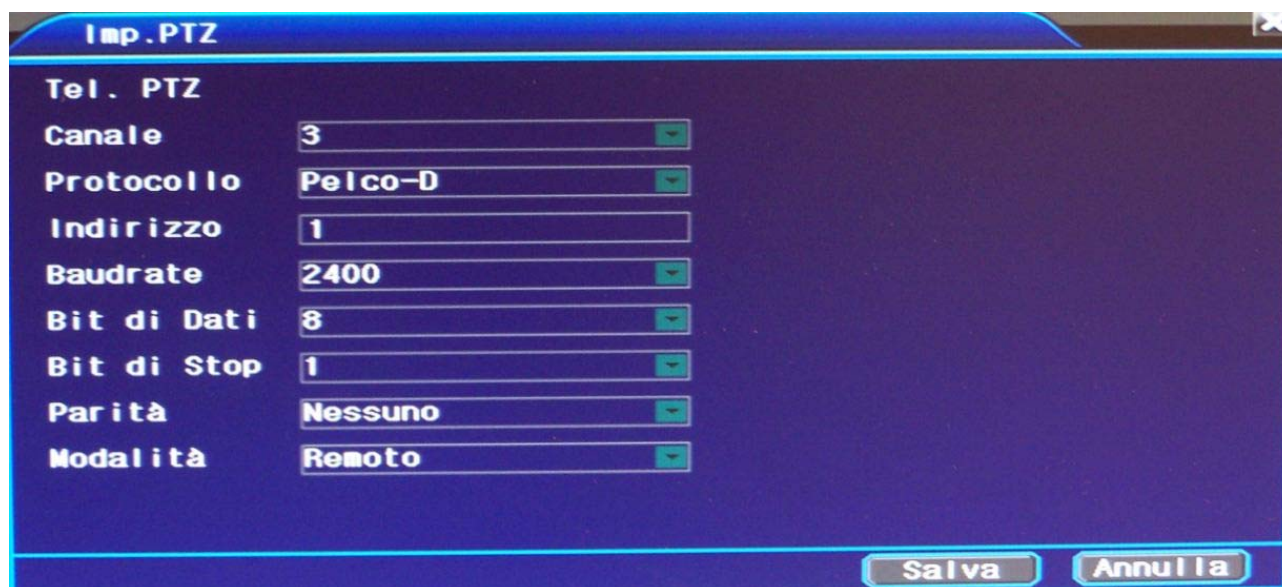
you do not want to take

DATE / TIME - Enables the overlay of the date and time in the frame of the selected channel. CHANNEL NAME - Enables display of the camera name

SETTINGS - Define the position of these overlays in the box by dragging with the mouse.

PTZ SETUP

This section allows you to set communication parameters to control speed dome PTZ cameras.



The screenshot shows a window titled "Imp. PTZ" with a dark blue background. It contains several configuration options, each with a text label and a corresponding input field or dropdown menu. The options are: "Canale" (Channel) set to "3", "Protocollo" (Protocol) set to "Pelco-D", "Indirizzo" (Address) set to "1", "Baudrate" (Baudrate) set to "2400", "Bit di Dati" (Data Bits) set to "8", "Bit di Stop" (Stop Bits) set to "1", "Parità" (Parity) set to "Nessuno" (None), and "Modalità" (Mode) set to "Remoto" (Remote). Each input field has a small green arrow icon on the right. At the bottom right of the window, there are two buttons: "Salva" (Save) and "Annulla" (Cancel).

Label	Value
Canale	3
Protocollo	Pelco-D
Indirizzo	1
Baudrate	2400
Bit di Dati	8
Bit di Stop	1
Parità	Nessuno
Modalità	Remoto

CHANNEL - Select the channel to set where the motorized camera is connected. METHOD - The last box in this window is the most important. If the channel contains a motorized IP camera you'll have to set it to REMOTE. 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, however, you are checking a non-IP device connected to the RS485 serial port of the NVR, then you have to set the LOCAL mode and set all other communication parameters.

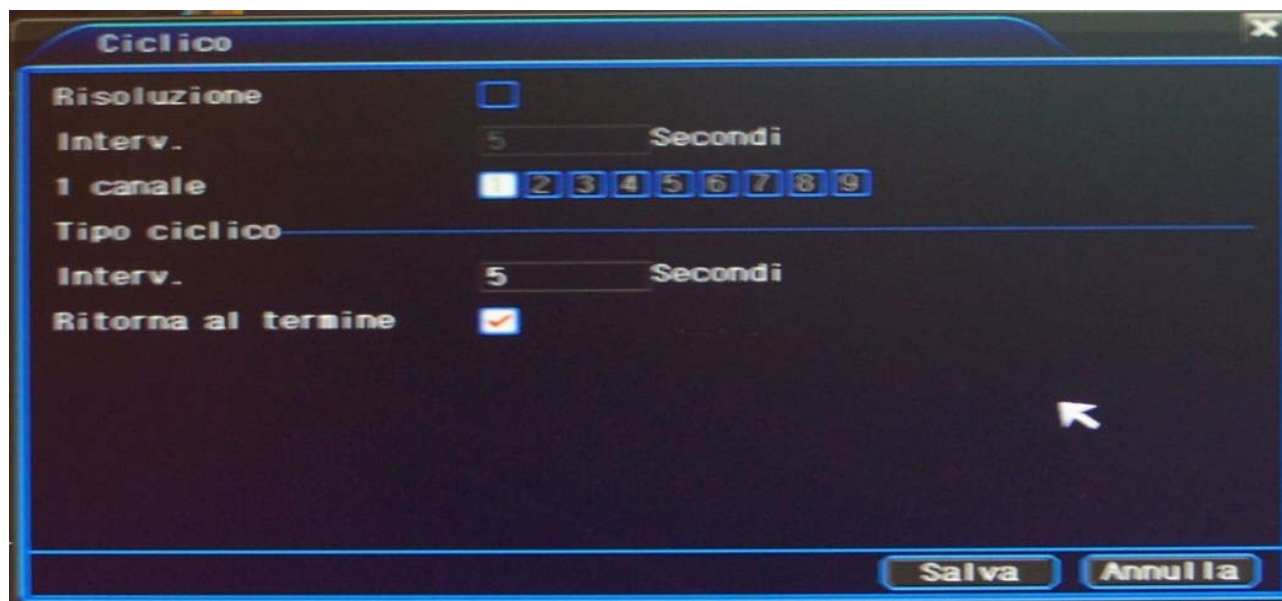
PROTOCOL / ADDRESS / BAUDRATE / BITDATI-STOP / PARITY - These settings are only used if the PTZ device is connected to the RS485 serial port and the mode is set as LOCAL. Consult the manual PTZ unit to set them consistently.

IP CAMERAS

This window allows you to configure and organize the channels of NVR by connecting IP cameras to the system. The use of this section is described in the installation manual.

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 also start a cyclical scanning after an alarm



RESOLUTION - Enables the display of a cyclical scan cameras Interval - Defines how many seconds to wait between a camera and the next when scanning

CHANNEL - Defines which channels are part of the cyclical scan

SEQUENCE TYPE ALARM - The following parameters are specific only to the cyclical scan that you can start after an alarm (see alarm section). INTERVAL - Defines how many seconds to wait between a camera and the next in the scanning generated in response to an alarm

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.

Alarm Options

This chapter of the manual describes how to configure the options that relate to the alarm management of NVR.

To access the control of these functions open the OSD menu by pressing the button in the toolbar or by choosing MENU OSD from the context menu (right click). Once you have logged-in as described above will open the following window:



Press the ALARM icon. The alarm options are divided into the following categories:



MOTION

DN Series NVRs are able to generate alarms when an intrusion generate a modification of the image d ell-in camera. This function is known as motion detection or motion detection. This window allows you to configure the motion detection parameters



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

detection SENSITIVITY '-' Adjusts the response speed of detection

AREA - Define with your mouse the area you want to consider the motion detection. The gray boxes will not be considered in the survey. Press the right button to confirm

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

ALARM OUTPUT - E 'can bind to the detection do the rear alarm output for controlling external devices.

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

TOUR - And 'possible in case of motion alarm start loop scanning between some camera you can specify in this grid. You can also use this function by selecting a single camera that will be brought to full screen in the event of an alarm. The scan mode is set in the system options as above.

ACTIVE PTZ - E 'possible in case of motion alarm trigger an automatic movement of one or more



speed dome cameras connected to the NVR (preset or tour)

MESSAGE - Activate the alarm icon appears in the box in case of alarm SEND EMAIL - Send warning e-mail after the motion detection.

The e-mail settings can be found in the system settings as described above and are also accessible from the Settings button

BUZZER - Enables the internal buzzer of the NVR in case of FTP UPLOAD detection - Send a result of the motion detection alarm video to an FTP server. The FTP settings are found in the system settings as described above and are also accessible from the Settings button

COPY - Copy channel settings programmed on one or more other channels.

MASKING

This feature is under development and is currently not available

LOST VIDEO

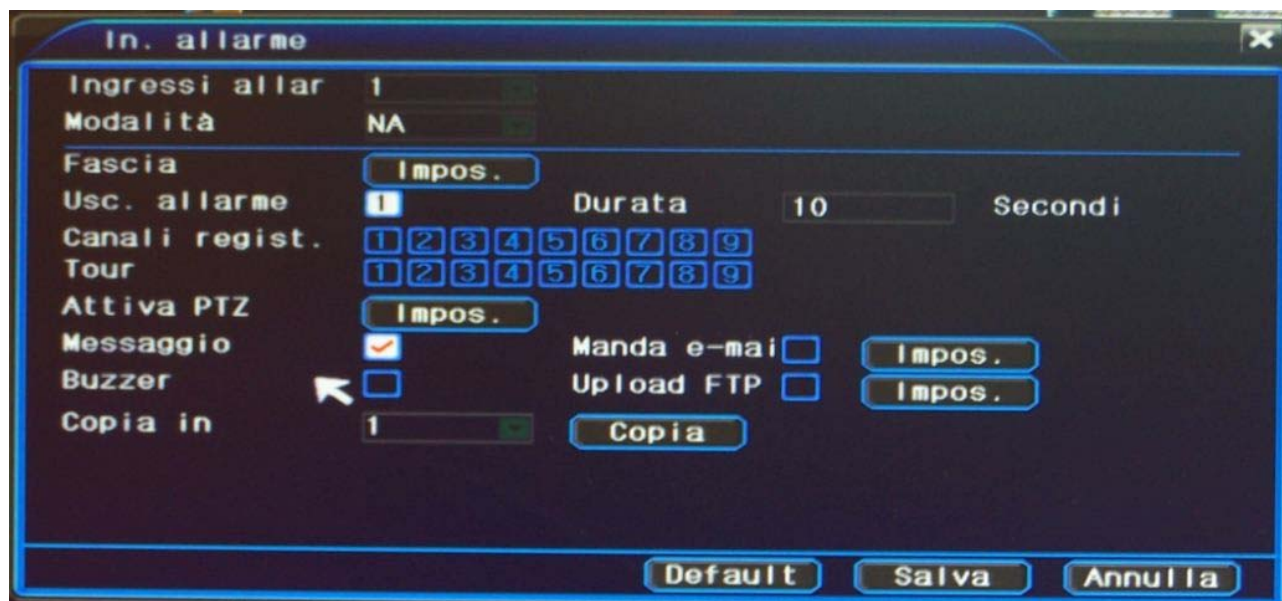
DN Series NVRs are able to generate alarms in the event that the video signal of a camera ceases to be received by the NVR.



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

The NVR DN series are able to generate alarms following the activation of a rear alarm input



In. allarme

Ingressi allar: 1

Modalità: NA

Fascia: Impos.

Usc. allarme: 1 Durata: 10 Secondi

Canali regist.: 1 2 3 4 5 6 7 8 9

Tour: 1 2 3 4 5 6 7 8 9

Attiva PTZ: Impos.

Messaggio: ☒ Manda e-mai: ☐ Impos.

Buzzer: ☐ Upload FTP: ☐ Impos.

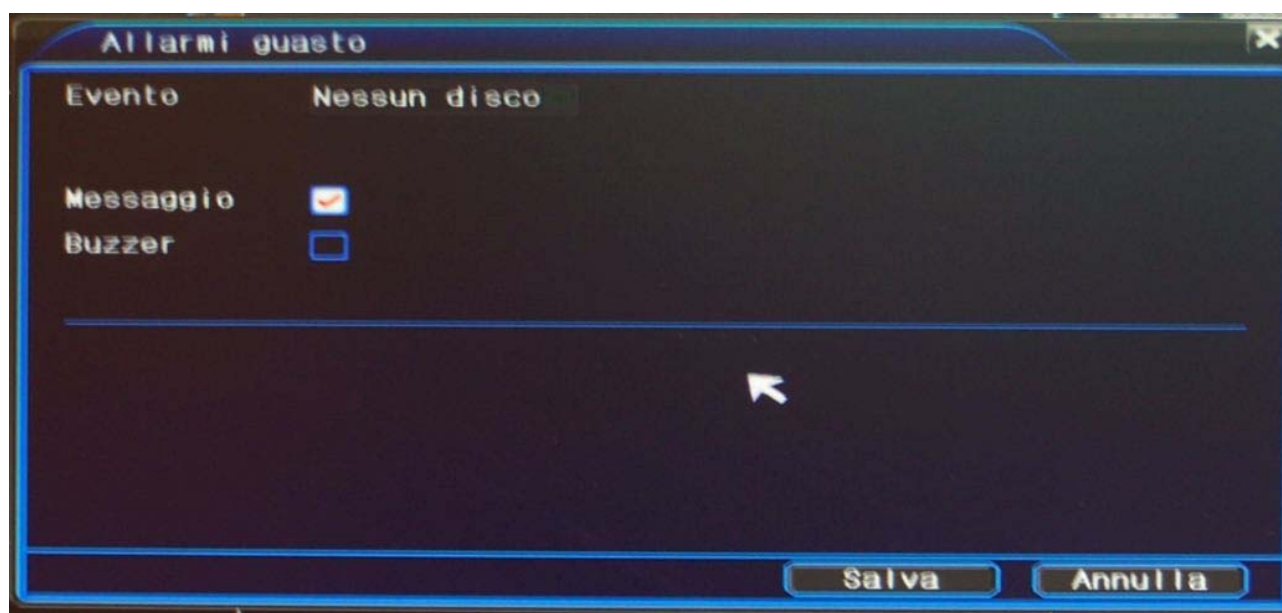
Copia in: 1 Copia

Default Salva Annulla

INPUTS ALARM - Select the input to be programmed (1,2,3,4, all) **METHOD** - Defines the way of NA alarm input operation (normally open) or NC (normally closed). For example, a programmed input as NA generate alarm when the circuit connected at its terminals will be closed. **ALARM ACTION** - The alarm actions that can be set are the same as already described for the motion alarm.

ALARM FAILURE

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



Allarmi guasto

Evento: Nessun disco

Messaggio: ☒

Buzzer: ☐

Salva Annulla

It's 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).

Advanced options

This chapter of the manual describes how to configure advanced options that relate to more sophisticated management of the NVR.

To access the control of these functions open the OSD menu by pressing the button in the toolbar or by choosing MENU OSD from the context menu (right click). Once you have logged-in as described above will open the following window:



Press the ADVANCED icon. The advanced options are divided into the following categories:



HDD MANAGEMENT

The NVR store recordings on Hard Disk SATA type to be inserted inside as explained in the installation manual.



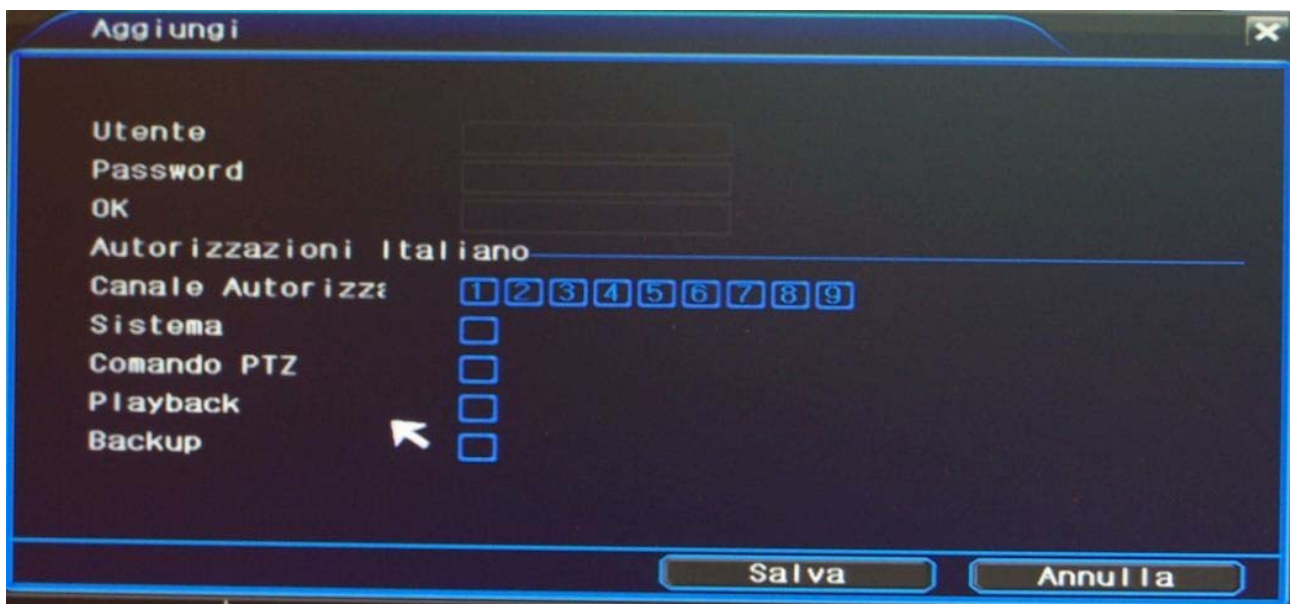
This window lists the hard drives found inserted in the NVR and you can make the physical format by pressing the FORMAT button. If the hard disk that you have entered in the NVR is not listed in the table confirm that it proves wiring and operation. The disk format operation is essential because the NVR can record properly.

USERS

Access to dell 'NVR configuration is password protected. In this section you can manage system users



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



USER - Define the user name

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

for confirmation

AUTHORIZED CHANNEL - Select which channels are accessible to the user SYSTEM - Define whether the

user has access to the CONTROL PTZ NVR configuration - Define if the user can control speed dome cameras

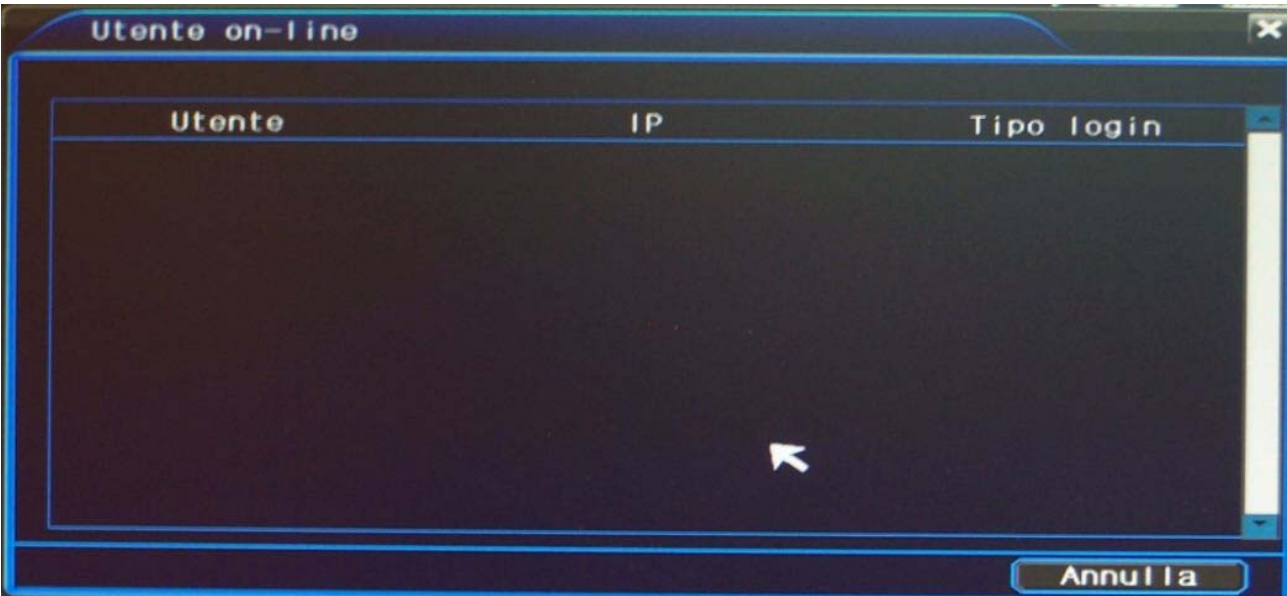
PLAYBACK - Define whether the user can review the recorded footage



BACKUP - Define whether the user can export the recorded movies

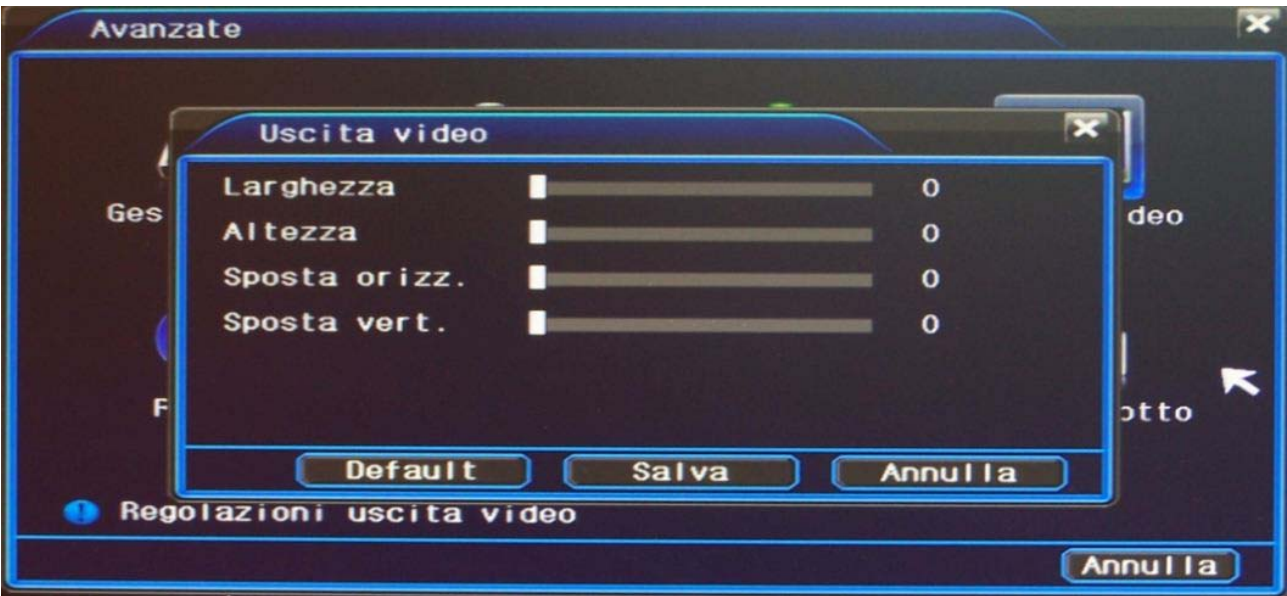
USER ON-LINE

This table shows any remote users connected to the NVR



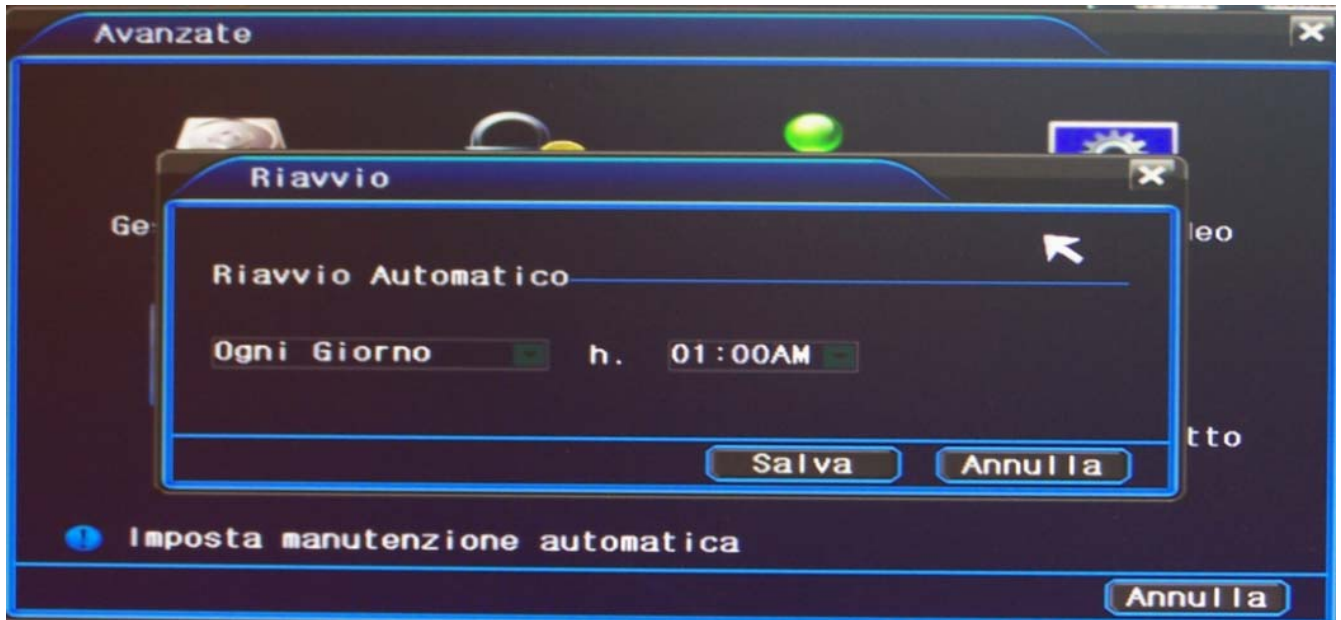
VIDEO

This window allows you to adjust the analog output video size to adapt perfectly to the screen.



RESTART

This window allows you to program the automatic restart of the NVR



You can set a daily or weekly basis and restarting now.

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.

UPGRADE

This window is used to update the NVR firmware. You should get the

file

Upgrading from DSE and copy it in a USB key to be inserted into a port of the NVR



UNITA 'MEMORY - only USB Available

FILE UPGRADE - If the update file is valid will be shown mentioned in this EMPTY box - Restart the search for the update file

UPGRADE - Start update.

PRODUCT INFORMATION

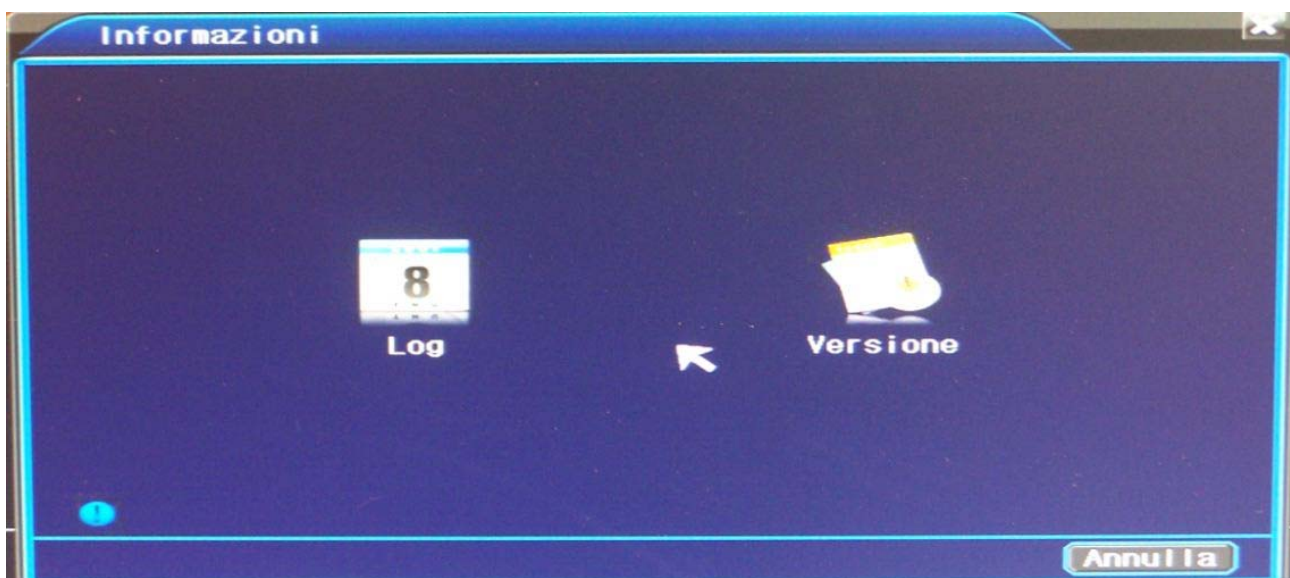
This window summarizes the allocation of video channels, the NVR alarm inputs and outputs.

events and information Memory

To access information on NVR open the OSD menu by pressing the button in the toolbar or by choosing MENU OSD from the context menu (right click). Once you have logged-in as described above will open the following window:

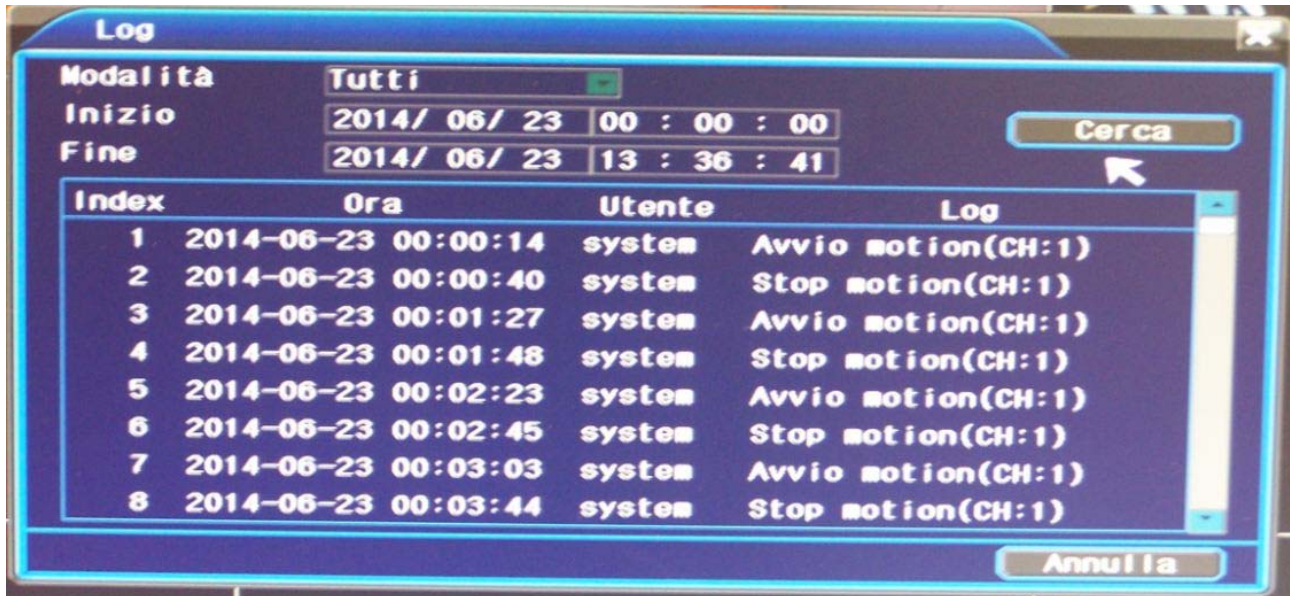


Press the INFORMATION icon.



LOG

The log button make it possible to read the memory of the events NVR



METHOD ' - 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

VERSION

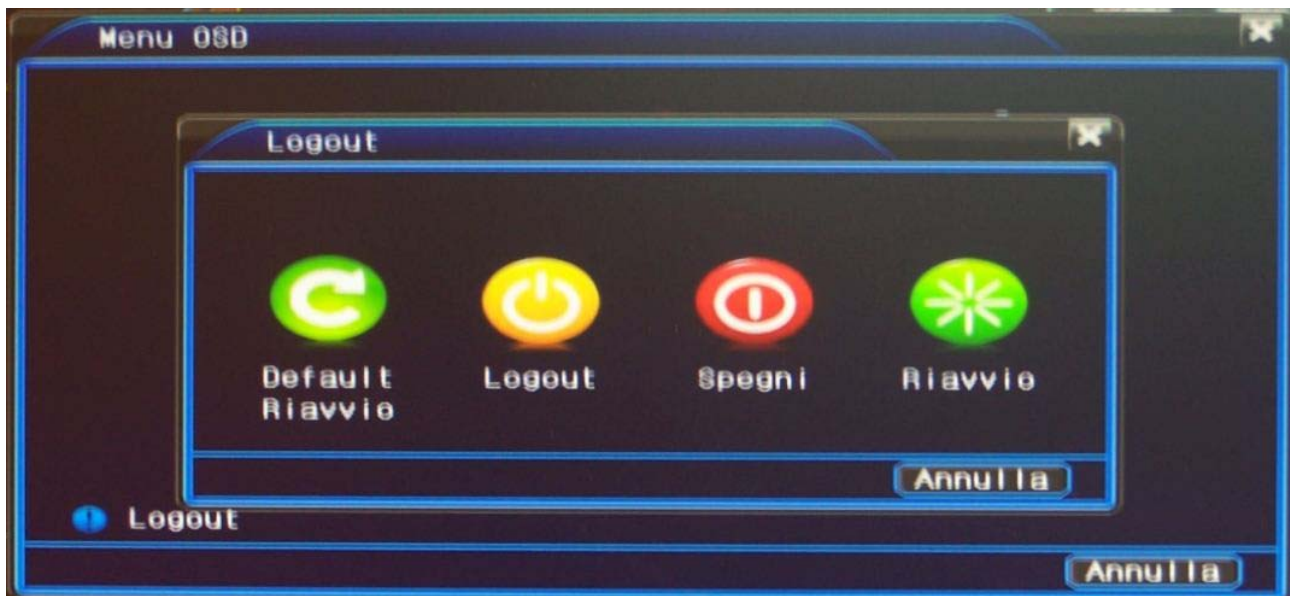
Show the endowment NVR (video input and I / O), the firmware version and serial number of the NVR

LOGOUT

The less OSD also includes a logout button to exit the system.



Press the LOGOUT icon



DEAFUL RESTART - This button restarts the device and restores the factory settings LOGOUT - This button exits the OSD menu by doing the logout. To re-enter the menu will need to enter your credentials again.

POWER - This button turns off the NVR. It is always advisable to turn off the DVR with this command without interrupting the supply in order to avoid writing errors on the disc.



RESTART - Restart the NVR