

4 VIDEO CHANNEL DVR H.264 CIF
Ref. 1093/061S



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1 GENERAL INFORMATION

Dear Customer,

Thank you for purchasing this product.

This document describes how to install and use URMET Domus Digital Video Recorder model 1093/061S.

Read this manual which contains information for correct, safe use carefully. Keep this manual at hand so that you can refer to it when needed.

1.1 PRODUCT DESCRIPTION

URMET Domus DVR DVS 1093/061S product is a digital video recorder capable of recording several cameras on internal hard disk while showing live camera feed at the same time. Alternatively, up to two recorded cameras can be shown at the same time.

1.1.1 GENERAL FEATURES

- High video image quality
- H.264 compression
- Alarm type events: motion detection, sensors, video tampering and video signal interruption
- 100 fps live and recording
- 10/100 network interface
- Full remote viewing and management using dedicated software and Internet Explorer web page
- Dual-stream function: possibility of generating two independent video streams: one main stream for recording to local hard disk; one secondary stream for remote viewing via network (optional)
- Compatible with Urmec DVR DVS mobile video surveillance software
- Capable of housing up to eight internal hard disks (*) or four hard disks plus one CD burner for backup
- Management for various devices in a network using dedicated software
- Front control screen
- 41 key IR remote control
- Mouse-compatible
- DVD burner-compatible
- Player watermarking function (certification that the pictures during playback were actually recorded by a certain device)
- Simplified, multilingual configuration menu
- Compact size

IMPORTANT NOTE

(*) Contact an authorised Service Centre for increasing the recording capacity of the DVR.

1.2 OPENING THE PACKAGE

Check that the packing and the contents are not visibly damaged. Contact the retailer immediately if parts are either missing or damaged. Do not attempt to use the device in this case. Send the product back in its original packing if it is damaged.

1.2.1 CONTENTS OF THE PACKAGE

- DVR
- Power cord with Italian plug
- Power cord with Shuko plug
- Mouse
- USB cable
- 12Vdc 300 mA Power Supply unit
- Brackets for installation in a rack
- Instruction manual
- IR remote control (two size AAA batteries included)
- CD-ROM containing software and manuals
- Straight UTP Cat-5 network cable with RJ45 connector
- Twisted UTP Cat-5 network cable with RJ45 connector

IMPORTANT NOTE

Accessories may be changed without prior notice.

1.3 WARNINGS

1.3.1 POWER

- Check mains rating before plugging the power unit in.
- Do not pull the cable to unplug the device.
- Switch the device off before unplugging power unit. This operation must not be performed when the DVR is recording, playing or from the configuration menu. Stop recordings and playback in progress before disconnecting power from the device to prevent damaging the hard disk beyond repair.

1.3.2 SAFETY PRECAUTIONS

- Keep the device away from rain and humidity to prevent risk of fire and electrocution. Do not introduce material (solid or liquid) inside. If this should accidentally occur, disconnect the device from the mains and have it inspected by qualified personnel.
- Never open the device. In all cases, contact a qualified personnel or authorised service centre for repairs.
- Keep the device away from children, to prevent accidental damage.
- Do not touch the device with wet hands to prevent electrical shock or mechanical damage.
- Do not use the device if it should fall or the external casing is damaged. Risk of electrocution if the device is used in such conditions. Contact the retailer or authorised installer.

1.3.3 INSTALLATION PRECAUTIONS

- To prevent overheating the device, arrange it in a position allowing the flow of air through the slots in the casing. Ensure at least 5 cm of free space when installing inside a rack. For the same reason, do not install sources of heat, such as radiators or hot air ducts. Keep away from direct sunlight. Do not install in areas subject to excessive dust, mechanical vibrations or shocks.
- Do not arrange this device on an unstable surface, such as a tottering or slanted table. The device could fall causing injury or mechanical failures.
- Do not install the device in a place where it could be exposed to humidity or water. Do not direct a jet of water onto the device: risk of fire, electrocution or mechanical failure.
- Stop using the device if water or other material should penetrate inside: risk of fire and electrocution. Contact the retailer or authorised installer.
- Do not place heavy or heat generating objects on top of the device: this could damage the casing and/or increase internal temperature causing faults.
- Do not cover the device with a cloth while it is running to prevent deforming the external casing and overheating the internal parts: risk of fire, electrocution and mechanical failure.
- Keep magnets and magnetised objects away from the device to prevent faults.
- Do not use the device in presence of smoke, vapour, humidity, dust or intense vibrations.
- Wait for a while before operating a device immediately after transporting it from a cold place to a warm place and vice versa. Wait on average for three hours: this will allow the device to adapt to the new ambient (temperature, humidity, etc.).

1.3.4 CLEANING THE DEVICE

- Rub delicately with a dry cloth to remove dust and dirt.
- Dip the cloth in neutral detergent if dirt cannot be eliminated with a dry cloth alone.
- Do not use volatile liquids (such as petrol, alcohol, solvents, etc.) or chemically treated clothes to clean the device to prevent deformation, deterioration or scratches to the paint finish.

1.3.5 HARD DISK

- The hard disk installed in this device is sensitive to shocks, differences in temperature and vibrations. Disrespect of these precautions can compromise correct operation of the device and cause loss of data stored on the hard disk.
- If repairs are required, it is advisable to backup all important data before taking the device to the service centre. URMET Domus S.p.A. is not liable for loss of stored data.
- The addition of a hard disk must be performed by qualified technical personnel or by contacting the technical assistance service.

1.3.6 IMAGE RECORDING

- This device was designed to record images, not as a burglar alarm. URMET Domus S.p.A. cannot be held liable for loss or damage following theft sustained by the user.
- Make a test recording before using the device to make sure that is working correctly. Please note that URMET Domus S.p.A. is not liable for loss of stored data consequent to loss or damage caused by incorrect observation installation, use, improper use or malfunctioning of the device.
- This device contains precision electronic components. Protect the device from shocks to ensure correct recording of images.

1.3.7 PRIVACY AND COPYRIGHT

- The DVR DVS digital video recorder is a device for CCTV systems. Recording of images is subject to the laws in force in your country. Recording of images protected by copyright is forbidden.
- Product users shall be responsible for checking and respecting all local rules and regulations concerning monitoring and recording video signals. The manufacturing SHALL NOT BE LIABLE for use of this product not in compliance with the laws in force.

1.3.8 SOFTWARE UPGRADES

- Regularly check the specific section of the manufacturer's web site at <http://www.urmetdomus.it> for software upgrades.

1.3.9 FIRMWARE UPGRADES

- Periodically check the URMET Domus SpA Customer Service Technical Area for firmware upgrades.

1.3.10 NETWORK INSTALLATION

- The factory default IP address of the DVR is the following: 192.0.0.64.
- Using the DVR Network OSD Menu, assign the DVR an IP address which hasn't been assigned to other devices in order to prevent any network conflict.
- After assigning a proper IP address to the DVR, it can be connected to the Network.

1.3.11 NETWORK CONNECTION

- When connecting to a remote PC (using Client Software or I.E.), remember that all video channels used by the PC correspond to a "unicast" type connection (TCP, RTP,UDP etc).
- The DVR is capable of supporting up to 24 "unicast" connections, i.e. up to 24 video channels connected in TCP, RTP, UDP.

2 DESCRIPTION OF THE PARTS

2.1 FRONT PANEL

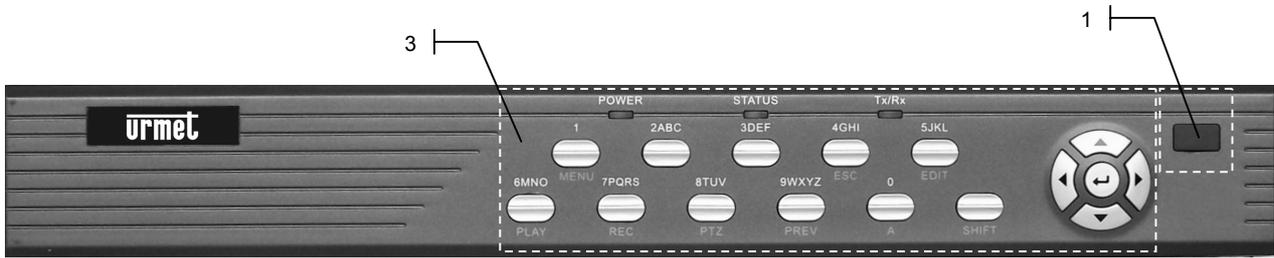


Figure 1: front panel



Figure 2: front panel details

ID	PART	DESCRIPTION
1		IR sensor: receives the IR signals from the remote control.
		DVR state LED <ul style="list-style-type: none"> ➤ POWER <ul style="list-style-type: none"> • green: this indicates that the device has successfully ended initialisation operations and is ready for use ➤ STATUS <ul style="list-style-type: none"> • off: this enables controls from front panel or IP keypad • green: this indicates that numeric functions have been enabled by pressing the SHIFT button ➤ Tx/Rx <ul style="list-style-type: none"> • green blinking: this indicates traffic on the transmission/reception network

3	SHIFT	In input mode, this enables numeric functions, characters and symbols (STATUS LED on). Press SHIFT again to deactivate the functions and restore the new functions (STATUS LED off).
	0 / A	Numeric function 0 (SHIFT on) in input mode. In LIVE mode, shows or hides the camera state bar. In "Preview" → "Layout" menu, hides video signal in LIVE mode (function available using the mouse).
	1 / MENU	Numeric function 1 (SHIFT on) in input mode - input selection 1. SHIFT off to access main menu.
	2 / ABC	Numeric function 2/ABC (in rapid sequence) in input mode (SHIFT on) - input selection 2.
	3 / DEF	Numeric function 3/DEF (in rapid sequence) in input mode (SHIFT on) - input selection 3.
	4 / GHI (ESC)	Numeric function 4/GHI (in rapid sequence) in input mode (SHIFT on) - input selection 4. SHIFT off quits the configuration menu and goes back by one step.
	5 / JKL (EDIT)	Numeric function 5/JKL (in rapid sequence) in input mode (SHIFT on). Confirmation button. SHIFT off, enables/disables options. In playback mode, selects recordings.
	6 / MNO (PLAY)	Numeric function 6/MNO (in rapid sequence) in input mode (SHIFT on). SHIFT off accesses playback mode. In playback mode, mutes audio.
	7 / PQRS (REC)	Numeric function 7/PQRS (in rapid sequence) in input mode (SHIFT on). SHIFT off accesses manual recording mode.
	8 / TUV (PTZ)	Numeric function 8/TUV (in rapid sequence) in input mode (SHIFT on). Accesses PTZ control mode. In PTZ mode, allows to adjust iris opening of the connected Speed Dome.
	9 / WXYZ (PREV)	Numeric function 9/WXYZ (in rapid sequence) in input mode (SHIFT on). In LIVE mode (SHIFT off), displays the cameras in groups of four on the monitor.
	▲	Selection button. Plays images at different speeds faster than normal playback speed (1x); press several times to change speed. In PTZ mode, moves camera position and changes displacement speed.
	▼	Selection button. Plays images at different speeds slower than normal playback speed (1x); press several times to change speed. In PTZ mode, moves camera position and changes displacement speed.
	▶	Selection button. Plays images forwards in defined steps (30 seconds). In PTZ mode, moves camera position and changes displacement speed.
	◀	Selection button. Plays images backwards in defined steps (30 seconds). In PTZ mode, moves camera position and changes displacement speed.
↵	Confirmation button. Enables/disables options. In playback mode, starts, stops and pauses and allows frame-by-frame feed.	

2.2 REAR PANEL

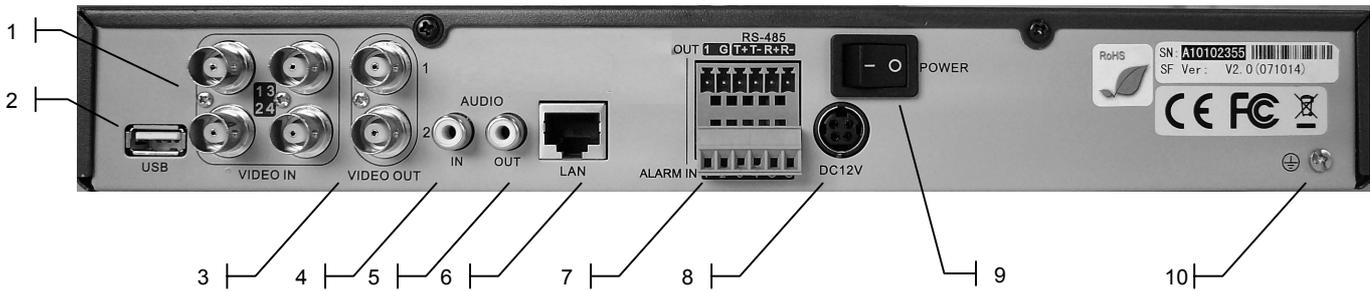


Figure 3: rear panel

ID	DESCRIPTION
1	Video input BNC sockets: these are used to connect the cameras. They have 75 Ω terminals.
2	USB port: port for connecting a USB device for: <ul style="list-style-type: none"> back-up to external hard disk back-up to CD / DVD burner firmware upgrades connecting a mouse <p>The port may also be used to connect a USB Hub* compatible** device</p>
3	BNC AUX/VOUT socket: <ol style="list-style-type: none"> Multi-screen main monitor output Spot monitor output
4	Audio input RCA sockets: these are used to connect the audio source (e.g. 1090/190 microphone)
5	RCA AOUT socket: audio output to be connected to monitors with audio input (e.g. 1090/435, 1092/415, 1092/417, 1092/419).
6	RJ45 network socket: for connecting to the network via UTP cat.5 wire.
7	Extractable terminal board: for alarm inputs/outputs on all models, including RS-485 connections.
8	Power socket: use the adapter provided to power the device.
9	Power socket: use the wire provided to power the device.
10	Ground terminal/wire connector

* A USB Hub is a sort of USB port extension. The DVR is provided with one only USB port. If you want to connect several devices (hard disk, burner, etc.), you will need to use a device called 'Hub'. This device may be plugged directly into the DVR USB port.

** Recommended model: HUB USB 2.0 ultra compact 4 port, Trust 14591.

2.3 IR REMOTE CONTROL



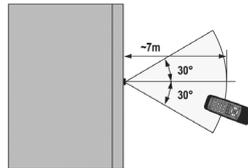
Figure 4: IR remote control

ID	BUTTON	DESCRIPTION
1	POWER	Off button.
2	DEV	Remote control enabling button.
3	0	Numeric function 0 in input mode. In "Preview" → "Layout" menu hides all LIVE video signals
	1	Numeric function 1 in input mode - input selection 1.
	2	Numeric function 2/ABC in input mode (in rapid sequence) - input selection 2.
	3	Numeric function 3/DEF in input mode (in rapid sequence) - input selection 3.
	4	Numeric function 4/GHI in input mode (in rapid sequence) - input selection 4.
	5	Numeric function 5/JKL in input mode (in rapid sequence) - input selection 5.
	6	Numeric function 6/MNO in input mode (in rapid sequence) - input selection 6.
	7	Numeric function 7/PQRS in input mode (in rapid sequence) - input selection 7.
	8	Numeric function 8/TUV in input mode (in rapid sequence) - input selection 8.
	9	Numeric function 9/WXYZ in input mode (in rapid sequence) - input selection 9.
4	EDIT	Confirmation button. Enables/disables options. In playback mode, selects recordings.
5	A	In LIVE mode, shows or hides the camera state bar. In character entry mode, selects character type to be entered.
6	REC	Accesses manual recording mode. In PTZ mode, invokes a previously saved presetting.
7	PLAY	Accesses playback mode. Audio is cut off in playback mode.
8	INFO	Not enabled.
9	VOIP/MON	Not enabled.

10	MENU	This is used to access the configuration menu. To enables/disenable button buzzer (press for 5 seconds). Hides/shows the control interface bar in playback mode.
11	PREV	In LIVE mode, shows camera monitor in groups of 4-9-12-16. Allows to quit configuration menu and go back to LIVE mode. In two-channel playback mode, allows to display the main channel and the secondary channel.
12	▲	Selection button. Plays images at different speeds faster than normal playback speed (1x); press several times to change speed. In PTZ mode, moves camera position and changes displacement speed.
	▼	Selection button. Plays images at different speeds slower than normal playback speed (1x); press several times to change speed. In PTZ mode, moves camera position and changes displacement speed.
	▶	Selection button. Plays images forwards in defined steps (30 seconds). In PTZ mode, moves camera position and changes displacement speed.
	◀	Selection button. Plays images backwards in defined steps (30 seconds). In PTZ mode, moves camera position and changes displacement speed.
	ENTER / ▶ 	Confirmation button. Enables/disenables options. In playback mode, starts, stops and pauses and allows frame-by-frame feed.
13	PTZ	Accesses PTZ control mode.
14	ESC	Quits the configuration menu and goes back by one step.
15	Not enabled buttons	
16	F1	Not enabled button
17	IRIS/FOCUS/ZOOM	In PTZ mode, adjust iris opening, focus and zoom of the connected speed dome.
18	F2	Not enabled button

2.3.1 BATTERIES

The remote control is powered by two size AAA batteries (included). To install, open the battery compartment cover and insert in the compartment respecting the polarity shown. Close the cover after inserting the batteries. Point the remote control towards the DVR receiver to use it.



Dispose of used batteries properly. Do not litter.

2.4 MOUSE

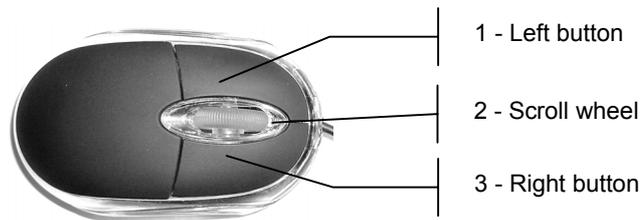


Figure 5: mouse and control buttons (picture as indication only)

2.4.1 MOUSE FUNCTIONS

ID.	BUTTON	OPERATION	DESCRIPTION
1	Left button	Click	<ul style="list-style-type: none"> In INPUT mode, confirms. In INPUT mode, shows/hides a 'virtual keyboard' for entering values. In CONFIGURAZION AREA mode, selects/deselects the box.
		Double-click	<ul style="list-style-type: none"> Displays the selected camera feed on full screen or in groups of four on the monitor (function similar to that of the PREV button).
2	Scroll wheel	Click	<ul style="list-style-type: none"> In CONFIGURAZION AREA mode, confirms the operation and goes back to the previous menu.
		Turn forwards	<ul style="list-style-type: none"> In PTZ mode, displays the previous channel. In CONFIGURATION MENU, selects the required value in the selected field. In INPUT mode, moves the cursor to the next character. In CONFIGURATION AREA mode, deletes the set area.
		Turn backwards	<ul style="list-style-type: none"> In PTZ mode, displays the next channel. In CONFIGURATION MENU, selects the required value/item in the selected field. In INPUT mode, moves the cursor to the previous character. In CONFIGURATION AREA mode, selects the set area.
3	Right button	Click	<ul style="list-style-type: none"> Exits the configuration menu and goes back by one step (function similar to that of the ESC button). In LIVE mode, displays OSD mini menu. In INPUT mode, deletes the entered values (function similar to that of the EDIT button). In CONFIGURAZION AREA mode, confirms the set area, quits without saving the set area and goes back to the previous menu, closes the menu bar and goes back to the selected area or selects all frames at the same time.

2.4.2 OSD MINI MENU DISPLAY USING THE MOUSE

Click the right mouse button in LIVE mode to display an OSD mini menu and corresponding submenus.



Figure 6: mouse-activated OSD mini menu

ITEM	DESCRIPTION
Main menu	Opens the main menu.
Single	Shows the selected channel full screen.
Mult preview	Shows the four available channels on the screen.
Next preview	Shows the next channel after the current one (in FULL SCREEN mode only).
PTZ control	Selects PTZ control for the current channel.
Play	Opens the playback screen.
Manual record	Opens the manual recording screen.
Close status	Closes the channel state bar (recording/alarms).
Aux chan.	Selects the four available channels for displaying the SPOT monitor.

2.4.2.1 PTZ menu

Select PTZ in the OSD mini menu: the speed dome control interface will appear in the top right of the monitor. Click the right mouse button in this mode to display another OSD mini menu.



Figure 7: PTZ menu

ITEM	DESCRIPTION
Channel	Selects the channel to control using the PTZ function.
Preset	Invokes the previously saved dome presetting.
Exit	Leaves the PTZ menu.

3 CONNECTIONS

3.1 ALARM OUTPUTS

All devices are provided with the following four alarm outputs and extractable terminal board.

3.1.1 TERMINAL BOARD

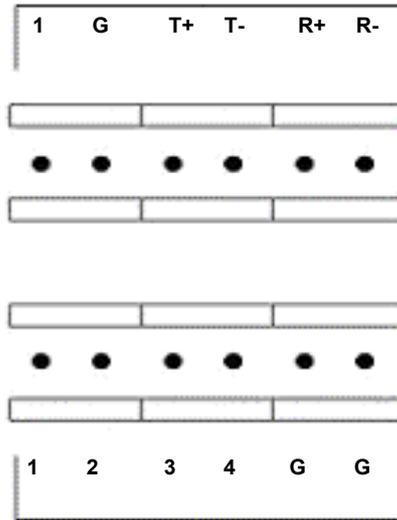


Figure 8: terminal board

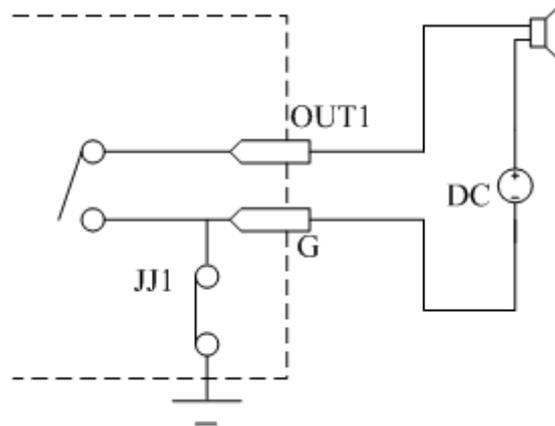
PIN	DESCRIPTION
1	Output 1
G	GND
2	Output 2
G	GND
3	Output 3
G	GND
4	Output 4
G	GND

3.1.2 EXAMPLE OF ALARM OUTPUT USE

Two examples of alarm output use are shown below:

- Connection to alarm siren
- Connection to flasher

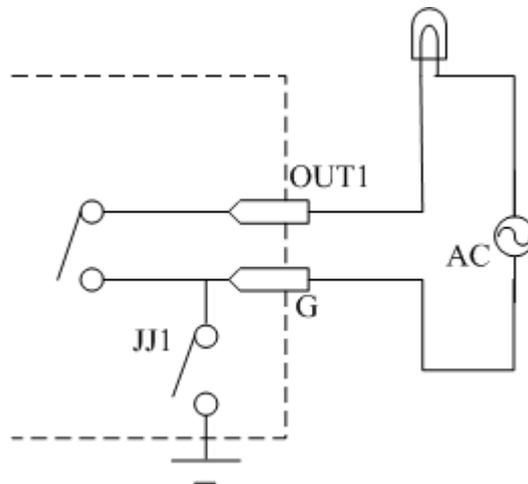
CONNECTION TO ALARM SIREN



IMPORTANT NOTE

In the case of external direct current use (DC), jumper “**JJ1**” related to the alarm output used (“**JJ1**” in this example for respective output 1) on the motherboard inside the device may be either open or closed (the jumper is closed by default).

CONNECTION TO FLASHER



IMPORTANT NOTE

In the case of external alternating current use (AC), jumper “**JJ1**” related to the alarm output used (“**JJ1**” in this example for respective output 1) on the motherboard inside the device **must be open** (the jumper is closed by default).

4 GENERAL SETTINGS

4.1 SWITCH-ON

Plug the power connector into the specific socket on the back of the unit and switch  on the back of the unit to position 1.

The green power warning light on the front panel will light up. The welcome page will appear on the monitor.



Figure 9: welcome page

The device initialisation processes will appear at this point.

IMPORTANT NOTE

The device will output an acoustic signal if the hard disk is either not installed or not found. The alarm option can be deactivated in the “*Exceptions*” menu.

4.2 SWITCH-OFF

The device can be switched off in two ways.

- direct switch-off
- switch-off from main menu

Make sure that no recording or playback is in progress before switching the unit off to prevent damage to the hard disk.

4.2.1 DIRECT SWITCH-OFF

Press the power button on the back..

4.2.2 SWITCH-OFF FROM MAIN MENU

Press “*MENU*” to access the main menu. Select “*UTILITIES*” and press “*ENTER*”. Select “*POWER OFF: START*” and press “*ENTER*”. Press again “*ENTER*” to confirm.

4.3 REMOTE CONTROL ENABLE

The remote control must be enabled to control the device.

Enabling procedure

- Press “*DEV*” on the remote control.
- Enter the default address for controlling the DVR using the remote control: press “*01*” on the remote control.
- Press “*ENTER*” on the remote control.

IMPORTANT NOTE

- Define a different address for each device if several DVRs are installed, otherwise the remote control will control all DVRs with the same address at the same time.
- Press “*DEV*” on the remote control for deactivating the remote control: the green “*STATUS*” LED on the DVR will go out.
- You will need to repeat the remote control “enabling/addressing” operation whenever the device is rebooted.

4.4 MESSAGES ON THE MONITOR

The edges of the picture may not be completely visible on some “CRT” monitor models.

4.5 LIVE MODE

The DVR shows the connected video channels after it is switched on: this is called "LIVE" mode. In this mode, the DVR will not record and will not play recorded sequences back. The date, time, name assigned to the camera and the camera status bar appear "LIVE" mode. The state icons of all cameras are shown on the status bar. The status icons show the recording status and alarm status of each camera. Two statuses are shown cyclically. Press "A" on the front panel of the device to view or hide the camera status bar.

RECORDING STATUSES

The recording statuses of the camera are shown in the following table.

ICON	COLOUR	STATUS DESCRIPTION
	White	No video signal
	Yellow	Video signal present
	Pink	Manual recording
	Green	Real time recording
	Blue	Recording following motion detection
	Red	Recording following external alarm

ALARM STATUS

The alarm statuses of the camera are shown in the following table.

ICON	COLOUR	STATUS DESCRIPTION
	White	No video signal
	Yellow	Video tampering alarm
	Pink	Motion detection or external alarm
	Green	No alarm
	Blue	Motion detection alarm
	Red	External alarm

4.6 PROGRAMMING MENU

Menu structures, settings and parameters are shown in the following table.

MENU	SETTING	PARAMETER MENU	MENU	SETTING	PARAMETER MENU
Display	Basic	<ul style="list-style-type: none"> - Language - Device ID - Require password - Screen saver - Video standard - Enable scaler - Brightness - Menu trasparency - Date / Time - Preview 	Camera	Basic	<ul style="list-style-type: none"> - Select camera - Name / position - Color - Date OSD - Motion det. level - Copy to camera
	Advanced	/		Advanced	<ul style="list-style-type: none"> • Privacy mask • View tampering • Signal loss
Recording	Basic	<ul style="list-style-type: none"> - IF ID full - Select camera - Stream type - Resolution - Frame rate - Bit rate - Enable rec - Pre Rec - Post Rec - Copy to camera 	Network	Basic	<ul style="list-style-type: none"> - IP - Port - Mask - Gateway - Http port - PPPoE
	Advanced	/		Advanced	<ul style="list-style-type: none"> • Mac • NIC type • IP server • Mcast IP • Remote host IP • Remote host port
Alarms	Basic	<ul style="list-style-type: none"> - Select alarm in - Alarm type - Alarm handling - Copy to alarm - Alarm out - time - Alarm out time - Copy to alarm out - Exceptions 	PTZ	Basic	<ul style="list-style-type: none"> - Select camera - Baud rate - Data bits - Stop bits - Parity - Flow ctrl - Protocol - PTZ addr. - Preset - Sequence No - Cruise - Copy to camera
	Advanced	/		Advanced	/
User	Basic	<ul style="list-style-type: none"> - Add - Del - Password - Verify - Default privileges - Set privileges 	Utilities	Basic	<ul style="list-style-type: none"> - Default parameters - Firmware - Hard disk - Alarm output - Reboot - Power off - View log - System information
	Advanced	/		Advanced	/

5 DVR CONFIGURATION

Press "**MENU**" on the front panel of the DVR to access the configuration menu.
A password must be entered by default.
The following login window shown in the following figure will appear.

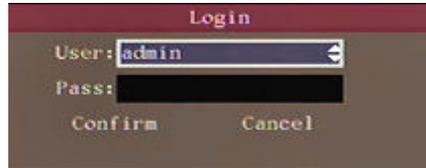


Figure 10: login page

The box contains a list of the default users. The features of the default administrator are:

- **User** → **admin**
- **Password** → **12345**

The "admin" user name cannot be edited. The password can be edited.

Press "◀▶" to point to the cursor to "**Password**", and then press "SHIFT" followed by the number keys on the front panel and enter the default password. Now, press "**ENTER**" twice to confirm and access the menu.
A sequence of three beeps lasting for approximately 3 seconds will be heard if the entered password is not correct. In this case, press "**MENU**" and enter the password again.

🔔IMPORTANT NOTE

- **THE DEFAULT PASSWORD IS "12345".**
- **It is advisable to change the default password to prevent intrusions.**
- **To enter/edit the password, remember to press "SHIFT" (make sure that the STATUS LED lights up) followed by the number keys. At the end of the operation, press "SHIFT" to go back to default functions. The STATUS LED will go out.**
- **Do not lose or forget the programmed password.**
- **Take note of the new password and keep it in a safe place.**
- **It will not be possible to access the device in local mode (i.e. using the front panel) if an alphanumeric password is chosen (using the dedicated software).**

The following window will appear:

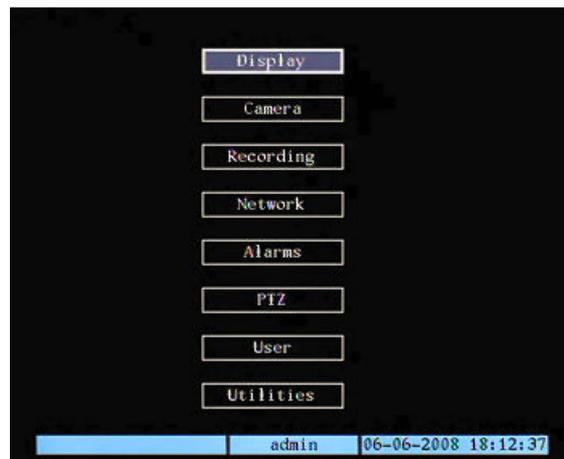


Figure 11: main menu

This page is characterised by a small rectangular window called "Active Frame". Use the arrow buttons "◀▶▲▼" to move the frame from one icon to another.
Position the "Active Frame" on an icon and press "**ENTER**" to access the secondary menu.

5.1 DISPLAY MENU

➤ Description

Access this menu to screen settings.

Position the "Active Frame" on the "**DISPLAY**" icon and press "**ENTER**".

The following window will appear:



Figure 12: display menu

This page contains the basic menu settings.

The selected item is highlighted.

Press arrows "◀▶▲▼" to point the cursor to the various menu items.

Point the cursor to the required item and press "**ENTER**" to edit it. Use buttons "▲▼" to change the available options for the selected menu item.

Select "**CONFIRM**" and press "**ENTER**" to make the changes effective.

Select "**CANCEL**" and press "**ENTER**" to cancel the changes.

Press "**ESC**" to go back by one step.

Press "**ESC**" several times until the configuration window closes to quit the configuration menu.

5.1.1 DISPLAY MENU BASIC SETTINGS

5.1.1.1 Language

Use "▲▼" to select the language in this menu.

5.1.1.2 Device ID

This option can be used to assign an address to the DVR for controlling it with a remote control.

Define a different address for each device if several DVRs are installed, otherwise the remote control will control all DVRs with the same address at the same time.

The default address is "**01**".

Use keys 0÷9 on the front panel to edit the device ID address.

The address must be from 1÷255.

5.1.1.3 Require password

This option can be used to enable or disable password request for the following functions:

- **Menu**
This function enables/disables password request when the configuration menu is accessed.
- **PLAYBACK**
This function enables/disables password request when playback is started/stopped.
- **RECORDING**
This function enables/disables password request when recording is started/stopped.
- **PTZ**
This function enables/disables password request when the PTZ menu is accessed.

Press "**ENTER**" or "**EDIT**" to enable or disable the password.

Symbol "✓" indicates that a password is required; symbol "✗" indicates that a password is not required. The password is enabled by default.

IMPORTANT NOTE

- THE DEFAULT PASSWORD IS “12345”.
- It is advisable to change the default password to prevent intrusions.
- To enter/edit the password, remember to press “SHIFT” (make sure that the STATUS LED lights up) followed by the number keys. At the end of the operation, press “SHIFT” to go back to default functions. The STATUS LED will go out.
- Do not lose or forget the programmed password.
- Take note of the new password and keep it in a safe place.
- It will not be possible to access the device in local mode (i.e. using the front panel) if an alphanumeric password is chosen (using the dedicated software).

5.1.1.4 Screen saver

This option can be used to set the OSD (On Screen Display) display time.

Use “▲▼” to select.

Possible selections: “1min”, “2min”, “5min”, “10 min”, “20 min”, “30 min” and “never” (OSD is always shown – press “ESC” to quit the menu).

5.1.1.5 Video standard

This option can be used to select the video format. Use “▲▼” to select. Possible selections are “NTSC” and “PAL”.

5.1.1.6 Enable scaler

Function currently not available.

5.1.1.7 Brightness

This option can be used to vary the OSD menu brightness. Use “▲▼” to select.

5.1.1.8 Menu transparency

This option can be used to vary the OSD menu transparency level.

Use “▲▼” to select. Possible selections: “1:1”, “3:1”, “1:3” and “No Trans”.

3:1 indicates that the OSD prevails (by approximately three times) over the previous display; 1:3 indicates the opposite.

5.1.1.9 Date / time

This option is used to set the current date in day/month/year format and to set the current time in hour/minute/second format.

Press “◀▶” to select the day, month, year and hours, minutes, seconds.

Use the number keys 0÷9 on the front panel to enter the date.

This option is used to automatically set time changes (to and from summer saving time).

When the “ORA LEGALE” is on, the clock will be automatically set back by one hour when winter time comes into effect, while it will be automatically set forward by one hour when summer saving time comes into effect.

Press “ENTER” to access the submenu. Symbol “✓” in the check box indicates that the setting is enabled; symbol “✗” indicates that it is not.

Press “◀▶” to go from one submenu option to another and press “▲▼” to set. Select “CONFIRM” and press “ENTER” to make the changes effective.

After confirming the setting, in live and play modes, letter “E” or “I” will appear by the side of the date/time indicating summer (when summer saving time is applied) or winter (when it is not) as shown below:



Figure 13: date/time menu

5.1.1.10 Preview

This menu is used to set camera display mode after the device is switched on, i.e. in *LIVE* mode (display, switching time, audio presence and channel arrangement).

Position the "Active Frame" on the "Preview" icon and press "ENTER"



Figure 14: preview menu

The selected item is highlighted.

Press arrows "◀▶" "▲▼" to point the cursor to the various menu items.

Select "CONFIRM" and press "ENTER" to make the changes effective.

Select "CANCEL" and press "ENTER" to cancel the changes.

Press "ESC" to go back by one step.

Press "ESC" several times until the configuration window closes to quit the configuration menu.

5.1.1.10.1 Preview mode

This menu is used to set the required *LIVE* channel display mode.

Use "▲▼" to select.

The following display options can be selected on Urmet DVR DVS 1093/061S:

- "1 channel", "4 channels"

5.1.1.10.2 Select out

The "Main chan" or "Spot1" video outputs may be selected.

5.1.1.10.3 Never

This option can be used to select the sequence pause time.

Possible options are: "5s", "10s", "20s", "30s", "60s", "120s", "300s" and "Never".

Use "▲▼" to select.

Select "Never" for no automatic switching.

The set switching time will be applied to all display modes envisaging a sequence.

Example:

If a 1 channel display is set with a switching time of 20 seconds, the DVR will display all the available channels cyclically in one channel at a time, with a waiting time equal to the set value.

5.1.1.10.4 Audio preview

This option is used to enable an audio function.

To enable, select the respective check box using "◀▶" and press "ENTER" or "EDIT".

Symbol "✓" indicates that the selected option is enabled; symbol "✗" indicates that it is not.

5.1.1.10.5 Alarm aux out

The "Main chan" or "Spot1" video outputs may be selected for indicating Motion Detection, Alarms, No Video Signal, Video Tampering.

5.1.1.10.6 Display delay

This option is used to set the permanence or alternating time on the monitor of two or more alarms/motion detections tripped at the same time.

Possible options are: "1s", "2s", "3s", "4s", "5s", "6s", "7s", "8s", "9s" and "10s".

Use "▲▼" to select.

5.1.1.10.7 Layout

This option is used to select the camera arrangement and the respective order of appearance (full screen only) according to the chosen display mode (1-4 channels).

A box (square or rectangular) is used for the arrangement consisting of a number of cells equal to the chosen display mode.

Use “◀▶” to move the “active frame” onto the required cell and press a number key to set the number of the camera to be displayed in the certain position. Press “SHIFT → 0” or “00” on this cell to hide all *LIVE* video signals (a “X” will mark this cell).

The preview bar displays the entire order of appearance of the cameras.

Procedure for displaying 4 cameras in a certain order with 5 second pauses on full screen

1. Set “*anteprima*” to 1 channel.
2. Set “*tempo di commutazione*” to 5 s.
3. Shift the “active frame” to the required cells and press the camera number.

Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

5.2 CAMERA MENU

➤ Description

This menu is used to edit the display and configuration settings of each video signal.

Position the “Active Frame” on the “**CAMERA**” icon and press “**ENTER**”.

The following window will appear.

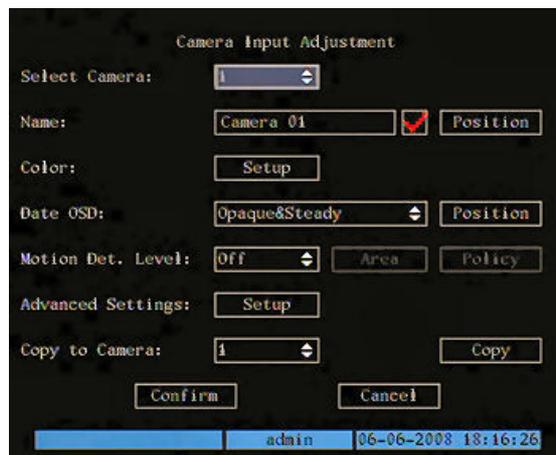


Figure 15: cameras menu (basic settings)

This page contains the basic menu settings.

Select “**ADVANCED SETTINGS**” and press “**ENTER**” to access advanced settings.

The selected item is highlighted.

Press arrows “◀▶▲▼” to point the cursor to the various menu items.

Point the cursor to the required item and press “**ENTER**” to edit it. Use buttons “▲▼” to change the available options for the selected menu item.

Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

Select “**CANCEL**” and press “**ENTER**” to cancel the changes.

Press “**ESC**” to go back by one step.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu.

5.2.1 CAMERAS MENU BASIC SETTINGS

5.2.1.1 Select camera

This menu is used to select the camera (video input) were to edit the display and configuration settings. Use “▲▼” to select.

5.2.1.2 Name

This option can be used to assign a name to the DVR device. The unit name is a 32 character combination.

Press “**EDIT**” to access edit mode. The character input bar will appear in the lower part of the screen.

Press “**ENTER**” to quit edit mode.

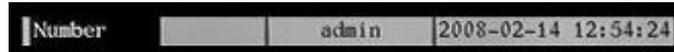
The following character types can be entered:

- numeric
- upper case alphabetic
- lower case alphabetic
- symbolic

Press “**A**” repeatedly on the front panel of the device to edit the character type to be entered as shown below.

NUMBER TYPE CHARACTER

The numeric character input bar is:

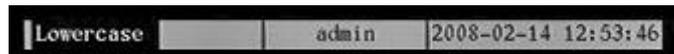
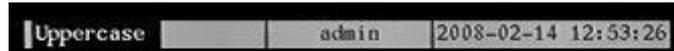


How to enter a character

Press the “SHIFT” button to enable numeric functions.
 Use the number keys 0÷9 on the front panel to enter a character.
 Use the arrow buttons “◀▶” to move the cursor.
 Press “**EDIT**” to delete a character.

ALPHABETIC TYPE CHARACTER

The alphabetic character input bars are:



Correspondence between number keys and the respective alphabetic characters which can be entered is shown on the front panel of the device and summarised in the table below.

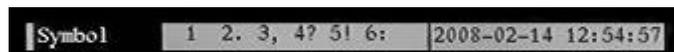
NUMBER KEY	ALPHABETIC CHARACTERS
2	ABC - abc
3	DEF - def
4	GHI - ghi
5	JKL - jkl
6	MNO - mno
7	PQRS - pqrs
8	TUV - tuv
9	WXYZ - wxyz

How to enter a character

Use keys 2÷9 on the front panel to enter alphabetic characters (upper and lower case).
 Press key 2 once to enter “A”.
 Press key 2 twice in rapid sequence to enter “B”.
 Press key 2 three times in rapid sequence to enter “C”.
 Use the arrow buttons “◀▶” to move the cursor.
 Press “**EDIT**” to delete a character.

SYMBOLIC TYPE CHARACTER

The symbolic character input bars are:



How to enter a character

24 symbols on 4 pages in groups of 6 can be selected. Press “0” to scroll the pages.
 Use the arrow buttons “◀▶▲▼” to move the cursor. Press “**EDIT**” to delete a character.

5.2.1.3 Color

This section is used to adjust the display settings: brightness, contrast, hue and saturation.

5.2.1.3.1 Brightness

This option can be used to vary brightness according to ambient light.
 Press “▲” to increase or “▼” to decrease the parameter setting.
 Press “**ENTER**” to confirm the changes made to the setting interface and go back to the previous menu.
 Press “**ESC**” to quit the setting interface without saving changes.

5.2.1.3.2 Contrast

This option is used to change the contrast between the black and white areas of the image. Clear resolution of the white, black and grey scales can be obtained by correctly setting contrast.

Press “▲” to increase or “▼” to decrease the parameter setting.

Press “**ENTER**” to confirm the changes made to the setting interface and go back to the previous menu.

Press “**ESC**” to quit the setting interface without saving changes.

5.2.1.3.3 Hue

This option can be used to set the colour intensity.

Press “▲” to increase or “▼” to decrease the parameter setting.

Press “**ENTER**” to confirm the changes made to the setting interface and go back to the previous menu.

Press “**ESC**” to quit the setting interface without saving changes.

5.2.1.3.4 Saturation

This option can be used to vary the colour saturation level.

Press “▲” to increase or “▼” to decrease the parameter setting.

Press “**ENTER**” to confirm the changes made to the setting interface and go back to the previous menu.

Press “**ESC**” to quit the setting interface without saving changes.

5.2.1.4 OSD (date - day - time)

This option can be used to set the OSD type to be displayed.

Use “▲▼” to select. Possible selections: “**transparent & steady**”, “**transparent & flashing**”, “**opaque & steady**”, “**opaque & flashing**” and “**no display**”.

Select “**No display**” to hide the OSD menu (date, day and time).

Select one of the other options to set the OSD position.

Select “**POSITION**” and press “**ENTER**” to access the OSD position setting interface.

5.2.1.5 Motion det.level

This menu option is used to enable the motion detector feature on the selected channel and to define its level of sensitivity.

The following sensitivity settings can be selected for motion detection alarm detection: “**0 Min**”, “**1**”, “**2**”, “**3**”, “**4**” and “**5 Max**”. High values should be used for greater safety, also if more alarms will be tripped if the sensitivity is higher (alarms will be tripped also following minor movements). Decrease the motion detector sensitivity to reduce the number of false alarms.

Select “**AREA**” and press “**ENTER**” to access the motion detection area setting interface.

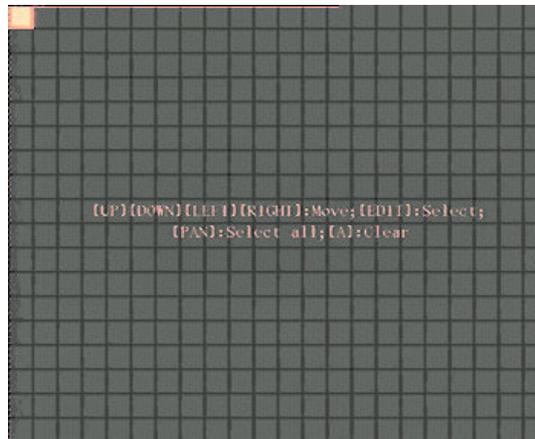


Figure 16: motion detection zone setting interface

Use “▲▼◀▶” to position the yellow cursor in the required zone and press “**EDIT**” to go to selection mode: the cursor will turn red.

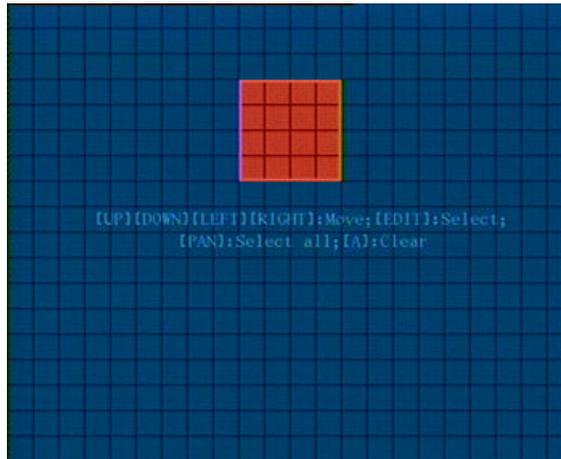


Figure 17: creating a motion detection zone

Press “▲▼◀▶” to create and define the required motion detection zone. Use “A” to cancel the operation.
 Press “PTZ” to select all boxes in one step.
 Press “EDIT” to confirm detection zone and create others. Press “ENTER” to confirm and quit selection mode.

Remarks on motion detection zones

- It is advisable to define motion detection zone which are slightly larger than the area where you want to detect motion.
- Motion detection zones can only be rectangular but several rectangles can be placed to mask the area as required.

Select “POLICY” and press “ENTER” to access the video tampering alarm notification menu shown below.



Figure 18: motion alarm notification menu

The selected item is highlighted.
 Press arrows “◀▶” to point the cursor to the various menu items.
 Select “CONFIRM” and press “ENTER” to make the changes effective.
 Select “CANCEL” and press “ENTER” to cancel the changes.
 Press “ESC” to go back by one step.
 Press “ESC” several times until the configuration window closes to quit the configuration menu.

5.2.1.5.1 Alarm association

This option is used to select which video channels to associate to the respective motion alarm. To associate, select the respective check box using “◀▶” and press “ENTER” or “EDIT”. Symbol “✓” indicates that the association option is enabled; symbol “x” indicates that it is not. Motion detection alarm status is shown with a blue icon if the “Full Screen” option is checked.

5.2.1.5.2 Motion alarm handle

This option can be used to set up to 4 alarm indicating periods for each day of the week with respective event start and end times.
 Use “▲▼” to select the day.
 Use “◀▶” to point the cursor to the hours/minutes of the period to be set.

Press “◀▶” to select hours/minutes. Specific messages will appear if times overlap. Select “**Copy to**” to select the day of the week where to copy notification programming. Select “**All**” to copy the settings on all days of the week. Select “**Copy**” and press “**ENTER**” to copy the settings. Confirmation of the operation will be required: press “**ENTER**” again to confirm.

5.2.1.5.3 Handle method

This option is used to select the notification type to be used in the event of an alarm. Possible options are:

- On Screen warning
- Audible warning (Function currently not available)
- Uplod to center
- Trigger alarm out

On Screen warning

The video channel concerned by the alarm is shown on full screen in this situation.

Audible warning

Function currently not available.

Uplod to center

The alarm notification is sent to a server (PC) whose IP address is set in “**NETWORK**” → “**Remote host IP**” menu.

Trigger alarm out

Notification is sent to one or more outputs, according to the selection, such as for example sirens, flashers, etc.

To set, select the respective check box using “◀▶” and press “**ENTER**” or “**EDIT**”.

Symbol “✓” indicates that the selected option is enabled; symbol “✗” indicates that it is not.

5.2.1.6 Copy to camera

Select “**Copy to camera**” to select on which cameras to copy the following settings:

- Privacy mask – policy
- View tampering - policy
- Signal loss - policy

Select “**Copy to**” to copy the settings on all cameras. Select “**Copy**” and press “**ENTER**” to copy the settings. Confirmation of the operation will be required: press “**ENTER**” again to confirm.

5.2.2 CAMERA MENU ADVANCED SETTINGS

Select “**ADVANCED SETTING**” and press “**ENTER**” to access advanced settings.

Press arrows “◀▶▲▼” to point the cursor to the various menu items.

Point the cursor to the required item and press “**ENTER**” to edit it. Use buttons “▲▼” to change the available options for the selected menu item.

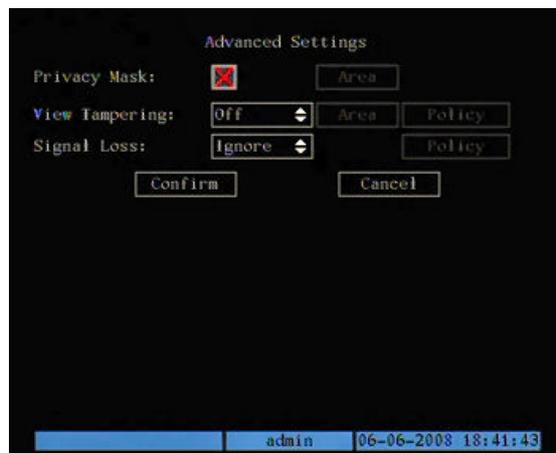


Figure 19: camera menu (advanced settings)

5.2.2.1 Privacy mask

This option can be used to defined up to four privacy zones for each camera which mask certain areas of the scene seen by the operator. A privacy zone will appear as a grey or black rectangle on the monitor. Select **"AREA"** and press **"ENTER"** to access the privacy zone setting interface.

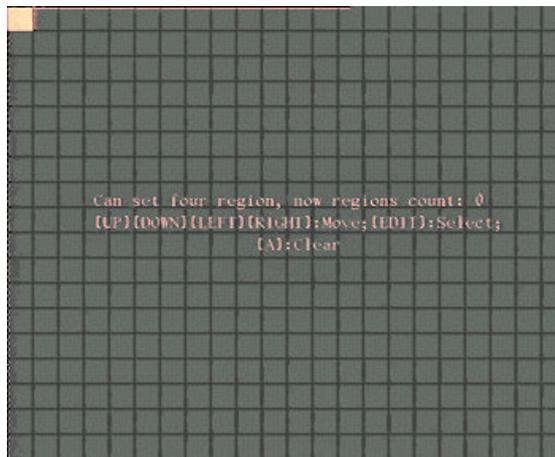


Figure 20: privacy zone setting interface

Use **"▲▼◀▶"** to position the yellow cursor in the required zone and press **"EDIT"** to go to selection mode: the cursor will turn red.

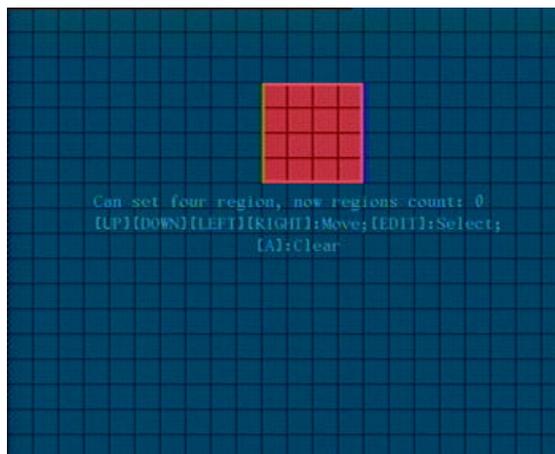


Figure 21: creating a privacy zone

Press **"▲▼◀▶"** to create and define the required privacy zone. Press **"EDIT"** to confirm the privacy zone and quit selection mode. At this point, point the cursor to other zones of the screen and create new privacy zones.

Use **"A"** to cancel the operation.

Press **"ESC"** to quit the privacy zone interface.

Remarks on privacy zone

- It is advisable to make the privacy zones slightly larger than the areas to be concealed.
- Privacy zones can only be rectangular but several rectangles can be placed to mask the area as required.

5.2.2.2 View tampering

This option can be used to define whether to activate video blanketing alarm or not and to define a video tampering blackout zone for each camera.

The following sensitivity settings can be selected for video tampering blackout alarm detection: “low”, “normal”, “high”. A high setting is recommended for greater safety.

IMPORTANT NOTE

Although three levels of sensitivity may be selected, when cameras with infrared LED are used, the alarm detection caused by video tampering blackout may be partially effected by the ‘blinding’ effect that the LEDs cause to the camera when the camera is covered by a very close object.

Select “AREA” and press “ENTER” to access the blanketing zone setting interface where a video tampering blackout zone can be defined.



Figure 22: video tampering blackout zone setting interface

Use “▲▼◀▶” to position the yellow cursor in the required zone and press “EDIT” to go to selection mode: the cursor will turn red.

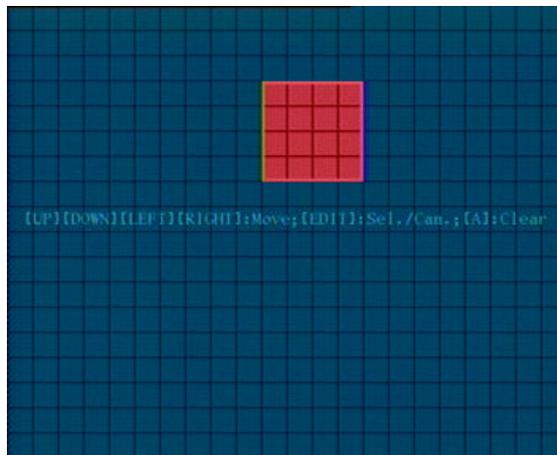


Figure 23: creating a video tampering blackout zone

Press “▲▼◀▶” to create and define the required loss of video zone.

Use “A” or “EDIT” to cancel the operation.

Press “ENTER” to confirm the blanketing zone and quit selection mode.

Select **"POLICY"** and press **"ENTER"** to access the tampering alarm notification menu shown below.



Figure 24: video tampering alarm notification menu

The selected item is highlighted.
 Press arrows "**◀▶**" to point the cursor to the various menu items.
 Select **"CONFIRM"** and press **"ENTER"** to make the changes effective.
 Select **"CANCEL"** and press **"ENTER"** to cancel the changes.
 Press **"ESC"** to go back by one step.
 Press **"ESC"** several times until the configuration window closes to quit the configuration menu.

5.2.2.2.1 Alarm in schedule

This option can be used to set up to 4 alarm indicating periods for each day of the week with respective event start and end times.

Use "**▲▼**" to select the day.

Use "**◀▶**" to point the cursor to the hours/minutes of the period to be set.

Press "**▲▼**" to select hours/minutes. Specific messages will appear if times overlap.

Select **"Copy to"** to select the day of the week where to copy notification programming. Select **"All"** to copy the settings on all days of the week. Select **"Copy"** and press **"ENTER"** to copy the settings. Confirmation of the operation will be required: press **"ENTER"** again to confirm.

5.2.2.2.2 Handle method

This option is used to select the notification type to be used in the event of an alarm. Possible options are:

- On Screen warning
- Audible warning (Function currently not available)
- Uplod to center
- Trigger alarm out

On Screen warning

The video channel concerned by the alarm is shown on full screen in this situation.

Audible warning

Function currently not available.

Uplod to center

The alarm notification is sent to a server (PC) whose IP address is set in **"NETWORK"** → **"Remote host IP"** menu.

Trigger alarm out

Notification is sent to one or more outputs, according to the selection, such as for example sirens, flashers, etc.

To set, select the respective check box using "**◀▶**" and press **"ENTER"** or **"EDIT"**.

Symbol "**✓**" indicates that the selected option is enabled; symbol "**✗**" indicates that it is not.

5.2.2.3 Video signal loss

This option can be used to define whether to activate or ignore alarm detection typology following the loss of the video signal.

Activate detection to access the “**POLICY**” option. Select “**POLICY**” and press “**ENTER**” to access the blanketing alarm notification menu shown below.



Figure 25: no video signal alarm notification menu

The selected item is highlighted.

Press arrows “◀▶” to point the cursor to the various menu items.

Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

Select “**CANCEL**” and press “**ENTER**” to cancel the changes.

Press “**ESC**” to go back by one step.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu.

5.2.2.3.1 Alarm in schedule

This option can be used to set up to 4 alarm indicating periods for each day of the week with respective event start and end times.

Use “▲▼” to select the day.

Use “◀▶” to point the cursor to the hours/minutes of the period to be set.

Press “◀▶” to select hours/minutes. Specific messages will appear if times overlap.

Select “**Copy to**” to select the day of the week where to copy notification programming. Select “**All**” to copy the settings on all days of the week. Select “**Copy**” and press “**ENTER**” to copy the settings. Confirmation of the operation will be required: press “**ENTER**” again to confirm.

5.2.2.3.2 Handle method

This option is used to select the notification type to be used in the event of an alarm. Possible options are:

- On Screen warning
- Audible warning (Function currently not available)
- Uplod to center
- Trigger alarm out

On Screen warning

The video channel concerned by the alarm is shown on full screen in this situation.

Audible warning

Function currently not available.

Uplod to center

The alarm notification is sent to a server (PC) whose IP address is set in “**NETWORK**” → “**Remote host IP**” menu.

Trigger alarm out

Notification is sent to one or more outputs, according to the selection, such as for example sirens, flashers, etc.

To set, select the respective check box using “◀▶” and press “**ENTER**” or “**EDIT**”.

Symbol “✓” indicates that the selected option is enabled; symbol “x” indicates that it is not.

5.3 RECORDING MENU

➤ Description

This menu is used to edit the recording and configuration settings of each video signal. Position the “Active Frame” on the “**RECORDING**” icon and press “**ENTER**”. The following window will appear:



Figure 26: recording menu

The selected item is highlighted.

Press arrows “◀▶▲▼” to point the cursor to the various menu items.

Point the cursor to the required item and press “**ENTER**” to edit it. Use buttons “▲▼” to change the available options for the selected menu item.

Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

Select “**CANCEL**” and press “**ENTER**” to cancel the changes.

Press “**ESC**” to go back by one step.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu.

🔔 IMPORTANT NOTE

Reboot the device to make the variations of some settings effective.

5.3.1 RECORDING MENU BASIC SETTINGS

5.3.1.1 Hard disk full

This option can be selected to define the recording method to be used when hard disk capacity is exceeded.

Possible options are: “**overwrite**” and “**stop recording**”.

In overwrite mode (“**overwrite**” option), the recording writes over previously stored data.

If “**stop recording**” is selected, the recording will stop when the maximum capacity of the hard disk is reached.

If several hard disks are present in the DVR, the system will start writing on the SLAVE (secondary) disks when the MASTER (main) disk is full. When the SLAVE disk is full, the system will start writing over the MASTER disk (if “**overwrite**” option is checked) and then back on the SLAVE disks.

5.3.1.2 Select camera

This option is used to select the camera on which to edit the recording and configuration settings. Use “▲▼” to select the camera. The respective camera will appear in the “**Camera name**” field (assigned in the “camera” → “name” field).

5.3.1.3 Stream type

This option can be used to select whether to record only images or both images and audio.

Possible options are: “**Video**” and “**Audio&Video**”. Use “▲▼” to select the streaming type to be recorded.

🔔 IMPORTANT NOTE

➤ For DVR DVS Ref.1093/061S, the “**Video**” and “**Audio&Video**” options are available.

5.3.1.4 Resolution

This menu option is used to set the resolution type to be reached for recording on the selected camera. In general, Urmet DVR DVS devices are capable of supporting, according to the model, the following recording resolutions: “**CIF**”, and “**QCIF**”. Use “▲▼” to select the resolution type.

Correspondence between code and respective resolution in PAL format are shown in the following table.

CODE	RESOLUTION - PAL
CIF	352x288
QCIF	176x144

Table 1: correspondence between code and PAL resolution

The following resolution options can be selected on Urmet DVR DVS ref.1093/061S:

- "CIF" and "QCIF" on all channels

5.3.1.5 Frame rate

The number of frames stored for each selected camera second can be selected using this item.

Possible options are: "1", "2", "4", "6", "8", "10", "12", "15", "16", "18", "20", "22" and "25".

Use "▲▼" to select.

A high frame-rate corresponds to films played back in real time with more fluid sequences. A lower frame-rate saves time in terms of hard disk space occupation, to the detriment of recording quality (less fluid sequences). Selecting a lower frame-rate will save hard disk space.

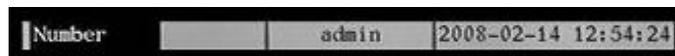
IMPORTANT NOTE

The "Bit rate" value is set automatically according to the "Frame Rate" selected by users.

5.3.1.6 Bit rate

This option is used to set the bit rate (fixed bit rate) or max bit rate (variable bit rate) to be used. Possible options are: "32 kbps", "48 kbps", "64 kbps", "80 kbps", "96 kbps", "128 kbps", "160 kbps", "192 kbps", "224 kbps", "256 kbps", "320 kbps", "384 kbps", "448 kbps", "512 kbps", "640 kbps", "768 kbps", "896 kbps", "1 Mbps", "1.25 Mbps", "1.5 Mbps", "1.75 Mbps", "2 Mbps" e "user".

Use "▲▼" to select. A numeric character input bar will appear when the "user" option is selected.



Use the number keys 0÷9 on the front panel to enter a character.

Use the arrow buttons "◀▶" to move the cursor.

Press "EDIT" to delete a character.

A numeric value from 32 to 8192 can be entered.

IMPORTANT NOTE

It is advisable to exceed 768 Kbps for Urmet DVR DVS devices.

It is strongly recommended not to modify the "Bit Rate" value which is set automatically according to the "Frame Rate".

5.3.1.7 Enable rec

This option is used to enable or disable selected camera recording. To enable, select the respective check box using "◀▶" and press "ENTER" or "EDIT".

Symbol "✓" indicates that the recording option is enabled; symbol "✗" indicates that it is not.

5.3.1.8 Schedule

Select "Schedule" and press "ENTER" to access the programming menu shown below.



Figure 27: recording programming menu

The selected item is highlighted.

Press arrows "◀▶▲▼" to point the cursor to the various menu items.

Point the cursor to the required item and press "ENTER" to edit it. Use buttons "▲▼" to change the available options for the selected menu item.

Select "CONFIRM" and press "ENTER" to make the changes effective.

Select "CANCEL" and press "ENTER" to cancel the changes.

Press "ESC" to go back by one step.

Press "ESC" several times until the configuration window closes to quit the configuration menu.

IMPORTANT NOTE

- The device will resume recording only recording tasks programmed in the “Recording” menu after a blackout. Recordings started manually will not be resumed after a blackout.

5.3.1.8.1 Day

This option is used to set and program recording on the selected camera for day of the week.

Use “▲▼” to select.

This option can be used to set up to 4 recording periods for each day of the week with respective event start and end times. The recording mode can be defined for each period.

5.3.1.8.2 All day

You can also enable recording for the entire selected day.

To enable, select the respective check box using “◀▶” and press “ENTER” or “EDIT”.

Symbol “✓” indicates that the whole day recording option is enabled; symbol “✗” indicates that it is not.

Check the “All day” option to define the recording mode.

The following recording modes can be selected:

- all time
- mot det
- alarm
- mot / alm
- mot & alm
- command

All time

In this mode, recording is continuous for 24 hours.

IMPORTANT NOTE

If “All Time” is selected, in the event of a blackout or if the device is switched off, the device will automatically resume recording as soon as network voltage is resumed and the device is switched on again.

Motion

In this mode, recording starts as soon as motion is detected.

Alarm

In this mode, recording starts as soon as a sensor detects an alarm.

Motion / alarm

In this mode, recording starts as soon as either a sensor detects an alarm or a motion is detected.

Motion & alarm

In this mode, recording starts as soon as either a sensor detects an alarm and a motion is detected.

Command

In this mode, recording starts when the “REC” button is pressed.

Press “REC” to stop the recording again.

5.3.1.9 Pre REC

The recording will contain the video feed prior to the alarm for the set time in the event of a motion detection or external alarm event.

Possible options are: “Nr.”, “5s”, “10”, “15s”, “20”, “25”, “30” and “Max”.

Use “▲▼” to select.

Select “Nr.” for no “pre-recording”.

5.3.1.10 Post REC

The recording will contain the video feed following the alarm for the set time in the event of a motion detection or external alarm event.

Possible options are: “5s”, “10”, “30s”, “1Min”, “2Min”, “5Min” and “10Min”.

Use “▲▼” to select.

5.3.1.11 Copy to camera

Select “Copy to camera” to select on which cameras to copy the following settings:

- resolution
- bit rate
- frame rate
- enable rec - schedule

Select “all” to copy the settings on all cameras. Select “Copy” and press “ENTER” to copy the settings. Confirmation of the operation will be required: press “ENTER” again to confirm.

5.4 NETWORK MENU

➤ Description

Use this menu to configure the DVR according to the parameters of the Ethernet network to which it is connected. Position the "Active Frame" on the "**NETWORK**" icon and press "**ENTER**".

🔧IMPORTANT NOTE

- The default IP address of the DVR is: 192.0.0.64. Use this menu to assign to the DVR an IP address which is not used in the network by other devices to prevent conflicts.
- Connect the DVR to the network after having correctly configured the IP address.

The following window will appear:

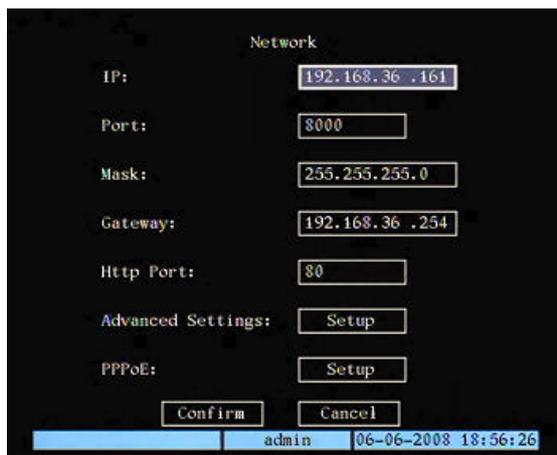


Figure 28: network menu (basic settings)

This page contains the basic menu settings.

Select "**ADVANCED SETTINGS**" and press "**ENTER**" to access advanced settings.

The selected item is highlighted.

Press arrows "◀▶ ▲▼" to point the cursor to the various menu items.

Point the cursor to the required item and press "**ENTER**" to edit it. Use buttons "▲▼" to change the available options for the selected menu item.

Select "**CONFIRM**" and press "**ENTER**" to make the changes effective.

Select "**CANCEL**" and press "**ENTER**" to cancel the changes.

Press "**ESC**" to go back by one step.

Press "**ESC**" several times until the configuration window closes to quit the configuration menu.

5.4.1 NETWORK MENU BASIC SETTINGS

5.4.1.1 IP

This menu option is used to set the DVR IP address.

Press "**EDIT**" and use the number keys 0-9 to enter the IP address. Use "◀▶" to shift the cursor. Press "**EDIT**" to cancel. Press "**ENTER**" to confirm or "**ESC**" to cancel.

The entered IP address must not be in conflict with other IP addresses.

If there is a **DHCP** server in the network, address "0.0.0.0" can be set. Save and reboot the device. While rebooting, the device will connect to the server and obtain a dynamic IP address displayed in the IP field.

🔧IMPORTANT NOTE

It is advisable to assign a static IP address to the device.

5.4.1.2 Port

This menu option is used to set the port number used for image transmission. The entered number must be higher than 2000. The default setting is 8000.

Press "**EDIT**" and use number keys 0-9 to enter the port number. Use "◀▶" to shift the cursor. Press "**EDIT**" to delete. Press "**ENTER**" to confirm or "**ESC**" to cancel.

5.4.1.3 Mask

Use this option to set the subnet mask of the device.

Press "**EDIT**" and use number keys 0-9 to enter the mask number. Use "◀▶" to shift the cursor. Press "**ENTER**" to confirm or "**ESC**" to cancel.

5.4.1.4 Gateway

This option can be used to set the gateway of the device.

Press **“EDIT”** and use number keys 0-9 to enter the address. Use **“◀▶”** to shift the cursor. Press **“ENTER”** to confirm or **“ESC”** to cancel.

5.4.1.5 Http port

This option can be used to set the port number used for the Internet Explorer browser. The default setting is 80.

Press **“EDIT”** and use number keys 0-9 to enter the port number. Use **“◀▶”** to shift the cursor. Press **“ENTER”** to confirm or **“ESC”** to cancel.

5.4.1.6 PPPoe

This option is used to enable PPPoE dial-up functions.

To enable, select the respective check box using **“◀▶”** and press **“ENTER”** or **“EDIT”**.

Symbol **“✓”** indicates that the PPPoE function is enabled; symbol **“✗”** indicates that it is not.

The following can be defined after enabling the **“PPoE”** option:

- user
- password
- verify

User

This option is used to enter the user name for PPPoE authentication. The user name may consist of up to 32 characters.

Password

This option is used to enter the password for PPPoE authentication. The password may consist of up to 14 characters.

Verify

This option is used to enter the password again for PPPoE authentication.

5.4.2 NETWORK MENU ADVANCED SETTINGS

Position the “Active Frame” on the **“ADVANCED SETTINGS”** icon and press **“ENTER”**.

The following window will appear.

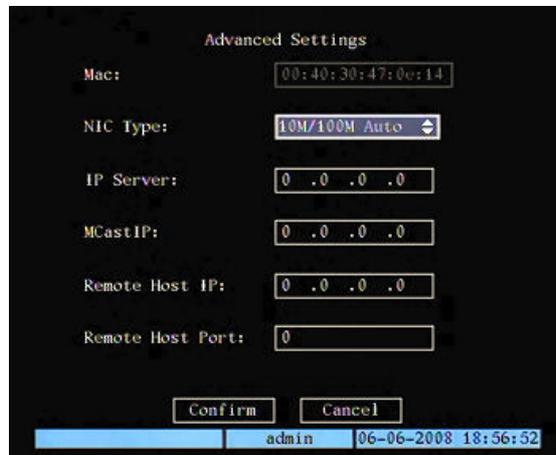


Figure 29: network menu (advanced settings)

This page contains the basic menu settings.

The selected item is highlighted.

Press arrows **“◀▶▲▼”** to point the cursor to the various menu items.

Point the cursor to the required item and press **“ENTER”** to edit it. Use buttons **“▲▼”** to change the available options for the selected menu item.

Select **“CONFIRM”** and press **“ENTER”** to make the changes effective.

Select **“CANCEL”** and press **“ENTER”** to cancel the changes.

Press **“ESC”** to go back by one step.

Press **“ESC”** several times until the configuration window closes to quit the configuration menu.

5.4.2.1 Mac

This option can be used to display the hardware network address of the device. This address cannot be edited.

5.4.2.2 Nic Type

This option is used to select the network connection type to be used.

Possible options are: "10M/100M AUTO", "10M Half-Dup", "10M Full-Dup", "100M Half-Dup" and "100M Full-Dup".

Use "▲▼" to select.

IMPORTANT NOTE

It is advisable not to change the default setting "10M/100M AUTO".

5.4.2.3 IP server

This option can be used to set the DNS of the device.

Press "EDIT" and use number keys 0-9 to enter the address. Use "◀▶" to shift the cursor. Press "ENTER" to confirm or "ESC" to cancel.

A dynamic IP address is obtained if the device uses a PPPoE function.

If DNS is set with a fixed internet IP address, the device will send the following information to the IP address:

- name of the DVR
- serial number of the DVR
- current IP address of the DVR

The DNS server with the fixed address may receive information on the DVR and use the information to solve the DVR dynamic IP.

5.4.2.4 MCast IP

This option is used to set a "D" class IP address from 224.0.0.0 to 239.255.255.255. This option is required only if multicast connections are used.

Press "EDIT" and use number keys 0-9 to enter the address. Use "◀▶" to shift the cursor. Press "ENTER" to confirm or "ESC" to cancel.

IMPORTANT NOTE

- Not all networks support multicast connections.
- When connecting to a remote PC (using Client Software or I.E.), remember that all video channels used by the PC correspond to a "unicast" type connection (TCP, RTP, UDP etc).
- The DVR is capable of supporting up to 24 "unicast" connections, i.e. up to 24 video channels connected in TCP, RTP, UDP.

5.4.2.5 Remote host IP

This option can be used to set the Event server IP address.

Press "EDIT" and use number keys 0-9 to enter the address. Use "◀▶" to shift the cursor. Press "ENTER" to confirm or "ESC" to cancel.

Alarm notifications or warnings set in the "EXCEPTIONS" menu will be sent to this IP address.

5.4.2.6 Remote host port

This option can be used to set the port number used for transmitting the Event Server IP. Press "EDIT" and use number keys 0-9 to enter the port number. Use "◀▶" to shift the cursor. Press "ENTER" to confirm or "ESC" to cancel.

5.5 ALARMS MENU

➤ Description

Access this menu for configuring each alarm input.

Position the "Active Frame" on the "**ALARMS**" icon and press "**ENTER**".

The following window will appear.

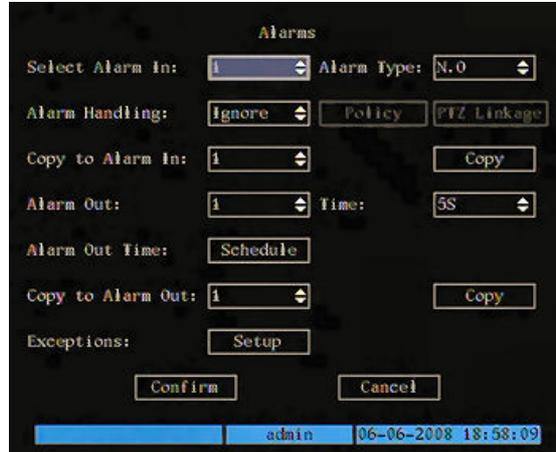


Figure 30: alarms menu

This page contains the basic menu settings.

The selected item is highlighted.

Press arrows "◀▶▲▼" to point the cursor to the various menu items.

Point the cursor to the required item and press "**ENTER**" to edit it. Use buttons "▲▼" to change the available options for the selected menu item.

Select "**CONFIRM**" and press "**ENTER**" to make the changes effective.

Select "**CANCEL**" and press "**ENTER**" to cancel the changes.

Press "**ESC**" to go back by one step.

Press "**ESC**" several times until the configuration window closes to quit the configuration menu.

5.5.1 ALARMS MENU BASIC SETTINGS

5.5.1.1 Alarm input

Use this option to select the alarm input to be configured.

Use "▲▼" to select.

5.5.1.2 Alarm type

This option is used to set the sensor alarm contact type.

Possible options are: "**Nc**" and "**Na**".

Use "▲▼" to select.

In normally open mode, an alarm detection is active when the sensor contact is closed.

In normally closed mode, an alarm detection is active when the sensor contact is open.

5.5.1.3 Alarm handling

This option is used to activate the alarm notification on the respective input.

Possible options are: "**Ignore**" and "**Handle**".

Use "▲▼" to select.

Select "**Handle**" option to access the following submenus:

- policy
- PTZ linkage

Policy

Position the "Active Frame" on the "Handling" icon and press "**ENTER**".
The following window will appear.



Figure 31: input alarm notification submenu

This page contains the basic menu settings.

The selected item is highlighted.

Press arrows "**◀▶▲▼**" to point the cursor to the various menu items.

Point the cursor to the required item and press "**ENTER**" to edit it. Use buttons "**▲▼**" to change the available options for the selected menu item.

Select "**CONFIRM**" and press "**ENTER**" to make the changes effective.

Select "**CANCEL**" and press "**ENTER**" to cancel the changes.

Press "**ESC**" to go back by one step.

Press "**ESC**" several times until the configuration window closes to quit the configuration menu.

5.5.1.3.1 Record camera

This option is used to select which video channels to associate to the respective alarm.

To associate, select the respective check box using "**◀▶**" and press "**ENTER**" or "**EDIT**".

Symbol "**✓**" indicates that the association option is enabled; symbol "**✗**" indicates that it is not.

External alarm status is shown with a red icon if the "**On screen warning**" option is checked.

5.5.1.3.2 Record schedule

This option can be used to set up to 4 alarm indicating periods for each day of the week with respective event start and end times.

Use "**▲▼**" to select the day.

Use "**◀▶**" to point the cursor to the hours/minutes of the period to be set.

Press "**▲▼**" to select hours/minutes. Specific messages will appear if times overlap.

Select "**Copy to**" to select the day of the week where to copy notification programming. Select "**All**" to copy the settings on all days of the week. Select "**Copy**" and press "**ENTER**" to copy the settings. Confirmation of the operation will be required: press "**ENTER**" again to confirm.

5.5.1.3.3 Handle method

This option is used to select the notification type to be used in the event of an alarm. Possible options are:

- On Screen warning
- Audible warning (Function currently not available)
- Uplod to center
- Trigger alarm out

On Screen warning

The video channel concerned by the alarm is shown on full screen in this situation.

Audible warning

Function currently not available.

Uplod to center

The alarm notification is sent to a server (PC) whose IP address is set in "**NETWORK**" → "**Remote host IP**" menu.

Trigger alarm out

Notification is sent to one or more outputs, according to the selection, such as for example sirens, flashers, etc.

To set, select the respective check box using “◀▶” and press “**ENTER**” or “**EDIT**”.

Symbol “✓” indicates that the selected option is enabled; symbol “✗” indicates that it is not.

USE OF PTZ

Position the “Active Frame” on the “**PTZ linkage**” icon and press “**ENTER**”.

The following window will appear.

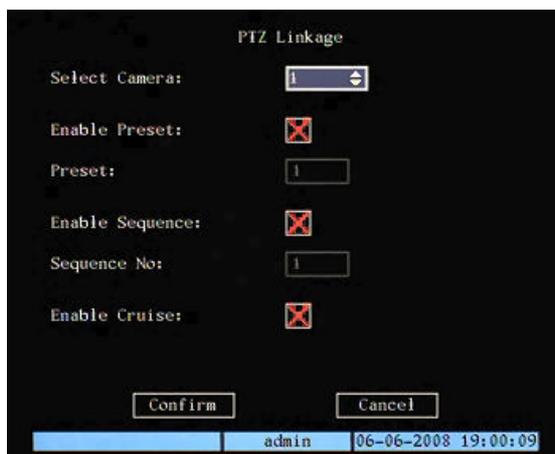


Figure 32: PTZ linkage submenu

The selected item is highlighted.

Press arrows “◀▶” to point the cursor to the various menu items.

Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

Select “**CANCEL**” and press “**ENTER**” to cancel the changes.

Press “**ESC**” to go back by one step.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu.

Select camera

This option is used to select the cameras to be combined to the selected alarm input. Use “▲▼” to select.

Enable preset

To activate, select the respective check box using “◀▶” and press “**ENTER**” or “**EDIT**”.

Symbol “✓” indicates that the **Enable preset** option is selected; symbol “✗” indicates that it is not.

Refer to chapter 5.6.2.2 for presetting (recalling a preset position).

Preset

This option can be used to enter a preset number to be run.

Enable pattern

Function currently not available.

🔔 IMPORTANT NOTE

On Urmet 1092/650 devices, pattern tours can be started using specific preset buttons (refer to the product manual for more details).

Enable patrol

Function currently not available.

🔔 IMPORTANT NOTE

On Urmet 1092/650 devices, patrol tours can be started using specific preset buttons (refer to the product manual for more details).

5.5.1.4 Copy to input

Select **"Copy to input"** to select on which inputs to copy the following settings:

- Alarm type - handling

Select **"All"** to copy the settings on all cameras. Select **"Copy"** and press **"ENTER"** to copy the settings. Confirmation of the operation will be required: press **"ENTER"** again to confirm.

IMPORTANT NOTE

The **"Copy to input"** function has no effect on the parameters set in the **"Exceptions"** menu.

5.5.1.5 Alarm out

Use this option to select the alarm output to be configured.

Use **"▲▼"** to select.

5.5.1.6 Time

This option is used to set the alarm activation time on the selected output.

Possible options are: **"5s"**, **"10"**, **"30s"**, **"1Min"**, **"2Min"**, **"5Min"**, **"10Min"** and **"Manual"**.

Use **"▲▼"** to select.

Select **"Manual"** option, the alarm output will not be deactivated until **"Alarms stop"** is pressed in the **"Alarms"** menu.

5.5.1.7 Alarm out time

Select **"Schedule"** and press **"ENTER"** to access the programming menu shown below.



Figure 33: alarm output configuration submenu

The selected item is highlighted.

Press arrows **"◀▶"** to point the cursor to the various menu items.

Select **"CONFIRM"** and press **"ENTER"** to make the changes effective.

Select **"CANCEL"** and press **"ENTER"** to cancel the changes.

Press **"ESC"** to go back by one step.

Press **"ESC"** several times until the configuration window closes to quit the configuration menu.

5.5.1.7.1 Day

This option is used to set and program recording of the alarm output camera for each day of the week.

Use **"▲▼"** to select the day.

This option can be used to set up to 4 alarm indicating periods for each day of the week with respective event start and end times.

Use **"◀▶"** to point the cursor to the hours/minutes of the period to be set.

Press **"▲▼"** to select hours/minutes. Specific messages will appear if times overlap.

Select **"Copy to"** to select the day of the week where to copy notification programming. Select **"All"** to copy the settings on all days of the week. Select **"Copy"** and press **"ENTER"** to copy the settings. Confirmation of the operation will be required: press **"ENTER"** again to confirm.

5.5.1.8 Copy to alarm out

This option is used to select the alarm outputs on which to copy the alarm programming.

The following settings may be copied:

- Time - schedule

Select **"All"** to copy the settings on all outputs. Select **"Copy"** and press **"ENTER"** to copy the settings. Confirmation of the operation will be required: press **"ENTER"** again to confirm.

5.5.2 EXCEPTIONS

➤ Description

Access this menu to configure warnings following particular events.

Position the "Active Frame" on the "**EXCEPTIONS**" icon and press "**ENTER**".

The following window will appear.



Figure 34: alarms configuration – exceptions menu

This page contains the advanced menu settings.

The selected item is highlighted.

Press arrows "◀▶" to point the cursor to the various menu items.

Select "**CONFIRM**" and press "**ENTER**" to make the changes effective.

Select "**CANCEL**" and press "**ENTER**" to cancel the changes.

Press "**ESC**" to go back by one step.

Press "**ESC**" several times until the configuration window closes to quit the configuration menu.

5.5.2.1 Exception

This option is used to set a warning following each of the following events:

- hard disk full
- hard disk error
- network failure
- IP addr conflict
- illegal acces
- NTSC/PAL differ

Use "▲▼" to select.

5.5.2.1.1 Hard disk full

This warning means that there is no free space on the hard disks in the device.

5.5.2.1.2 Hard disk error

This warning means that the hard disks in the device have either not been installed, formatted or recognised during initialisation.

5.5.2.1.3 Network failure

This warning means that a network fault has occurred.

5.5.2.1.4 IP addr conflict

This warning means that a conflict between two or more devices to which the same IP is assigned has occurred.

5.5.2.1.5 Illegal acces

This means that an attempt to access the device has been made by a unauthorised user.

5.5.2.1.6 NTSC/PAL differ

This means that a video source connected to the video inputs of the device is emitting a format different from that set on the DVR.

Possible options are:

- Audible warning (Function currently not available)
- Uplod to center
- Trigger alarm out

Audible warning

Function currently not available.

Uplod to center

The alarm notification is sent to a server (PC) whose IP address is set in “**NETWORK**” → “**Remote host IP**” menu.

Trigger alarm out

Notification is sent to one or more outputs, according to the selection, such as for example sirens, flashers, etc.

To set, select the respective check box using “◀▶” and press “**ENTER**” or “**EDIT**”.

Symbol “✓” indicates that the selected option is enabled; symbol “✗” indicates that it is not.

5.6 PTZ MENU

➤ Description

Use this menu for setting the communication parameters with the devices connected to the RS-485 port, such as for example PTZ cameras (Easy-Dome // Ref.1092/650).

🔔IMPORTANT NOTE

It is advisable to connect one only DVR to each RS-485 PTZ control line to exploit the functions of the Urmet Domus DVR DVS digital video recorders to the maximum.

Position the “Active Frame” on the “**PTZ**” icon and press “**ENTER**”.

The following window will appear.



Figure 35: PTZ menu (basic settings)

This page contains the basic menu settings.

The selected item is highlighted.

Press arrows “◀▶” “▲▼” to point the cursor to the various menu items.

Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

Select “**CANCEL**” and press “**ENTER**” to cancel the changes.

Press “**ESC**” to go back by one step.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu.

🔔IMPORTANT NOTE

The baud rate, data bits, stop bits, parity, protocol flow and IP address parameters must be coherent with those of the camera.

Refer to the appendix of this manual for Urmet Ref.1092/650.

5.6.1 PTZ MENU BASIC SETTINGS

5.6.1.1 Select camera

This option is used to select the camera for which to set communication parameters.
Use “▲▼” to select the camera.

5.6.1.2 Baud rate

This option can be used to set the RS-485 port communication speed.

Possible options are: “50”, “75”, “110”, “150”, “300”, “600”, “1200”, “2400”, “4800”, “9600”, “19200”, “38400”, “57600”, “76800” and “115.2 K”.

Use “▲▼” to select.

5.6.1.3 Data bits

This option can be used to set the RS-485 port data bit.

Possible options are: “5bit”, “6bit”, “7bit” and “8bit”.

Use “▲▼” to select.

5.6.1.4 Stop bits

This option can be used to set the RS-485 port stop bit.

Possible options are: “1bit” and “2bit”.

Use “▲▼” to select the value.

5.6.1.5 Parity

This option can be used to set the RS-485 port parity.

Possible options are: “No parity”, “Even” and “Odd”.

Use “▲▼” to select.

5.6.1.6 Protocol

This menu can be used to set the communication protocol.

Use “▲▼” to select.

5.6.1.7 Address PTZ

This option can be used to set the ID address associated to the camera.

Use the number keys 0-9 on the front panel to enter a character.

Use the arrow buttons “◀▶” to move the cursor.

Press “EDIT” to delete a character.

5.6.1.8 Flow ctrl

This option can be used to set the data flow check transiting on the RS-485 port.

Possible options are: “None”, “Software” and “Hardware”.

Use “▲▼” to select.

5.6.1.9 Preset

Position the “Active Frame” on the “Setup” icon and press “ENTER”.

The following window will appear.

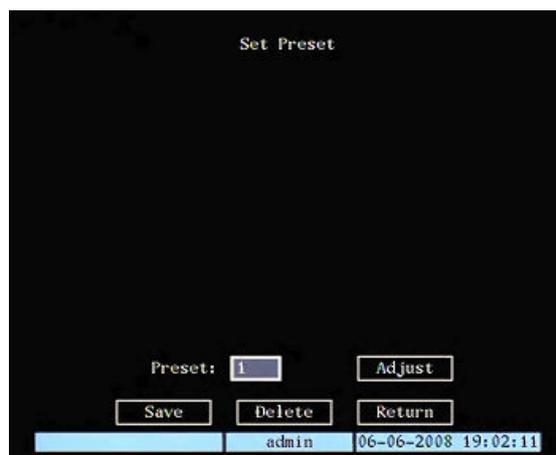


Figure 36: preset programming interface

The selected item is highlighted.

Press arrows “◀▶” to point the cursor to the various menu items.

5.6.1.9.1 Preset

This option is used to set the preset number (preset position).

The presetting consists in defining a number indicating the camera position, the zoom level, focus and brightness.

Up to 128 presettings can be saved (1-128).

Use the number keys 0-9 on the front panel to enter a character.

Use the arrow buttons “◀▶” to move the cursor.

Press “**EDIT**” to delete a character.

Press “**ENTER**” to confirm.

🔔IMPORTANT NOTE

Make sure that the camera supports the function before programming presettings.

5.6.1.9.2 Adjust

Position the “Active Frame” on the “**Adjust**” icon and press “**ENTER**”.

The following window will appear.



Figure 37: PTZ interface

Use “▲▼◀▶”, and “**IRIS+**”, “**IRIS-**”, “**FOCUS+**”, “**FOCUS-**”, “**ZOOM+**”, “**ZOOM-**” on the front panel of the device to reach the required position and adjustment level respectively.

Press “**ENTER**” to confirm and return to the preset setting interface.

Select “**Save**” and press “**ENTER**” to make the changes effective (position and preset number). A confirmation message will appear.

Select “**Cancel**” and press “**ENTER**” to cancel a presetting.

After programming all the preset numbers and settings, press “**Return**” to go back to the “**PTZ**” menu. Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

5.6.1.10 Pattern

Function currently not available.

5.6.1.11 Patrol

Function currently not available.

5.6.1.12 Copy to camera

Select “**Copy to camera**” to select on which cameras to copy all the settings on all cameras. Select “**Copy**” and press “**ENTER**” to copy the settings. Confirmation of the operation will be required: press “**ENTER**” again to confirm.

5.7 USER MENU

➤ Description

Access this menu to edit the default password, add (the administrator can create up to 15 users) or remove new users and define the respective rights. Position the “Active Frame” on the “**User**” icon and press “**ENTER**”.

The following window will appear:

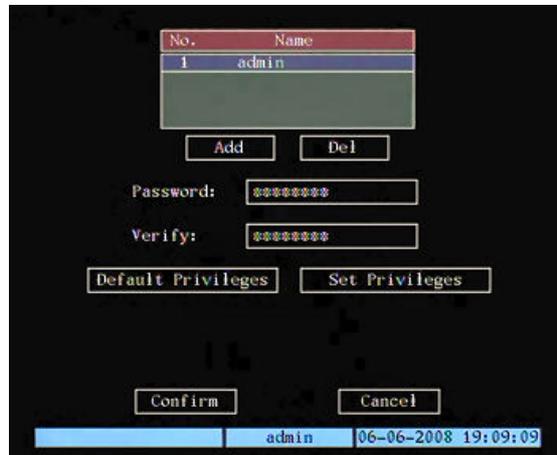


Figure 38: user menu

The selected item is highlighted.

Press arrows “◀▶▲▼” to point the cursor to the various menu items.

Point the cursor to the required item and press “**ENTER**” to edit it. Use buttons “▲▼” to change the available options for the selected menu item.

Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

Select “**CANCEL**” and press “**ENTER**” to cancel the changes.

Press “**ESC**” to go back by one step.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu.

The box contains a list of the default users. The features of the default administrator are:

- **User** → **admin**
- **Password** → **12345**

The “admin” name cannot be edited. The password can be edited.

📌 IMPORTANT NOTE

- **THE DEFAULT PASSWORD IS “12345”.**
- **It is advisable to change the default password to prevent intrusions.**
- **To enter/edit the password, remember to press “SHIFT” (make sure that the STATUS LED lights up) followed by the number keys. At the end of the operation, press “SHIFT” to go back to default functions. The STATUS LED will go out.**
- **Do not lose or forget the programmed password.**
- **Take note of the new password and keep it in a safe place.**
- **It will not be possible to access the device in local mode (i.e. using the front panel) if an alphanumeric password is chosen (using the dedicated software).**

5.7.1 PASSWORD CHANGE

Use “◀▶” to shift the “active frame” onto the “**Password**” box, press “**Edit**” and enter a new password.

The password is a maximum 16 number combination. To enter the sequence of numbers in a password, use the number keys on the front of the panel (press “**Edit**” to cancel a character). The entered numbers will be replaced by a “*” symbol on the screen for privacy.

After entering the password, press “**Enter**” to quit entry mode.

Use “◀▶” to shift the “active frame” onto the “**Verify**” box, press “**Edit**” and enter the new password.

The password will be saved and become effective if the two passwords are the same.

An error message will appear indicating the fault if the entered password and the check password are different.



Figure 39: password error message

In this case, press “**Enter**” to go back to the previous menu and repeat the entry procedure.

IMPORTANT NOTE

- Only numeric passwords if new users are programmed in local mode (i.e. using the front panel of the DVR). Alphanumeric passwords may be created using the software.
- It will not be possible to access the device in local mode (i.e. using the front panel) if an alphanumeric password is chosen.
- For safety reasons, the password is case-sensitive.

5.7.2 ADDING A NEW USER

The administrator can create up to 15 users and define their privileges. Use “◀▶” to shift the “active frame” onto the “**Add**” box, press “**Enter**”. The following screen will appear.



Figure 40: adding a new user

New user name entry procedure.
 Refer to chapter 5.2.1.2 for entering characters.
 Press “**Edit**” to delete a character.
 After entering the new user name, press “**Enter**” to quit entry mode.

5.7.2.1 Defining a password for a new user

A password must be defined for each new user. No password is associated by default. Use “◀▶” to shift the “active frame” onto the “**Password**” box, press “**Edit**” and enter a new password. After entering the password, press “**Enter**” to quit entry mode. Use “◀▶” to shift the “active frame” onto the “**Verify**” box, press “**Edit**” and enter the new password.

IMPORTANT NOTE

- Only numeric passwords if new users are programmed in local mode (i.e. using the front panel of the DVR). Alphanumeric passwords may be created using the software.
- It will not be possible to access the device in local mode (i.e. using the front panel) if an alphanumeric password is chosen.
- For safety reasons, the password is case-sensitive.

5.7.2.2 Defining authorisations for a new user

After adding a new user, define a respective password and proceed by setting authorisations. The new user has no authorisation. At this point, a selected user can be programmed:

- Default rights
- Set right

Default rights

Use “◀▶” to shift the “active frame” onto the “**Default right**” box, press “**Enter**”.

The user will have the default authorisations which include accessing local and remote playback functions and consulting the log.

Set right

Use “◀▶” to shift the “active frame” onto the “**set right**” box, press “**Enter**”. The following screen will appear.



Figure 41: set right menu

The selected item is highlighted.

To enable, select the respective check box using “◀▶” and press “**ENTER**” or “**EDIT**”.

Symbol “✓” indicates that the selected option is enabled; symbol “✗” indicates that it is not.

Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

Select “**CANCEL**” and press “**ENTER**” to cancel the changes.

Press “**ESC**” to go back by one step.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu

5.7.3 DELETING A USER

Select the name of the user to be deleted in the user interface window using the “▲▼” buttons.

Use “◀▶” to shift the “active frame” onto the “**Cancel**” box, press “**Enter**”.

Window prompting you to confirm deletion will appear.

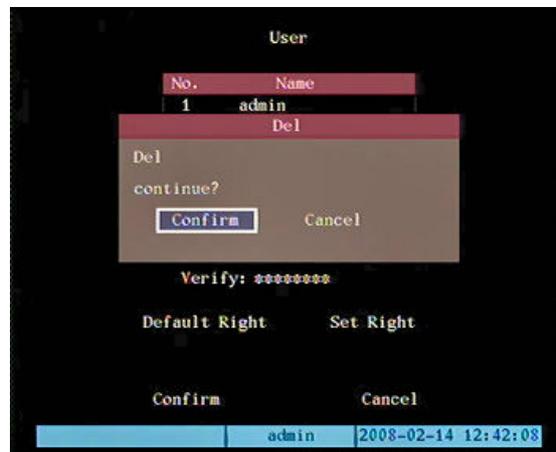


Figure 42: deleting a user

- Select “**CONFIRM**” and press “**ENTER**” to confirm deletion.
- Select “**CANCEL**” and press “**ENTER**” to cancel deletion.

5.8 SETTING MENU

➤ Description

Access this menu for operations such as, for example:

- restoring default settings (default parameters)
- upgrading the firmware (firmware)
- formatting the hard disk (hard disk)
- stopping the alarms (alarm output)
- rebooting the device (reboot)
- switching the device off (power off)
- accessing the event log (view log)
- getting information on the device (system information)

Position the “Active frame” on the “*Utilities*” icon and press “**ENTER**”.
The following window will appear:

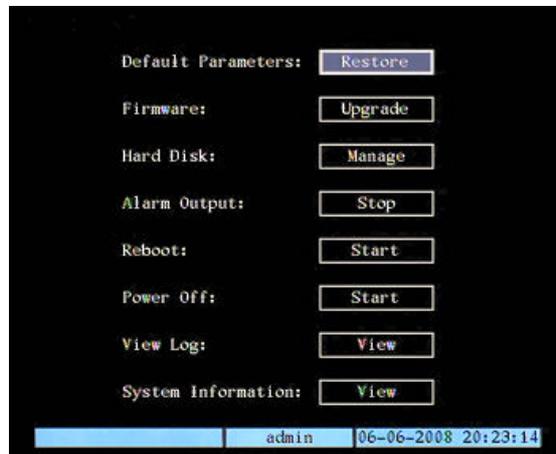


Figure 43: utilities menu

This page is characterised by a small rectangular window called “Active Frame”. Use the arrow buttons “◀▶” to move the frame from one icon to another.

Position the “Active Frame” on an icon and press “**ENTER**” to access the secondary menu.

Press “**ESC**” to go back by one step.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu.

5.8.1 DEFAULT PARAMETERS

This option is used to restore the default parameters of the device. The IP address, gateway and port number used for video feed transmission will not be restored.

5.8.2 FIRMWARE

This option is used to upgrade the firmware.

This operation may be performed from the “*FTP*” site or using a “*USB key*”.

The device will need to be rebooted after firmware upgrading.

Periodically check the URMET Domus S.p.A Customer Service Technical Area for firmware upgrades.

🔔 IMPORTANT NOTE

Some types of USB drives may not be fully compatible with the device.

5.8.3 HARD DISK

This option can be used to format the hard disks.
The following screen will appear.



Figure 44: formatting the hard disk

Use “▲▼” to select the hard disk to be formatted, shift the “Active Frame” to “**Format**”, and press “**Enter**”.

5.8.4 STOP ALARMS

This option is used to manually cancel the alarm output.

5.8.5 REBOOT

This option can be used to reboot the device.

5.8.6 POWER OFF

This option can be used to switch the device off.

5.8.7 VIEW LOG

This option can be used to display the log file saved on the hard disk of the device.
The following screen will appear.



Figure 45: events log

The selected item is highlighted.

Press arrows “◀▶▲▼” to point the cursor to the various menu items.

Press “**ESC**” or “**Return**” to go back by one step.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu.

The following event search criteria can be selected:

- by type
- by time
- by type & time
- all

Set the required search criteria, select “**Searchlog**” and press “**Enter**” to start the search.
 Select “**More Info**” and press “**Enter**” to view additional information on the device.
 To scroll the event hit page, shift the “Active Frame” onto the box showing the page number and enter the sequential number using the number keys on the front panel.

5.8.7.1 By type

Search by event type.

Possible options are: “**Alarm**”, “**Exception**”, “**Operation**” and “**All**”.

Use “▲▼” to select.

The search field can be additionally narrowed by selecting “**Mayor type**” according to the option:

SEARCH CRITERIA	OPTIONS
Alarm	Alarm in – Alarm out – Mot dect start – Mot dect stop – View tamper start – View tamper stop
Exception	Vi sig lost – Illegal access – Hard disk error – Hard disk full – IP conflict – Network failure
Operation	Power on – Shut down – Abnormal shut – Panel login – Panel logout – Panel config – Panel file play – Panel time play – Local start rec – local stop rec – Panel LPTZ – Panel set time – Local upgrade – Net login – Net logout – Net start record – Net stop record – Net start trans – Net stop trans – Net get para – Net config – Net get status – Alert on – Alert off – Net reboot – Bicom start – Bicom stop – Net – Uprade – Net file play – Net time play – Net PTZ
All	All

Use “▲▼” to select.

5.8.7.2 By time

The search is performed according to the entered start and end date and time.

Use “◀▶” to point the cursor to the day/month/year of the period to be set.

Use “▲▼” to set the parameters of enter the number to be entered directly using the number keys on the frontal panel of the device. Specific messages will appear if times overlap.

5.8.7.3 By type & time

Search is performed by setting alarm type with possible event details and combining it with the set start and end dates and times. Specific messages will appear if times overlap.

5.8.7.4 All

Select this item to apply no search criteria: the entire log will be shown.

5.8.8 SYSTEM INFO

This option can be used to display the following information about the device:

- unit name
- device model
- serial number
- firmware version
- encode version

as shown in the screenshot below.



Figure 46: system info

6 DVR FUNCTIONS

6.1 MANUAL RECORDING

Press “**REC**” on the front panel of the device in *LIVE* mode.

A password must be entered by default.

The following login window shown in the following figure will appear.

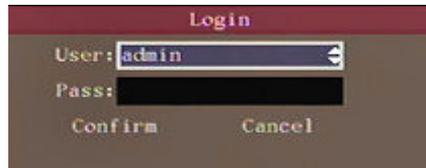


Figure 47: login page

Press “◀▶” to point the cursor to “**Password**” and then use the number keys on the front panel to enter the default password. Now, press “**ENTER**” twice to confirm and access the menu.

A sequence of three beeps lasting for approximately 3 seconds will be heard if the entered password is not correct. In this case, press “**MENU**” and enter the password again.

IMPORTANT NOTE

- **THE DEFAULT PASSWORD IS “12345”.**
- **It is advisable to change the default password to prevent intrusions.**
- **To enter/edit the password, remember to press “SHIFT” (make sure that the STATUS LED lights up) followed by the number keys. At the end of the operation, press “SHIFT” to go back to default functions. The STATUS LED will go out.**
- **Do not lose or forget the programmed password.**
- **Take note of the new password and keep it in a safe place.**
- **It will not be possible to access the device in local mode (i.e. using the front panel) if an alphanumeric password is chosen (using the dedicated software).**

The following window will appear:



Figure 48: recording menu

The selected item is highlighted.

Press arrows “◀▶” to point the cursor to the various menu items.

Press “**ESC**” to quit the menu.

IMPORTANT NOTE

- **The device will resume recording only recording tasks programmed in the *Recording* menu after a blackout. Recordings started manually will not be resumed after a blackout.**

6.1.1 CHAN

This item (not selectable) lists all the channels of the device.

6.1.2 STATUS

This item (not selectable) shows the status of each video channel by means of a series of LEDs. The following modes can be displayed:

-  → the channel is not active
- green → the channel is recording (manual, real time, motion detection, external alarm)
- red → transmitting on the network
- amber → recording and transmitting on the network

6.1.3 START/STOP

This option is used to start/stop the recording on a certain video channel.

To set, select the respective check box using “◀▶” and press “ENTER” or “EDIT”.

Symbol “✓” indicates that recording can be started on a selected channel; symbol “✗” indicates that the recording can be stopped.

The following will light up on a channel when recording is started:

- pink icon on the camera status bar shown on the monitor.

6.1.4 START ALL

Select this option and press “ENTER” or “EDIT” to start recording all video channels at the same time.

6.1.5 STOP ALL

Select this option and press “ENTER” or “EDIT” to stop recording all video channels at the same time.

🔔 IMPORTANT NOTE

To proceed with manual recording:

- the user must have the corresponding privileges
- at least one hard disk must be installed in the device
- the hard disk must be formatted

6.2 RECORDING SEARCH

Press “PLAY” on the front panel of the device in *LIVE* mode.

A password must be entered by default. The following window will appear.



Figure 49: playback menu

The selected item is highlighted.

Press arrows “◀▶” to point the cursor to the various menu items.

Press “ESC” to quit the menu.

6.2.1 CHANNEL

Use this option to select the channel to be played.

Use “▲▼” to select.

6.2.2 REC TYPE(SEARCH BY EVENT)

This option can be used to select the recording type to be sought.

Possible options are: “All time”, “Motion”, “Allarms”, “Command” and “All”.

Use “▲▼” to select.

6.2.3 TIME (SEARCH BY DATE AND TIME)

This option is used to define recording search by date and time. Use “◀▶” to point the cursor to the day/month/year of the period to be set. Press “▲▼” to select day/month/year and hours/minutes. Specific messages will appear if times overlap.

6.2.4 SEARCH

Select “**SEARCH**” to start searching according to the set parameters. The hit list will appear in the box underneath. Seven recordings will be shown on each page. To scroll the pages, position the “Active Frame” on “**Page n°.**” and press “▲▼” or directly enter the page number. Use “▲▼” to select the recording. A specific message will appear if the device finds no recordings which satisfy the set search criteria.

6.3 PLAYING A RECORDING

After setting the search parameters (event type, date and time) and having start the search by pressing “**SEARCH**”, select the file to be played from the list box and press “**ENTER**” to start playback.

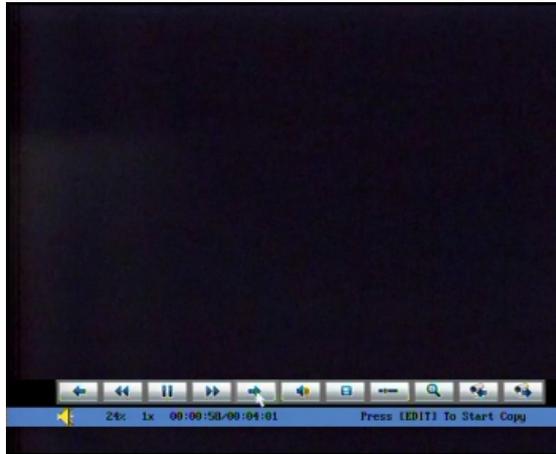
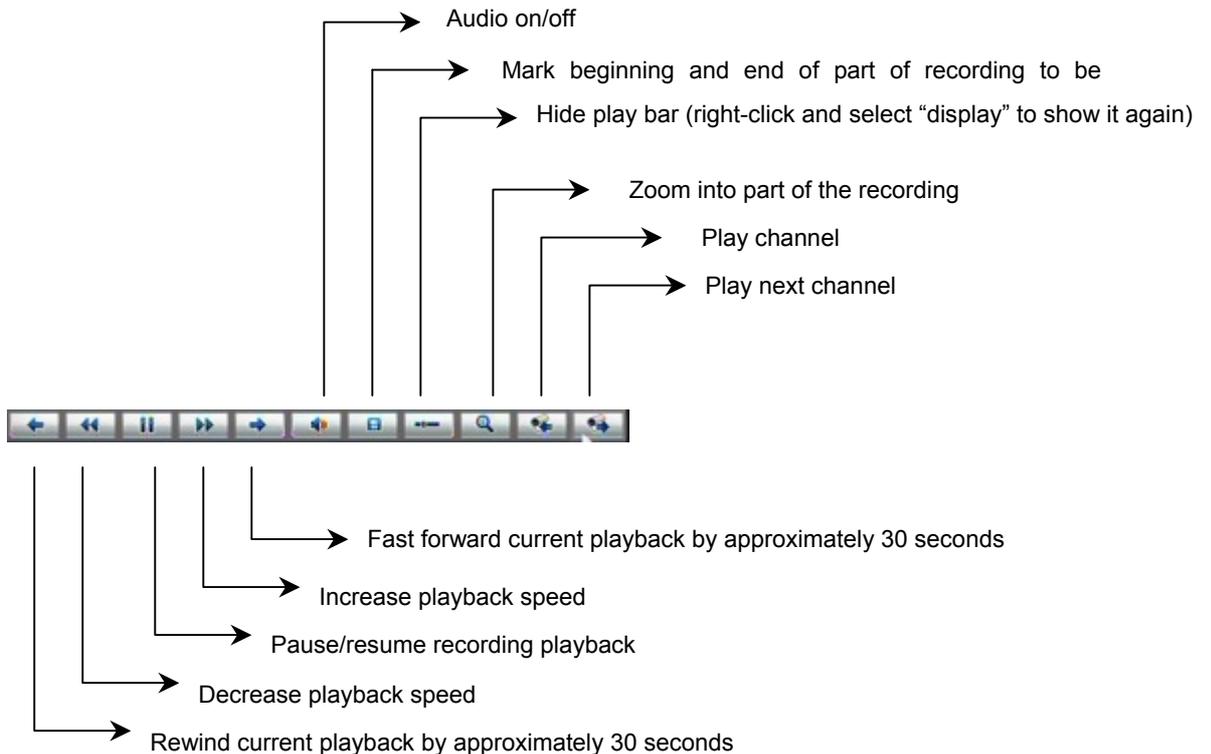
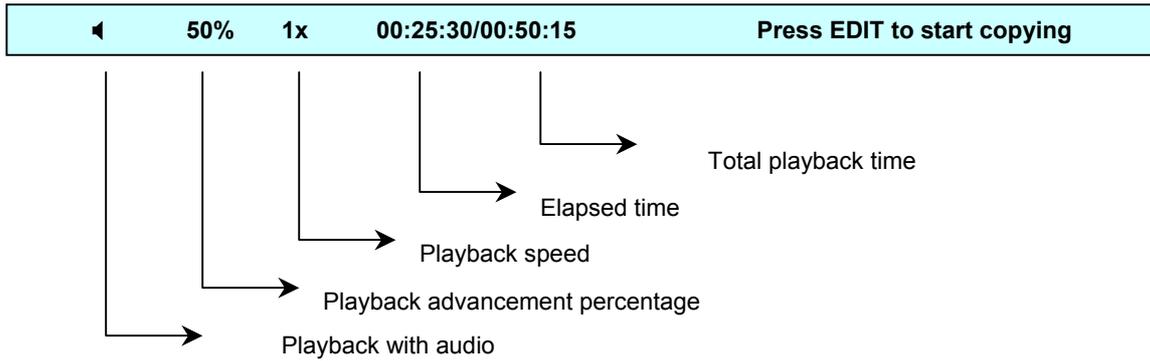


Figura 50: playing a recording

Connecting the USB mouse :to DVR, the following interface will appear in the lower half of the screen:





Press “**ENTER**” to stop playback.
 Press “**ENTER**” to resume playback.
 Press “**▲**” repeatedly to increase the playback speed with respect to normal speed (1x). Several speeds are available.
 Press “**▼**” repeatedly to decrease the playback speed with respect to normal speed (1x). Several speeds are available.
 Select “**Single**” to play one frame at a time and press “**ENTER**”.
 Press “**PLAY**” to mute the audio
 Press “**MENU**” to show or hide the command interface bar.
 Press “**ESC**” to quit playback mode.

6.3.1 PLAY

Select “**Play**” to start playback without interruption of recordings according to the set search parameters. Playback will stop when the end of the last recording on the last page of the list box is reached.

6.4 BACKUP

Various backup modes are offered by the DVR DVS device.
 The specific *FilePlayer* software supplied with the product must be used to view all videos or saved video segments on a PC.
 Press “**PLAY**” on the front panel of the device in *LIVE* mode.
 A password must be entered by default.
 The following window will appear.



Figure 51: backup menu

The selected item is highlighted.
 Press arrows “**◀▶**” to point the cursor to the various menu items.
 Press “**ESC**” to quit the menu.

6.4.1 SAVE DEVICE

This option can be used to select the device on which to perform backup operations or to copy selected recordings. Possible options are: “**Disco USB**”, “**HD USB**” and “**CDRW/DVDRW USB**”. Use “▲▼” to select the saving unit.

IMPORTANT NOTE

It is advisable to use CD-R, CD-RW (rewritable CD) or DVD-R, DVD-RW (DVD-RW must be entirely empty) if a CD/DVD burner connected via USB to the DVR is used.

6.4.2 COPY TO FILE

After setting the search parameters (event type, date/time, channel) and started search by pressing “**SEARCH**”, the recordings corresponding to the set parameters will appear in the hit list.

Select a recording file in the hit list to copy it.

Use “▲▼” to point to the required file and press “**EDIT**” to select it. Several files can be selected. Symbol “✓” will appear next to the selected files as shown below:



Figure 52: file selection

Select “**Save device**” to set the saving device.

Highlight “**Copy**” and press “**ENTER**” to start selected file backup.

6.4.3 COPY TO VIDEO SEGMENT

The DVR DVS device can be used to copy a video segment while it is being played. Define the device where to save the feed before playing the recording (“**Save device**”).

Press “**EDIT**” during playback to save the required portion of film.

Press “**EDIT**” again to stop the operation.

Up to 30 film segments can be saved.

Press “**ESC**” after selecting the segments. You will now be asked to save the segments: select “**Confirm**” to confirm and “**Cancel**” to cancel.

IMPORTANT NOTE

Recording backup can be performed in real time when the two channels are synchronised. In this way, since each channel may be used to back up 30 segments, up to 60 backup copies can be made.

6.4.4 BACKUP TODAY

Select this option without running a search to copy all the recordings on all enabled channels during the current day onto the backup device selected in “**Save device**”.

Error message will appear if the backup device is not connected correctly or the DVR does not recognise the backup device.

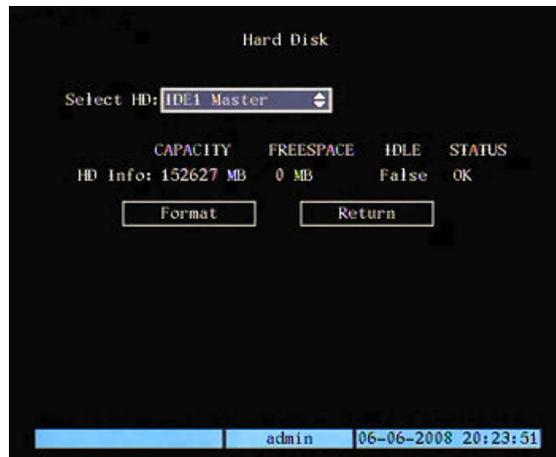
IMPORTANT NOTE

Some types of USB drives may not be fully compatible with the device.

6.5 DISPLAYING INFORMATION ON INSTALLED HARD DISKS

In "LIVE" mode, press "**MENU** → **UTILITIES** → **HARD DISK**" on the front panel of the device to display information on the hard disks installed in the device on the front panel of the device.

The following page will appear:



where:

- Capacity → this is the capacity of the installed hard disk
- Freespace → this is the free space available on the hard disk
- IDLE → this indicates that the hard disk is not working
- Status → this indicates the functional status of the hard disk

6.6 PTZ CONTROL

In **"LIVE"** mode, press **"PTZ"** to access the PTZ control interface.
By default, the device will ask to enter a password to access PTZ control mode.
Press **"ESC"** to quit the menu.

6.6.1 PTZ CAMERA SELECTION

This mode can be used to select the required channel using the number keys on the front panel.
To select the required camera in PTZ mode, press **"SHIFT"** followed by the number keys.

Example:

On the front panel of the DVR, press **"SHIFT"** followed by number key **"2"** to select the camera PTZ 2.

After having selected the required PTZ camera, press the **"SHIFT"** button on the DVR panel again to deactivate the numeric functions: now, the camera can be adjusted.

6.6.2 ADJUSTING THE PTZ CAMERA

Use **"▲▼◀▶"**, and **"IRIS+"**, **"IRIS-"**, **"FOCUS+"**, **"FOCUS-"**, **"ZOOM+"**, **"ZOOM-"** on the front panel of the device to reach the required position and adjustment level respectively.

6.6.3 RECALLING A PRESET POSITION

A preset position can be selected in **"PTZ"** → **"Preset"** after selecting the required camera.
Press **"REC/SHOT"** and enter the preset number (3 digits).

Example:

Press **"REC"** button and then **"002"** on the Remote to recall preset number 2.

6.6.4 ADJUSTING THE PANNING SPEED

Press **"▲▼◀▶"** repeatedly to increase the selected dome movement speed up to a maximum of 3x.

6.7 SPOT VIDEO OUTPUT

By means of the mouse, you can change the SPOT output on the secondary monitor (for controlling the mouse, see chapter 2.4.2).

SPOT monitor can also display the automatic sequence of the various connected cameras. Alternatively, you can display events (such as No Video Signal, Video Tampering, Motion Detection, and Alarms) on full screen.

Example for displaying automatic camera sequence on SPOT output

Access **"Menu → Display → Preview → Setup"**.

Set the video output to: Aux chan 1.

Set the required value for *Switch time*.

Confirm and quit.

Example for displaying events on SPOT output (No Video Signal, Video Tampering, Motion Detection, and Alarms)

Access **"Menu → Display → Preview → Setup"**.

Set the alarm output to: Spot1.

Set the required time for *Display delay*.

Confirm and quit.

7 USING THE INTERNET EXPLORER INTERFACE

Urmet Domus devices with H.264 video compression, namely:

- IP cameras
- DVR/DVS
- DVS (video server)

are hereinafter called 'device'.

The URMET Domus devices are provided with a Web Client for automatically connecting to a remote PC on the internet.

IMPORTANT NOTE

Any operation performed locally on the device (via the front panel of the DVR - remote control - mouse) may slow the software performance down. *LIVE* video feed may be the most effective.

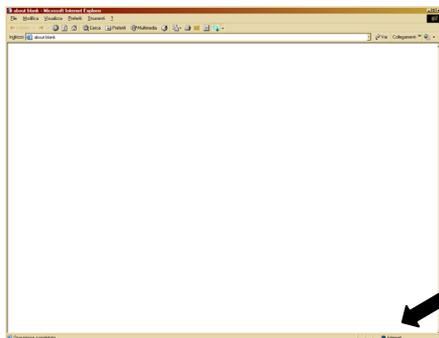
7.1 MINIMUM SOFTWARE INSTALLATION REQUIREMENTS

- | | | |
|---------------------------|---|--------------------------------|
| ➤ Processor | → | Pentium 4; 3GHz |
| ➤ RAM | → | 512 MB |
| ➤ Video board | → | MMX 128 MB; 128 bit |
| ➤ Operating system | → | Win 2000 Pro; Win XP Pro - sp2 |
| ➤ Browser Internet | → | 6.0 or higher |

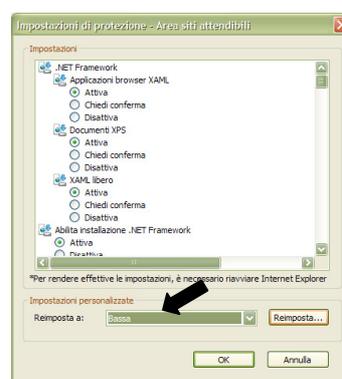
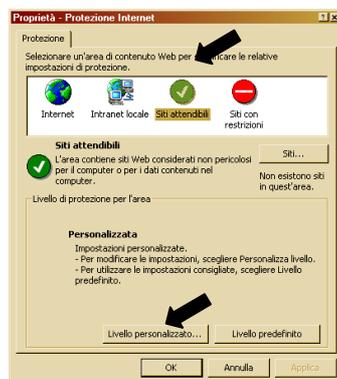
7.2 PROTECTION AND SECURITY CONFIGURATION

Configure security as follows before connecting to a remote PC.

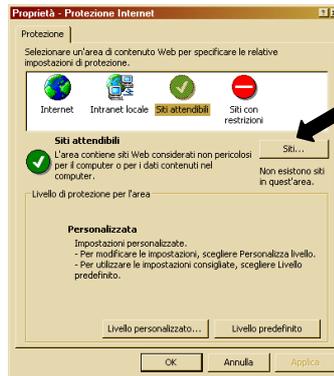
- Open Internet Explorer by double clicking on .
- The following page (or the home page) will appear.



- Double click on .
- The "Properties - Internet Security" window will appear.
- Select "Trusted sites" and check that the protection level is 'low'.



- Click on “Sites...”



- The following screen will appear.



- Add the IP address of the device (to display the address, press “F2” on the front panel of the device) in the “Add this website to the zone” field.



- Click on “Add”.
- The following confirmation screen will appear.



IMPORTANT NOTE

Do not check “Requie server verification (https) for all sites in this zone.

- Click on “OK” several times to end the procedure.
- Proceed by installing “Active X”.

IMPORTANT NOTE

You can reset the required I.E. protection level for trusted sites after installing “Active X”.

7.3 HOW TO SWITCH THE DEVICE ON

The following login window will appear for authenticating authorised users when the connection is established. The default settings are:

- > **User name** → **admin**
- > **password** → **12345**

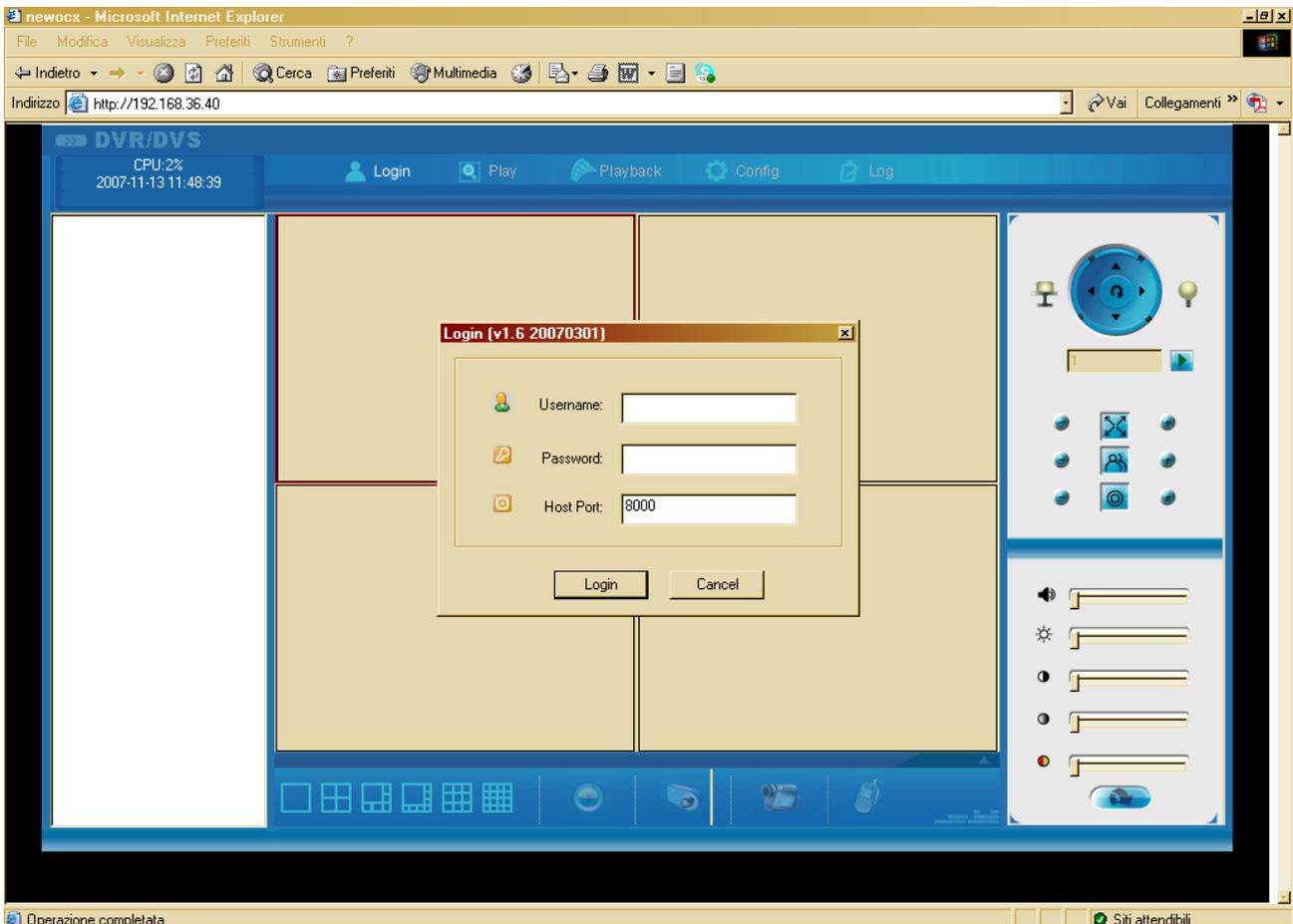


Figure 53: login window

The home page of the web interface may be accessed if the user name and password are correct. Otherwise, the following error message will appear.



Figure 54: error message

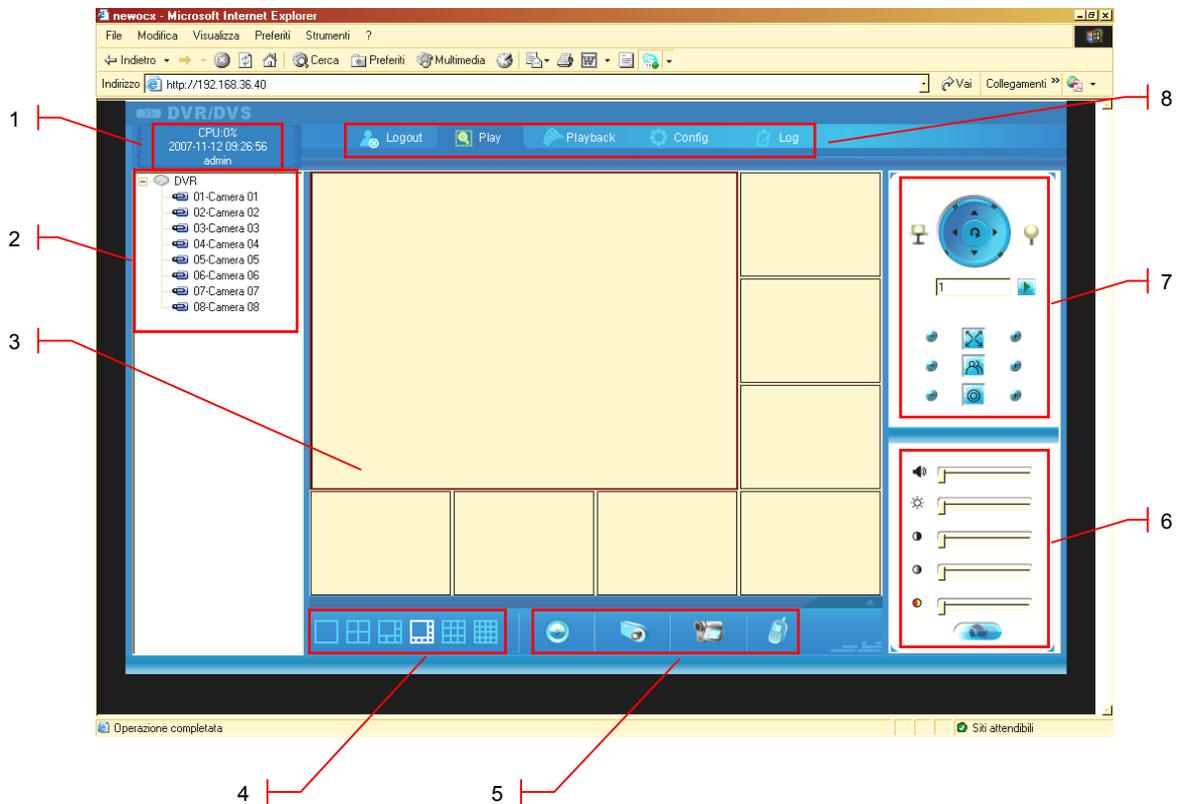
IMPORTANT NOTE

Set PC monitor resolution to 1024x768 for viewing the web interface in full-screen mode.

7.4 HOME PAGE AND DESCRIPTION OF THE INTERFACE

The following home page will appear after logging in successfully.

Figure 55: web interface home page

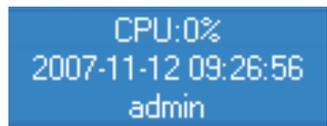


ID.	DESCRIPTION
1	Information area
2	Interface for displaying DVR status and available channels
3	Viewing grid
4	Viewing mode
5	Function buttons
6	View setting interface for each video channel
7	PTZ interface
8	Management/configuration button bar

7.4.1 INFORMATION AREA

This section contains the following information:

- Degree of use of the CPU (value expressed in %) →
- Current date and time in format: year/month/day and hours/minutes/seconds →
- User name used to login →



7.4.2 DVR AND CONNECTED CHANNELS STATUS INTERFACE

This section contains the following information:

- name of the connected device
- name of the available video channels
- status of the available video channels (connected - not connected)

ICON	DESCRIPTION
	Video channel available but not connected
	Video channel available and connected

7.4.3 VIEW BUTTONS

ICON	DESCRIPTION
	View one channel
	View four channels
	View nine channels
	View six channels
	View eight channels
	View sixteen channels

7.4.4 VIEWING GRID

The corresponding grid will be displayed according to the viewing mode selected using the corresponding buttons. The red box (left click to select) indicates the position where the view stream of the selected channel will be displayed.

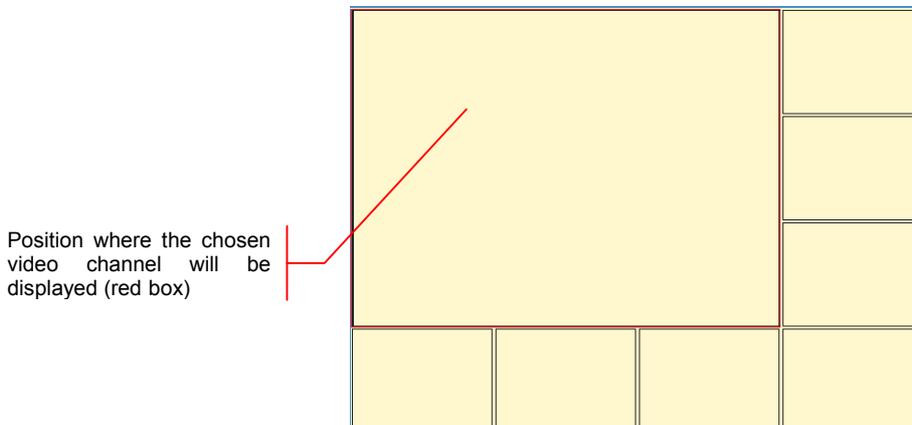


Figure 56: viewing grid example

7.4.5 FUNCTION BUTTONS

ICON	DESCRIPTION
	Starts/stops live <i>LIVE</i> connection to all available DVR channels at the same time according to the chosen viewing mode. The “ <i>Main Stream</i> ” will be used by all channels for connection.
	<p>This allows to acquire a snapshot of the selected <i>LIVE</i> video channel (red box). The acquired image may be saved by default in the <i>C:\Picture\</i> folder in bitmap format. The file name will be of the following type: <i>Picture_192.168.36.40_05_20071113_094244_6227453</i> where</p> <ul style="list-style-type: none"> - 192.168.36.40 → IP address of the device - 05 → video channel - 20071113 → date in year/month/day - 094244 → time in hour/minute/seconds - 6227453 → ID
	<p>Press once (the icon will change to ) to start recording the selected <i>LIVE</i> video channel (red box) on the PC. Press again to stop. The acquired sequence is saved by default in the folder <i>C:\mpeg4record</i></p>
	This allows to establish a two-way voice connection with the selected DVR.
	Restores default settings

7.4.6 VIEW SETTINGS

ICON	DESCRIPTION
	This is used to adjust the volume during playback if audio is available and if “ <i>VIDEO & AUDIO</i> ” stream is set in system configuration menu (chapter 5.3.2.1). Drag the cursor to set.
	This setting is used to adjust the brightness of the picture. Drag the cursor to set.
	This setting is used to adjust the contrast of the picture. Drag the cursor to set.
	This setting is used to adjust the hue of the picture. Drag the cursor to set.
	This setting is used to adjust the colour of the picture. Drag the cursor to set.

7.4.7 PTZ INTERFACE

ICON	DESCRIPTION
	This is used to position the connected dome camera. The central button “ <i>U</i> ” is not used.
	Not used
	This is used to recall a previously stored presetting. Enter the preset number to be recalled and click on ▶ .
	This is used to adjust the zoom of the connected dome camera. Press “+” and “-” to adjust.
	This is used to adjust the focus of the connected dome camera. Press “+” and “-” to adjust.
	This is used to adjust the iris opening/closing of the connected dome camera. Press “+” and “-” to adjust.

7.4.8 MANAGEMENT/CONFIGURATION BUTTONS

ICON	DESCRIPTION
	This is used to disconnect the web interface.
	This is used to access the <i>LIVE</i> interface.
	This is used to access the playback interface.
	This used to access the system configuration menu.
	This is used to access the DVR recorded events interface.

7.4.8.1 Logout

Click on  to log out from the web interface correctly.
The following dialog will appear:

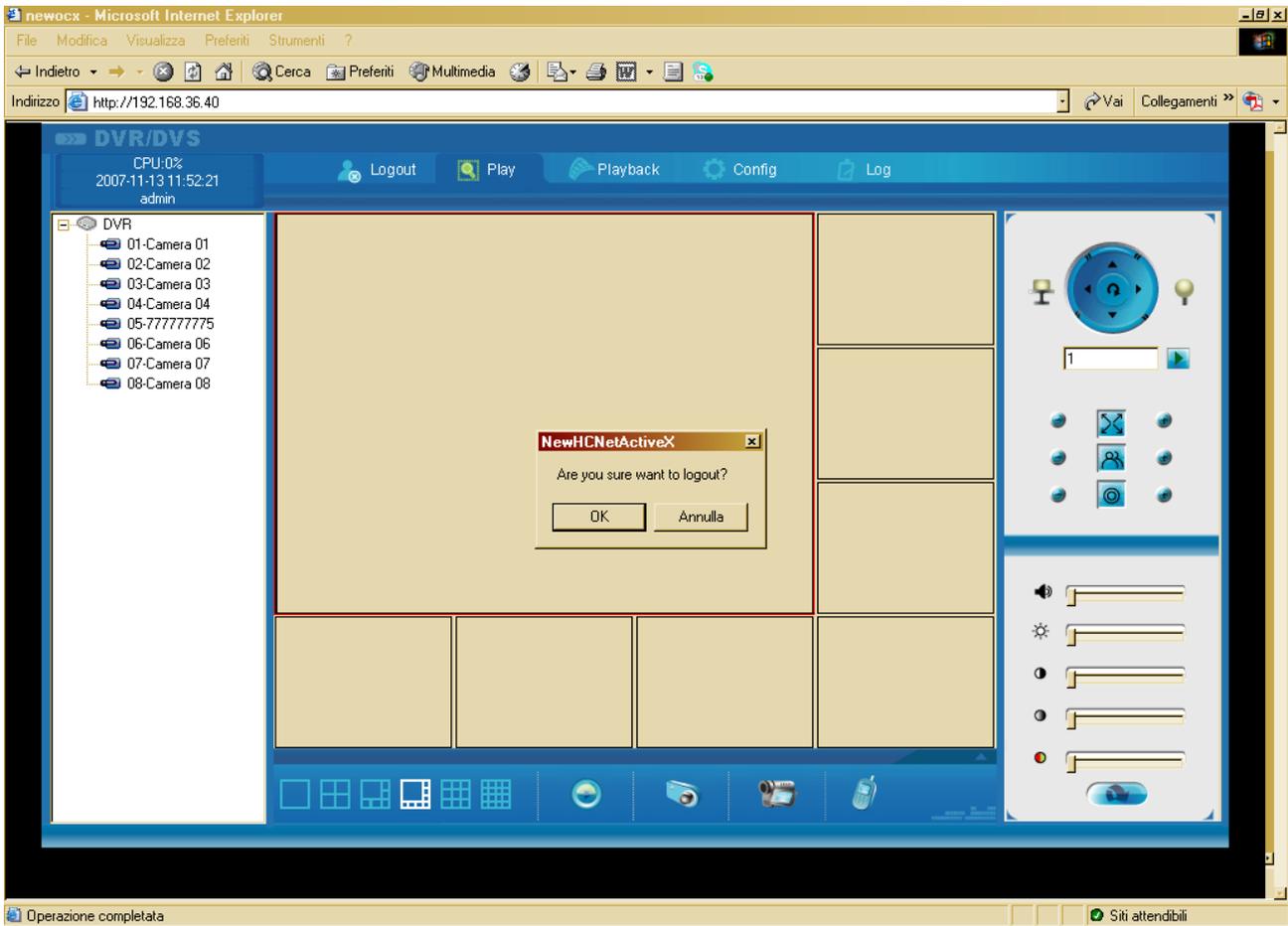


Figure 57: logout dialog

Select "OK" to confirm: all active connections will be automatically closed. Otherwise, click on "Cancel".

7.4.8.2 Live (Play)

Click on  **Play** to access the *LIVE* interface.
The following screen will appear.

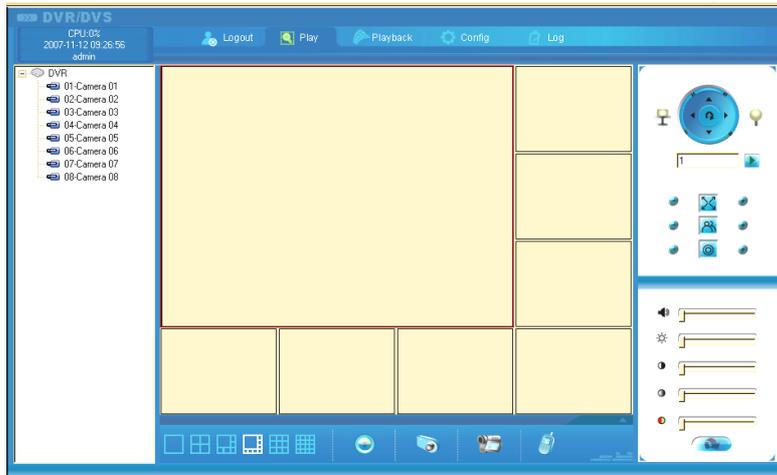


Figure 58: LIVE interface

This interface may be used to:

- select the preferred viewing mode
- stop/start all available video channel connections
- stop/start single video channel connection
- acquire a snapshot of the selected LIVE video channel (red box).
- start/stop recording of the selected LIVE video channel (red box).
- establish a two-way voice connection with the connected DVR
- manage volume, brightness, contrast, hue and colour parameters for each of the connected video channels
- manage PTZ cameras using the PTZ interface.

IMPORTANT NOTE

The selected video channel is the one with the red box in the view grid not the one shown in the channel status interface.
The selected video channel can be displayed full screen by double clicking on it.
In order to disable the full screen mode, double-click again.

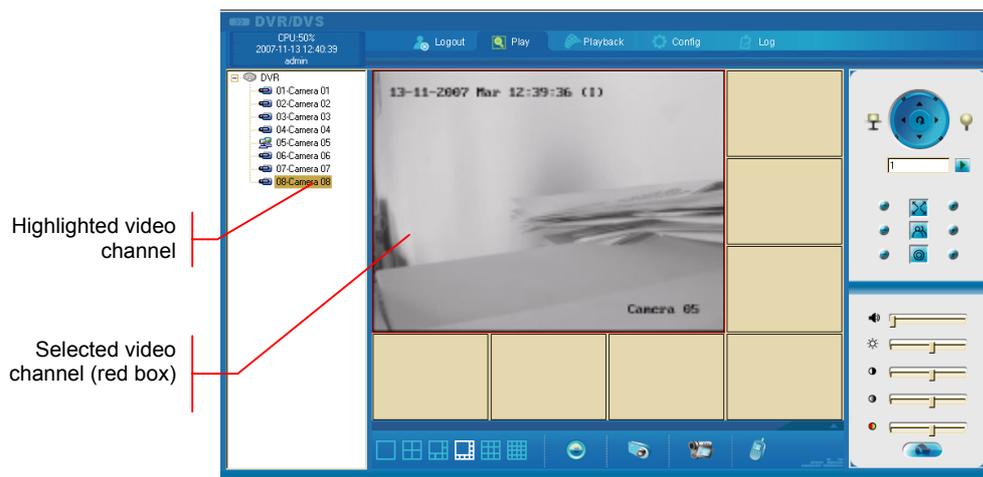


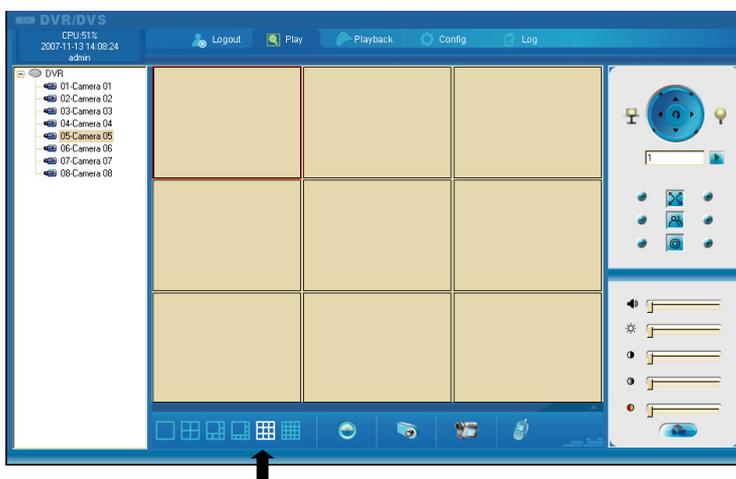
Figure 59: selected channel

Example of one video channel connection

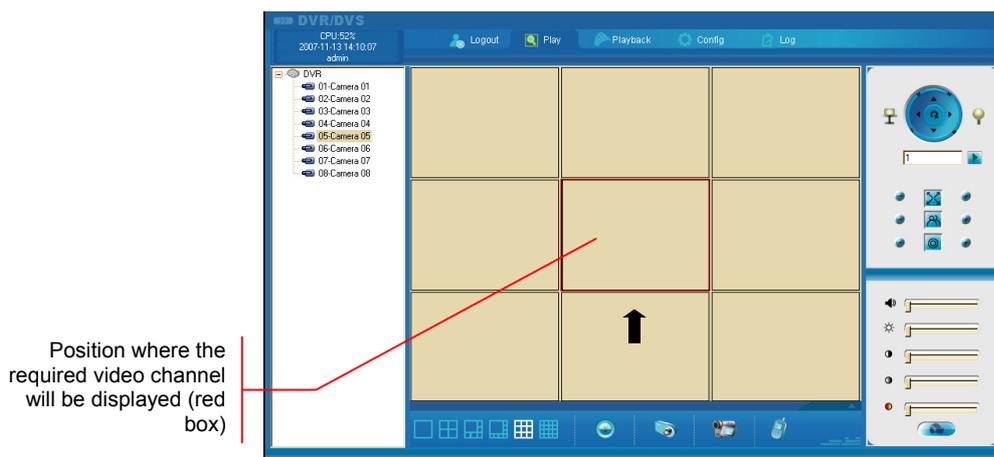
After logging in successfully you can connect to the available video channels.

Procedure

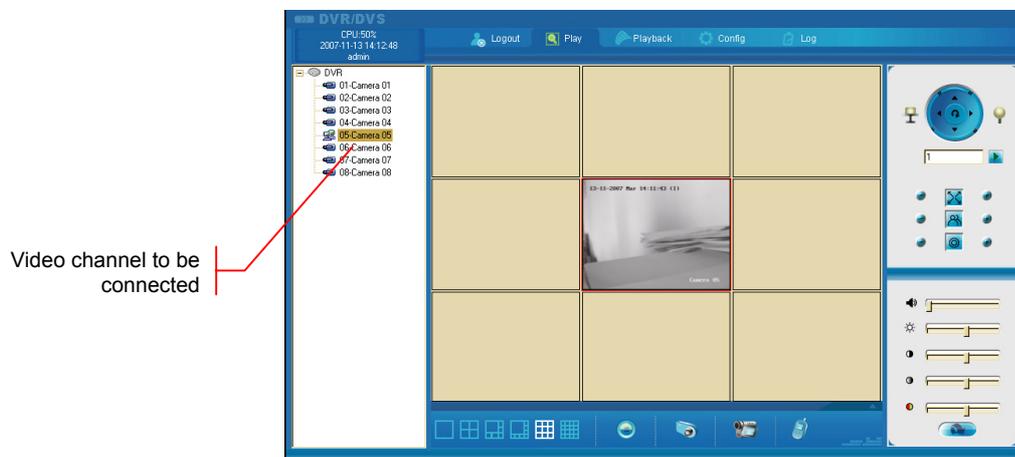
1. The DVR and video channel status interface shows the available channels and the corresponding names by the side of the  icon.
2. Select the preferred viewing mode with the buttons.



3. Left-click in the grid portion where to view the required video channel to select.



4. To establishing the connection, double click on the required video channel in the video channel status interface:
Once the video connection is established, the icon  will turn into .

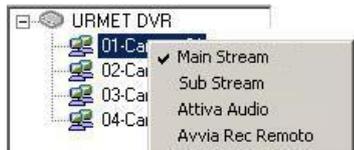


IMPORTANT NOTE

By default, video connections are set-up using "Main stream". To use "Sub-stream", refer to point n.6 explained below.

Adjust the viewing parameters by means of the dedicated interface.

5. Right-click on the concerned video channel to open the following menu.



for setting the following parameters for each channel:

- *Main Stream* → main video stream (best quality and highest bandwidth)
- *Sub Stream* → secondary video stream
- *Attiva audio* → to open the sound channel [only if sound transmission is available and "VIDEO & AUDIO" stream mode is selected in the system configuration menu]
- *Avvia Rec Remoto* → to activate the Manual Recording on the DVR's HDD

Right-click on the device to open the following menu.



for setting the following parameters:

- *Tutti Main Stream* → main video stream (best quality and highest bandwidth)
- *Tutti Sub Stream* → secondary video stream

6. Double click on the video signal to stop the connection: will appear again.

7.4.8.3 Playback

In addition to *LIVE* channels, the Internet Explorer interface has a section for displaying recordings stored on the remote DVR, or on the PC in the folder C:/mpeg4record, which may be used without needing to shut down the *LIVE* channels. This interface is capable of displaying up to 4 recordings at the same time. The recordings can be managed and saved onto the local PC.

Click on to access the *Playback* interface.

The following screen will appear.

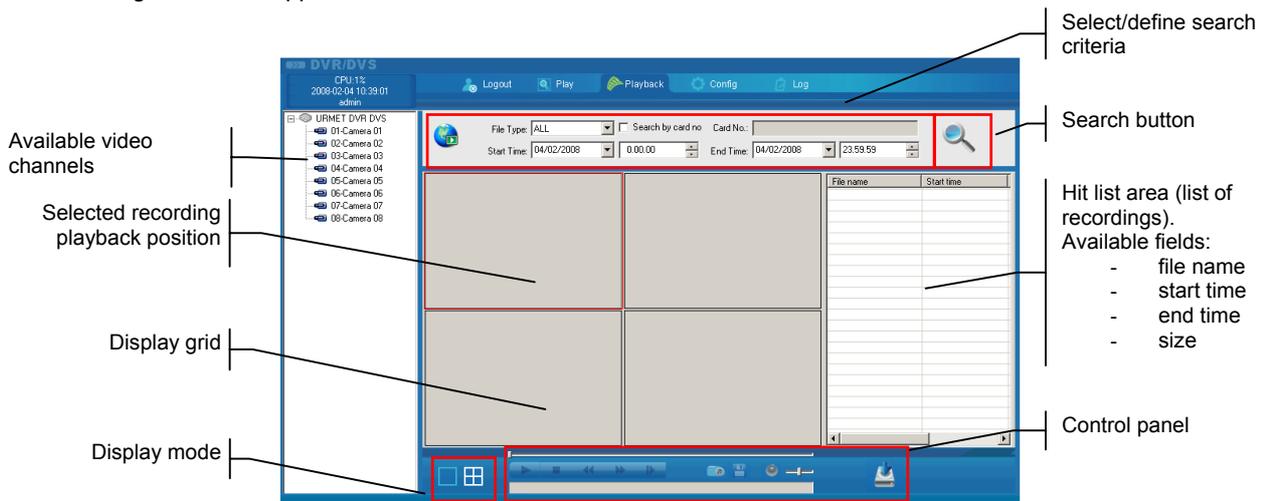
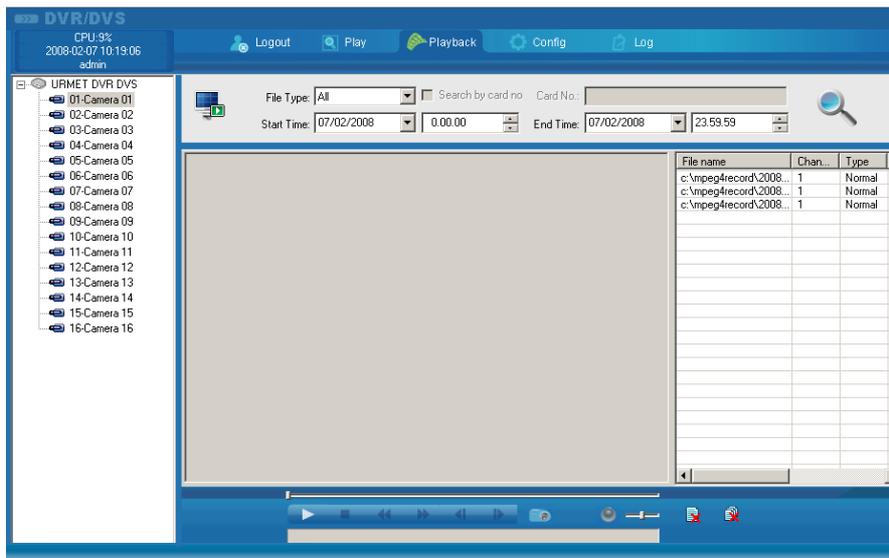


Figure 60: playback interface

The following will appear after selecting the search criteria as described above:



You can start playing the recording back after ending the search operation of the selected video channel recordings successfully.

Procedure

1. Select the preferred viewing mode.
2. Select the position of the box for playing the recording (left click).
3. Locate and select the file to be played.
4. Double click to start playback.
5. Use the control panel functions for optimal playback management.
6. Start other recordings (up to a maximum of 4).

7.4.8.3.1 Control panel

The control panel buttons will become active during *PLAYBACK*. The functions are described below.

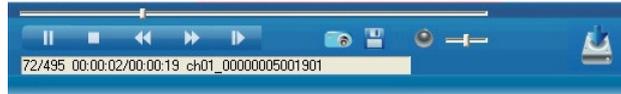


Figure 62: control panel detail

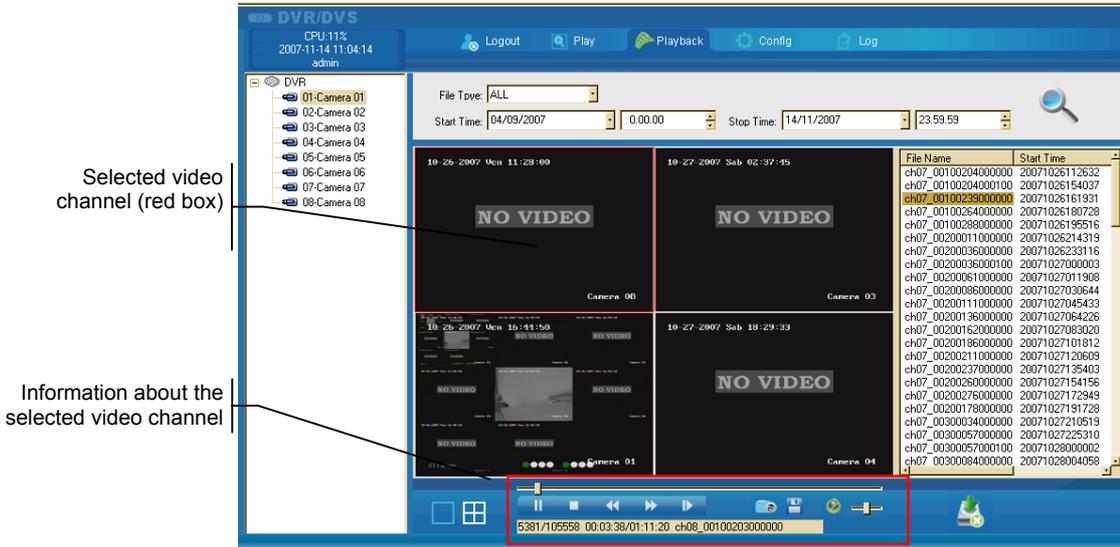


Figure 63: control panel and selected channel

IMPORTANT NOTE

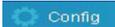
The control panel shows the functions related to the selected video channel.

The selected video channel is the one with the red box in the view grid not the one shown in the channel status interface.

KEY	DESCRIPTION
	Scroll bar. This function is used to control playback of the selected recording. Drag the cursor to play forward or backward to choose from where to start the recording.
	Freeze frame. Press the button again to resume playback.
	Playback stop button (goes back to starting point).
	This allows to reduce the picture playback speed by setting frame rates lower than 25fps. Press to resume playback.
	Fast forward button. This is used for playing picture forward at different speeds. Press several times to change the speed. Press to resume playback at normal speed.
	This plays forwards frame-by-frame.
	This allows to acquire a snapshot of the selected video channel (red box). The acquired image may be saved by default in the C:\Picture folder in bitmap format.
	This is used to save part of the recording being played back to PC. The recording which will be saved is the one with the red box (to which the control panel refers). will appear during the saving operation. Press the button again to end playback. The acquired video is saved in mp4 format in the folder chosen by the user.
	This adjusts the volume during <i>PLAYBACK</i> (if the recording was made in VIDEO + AUDIO mode). Drag the cursor to adjust volume.

	<p>This is used to save one or more files to PC (search results). The acquired video is saved in the folder c:\filedownload in mp4 format.  will appear during the download. The message "download completed!" will appear at the end of the download.</p>
	<p>This window displays information on the file being played.</p> <div style="border: 1px solid black; padding: 2px; margin: 10px 0;">5381/105558 00:03:38/01:11:20 ch08_00100203000000</div> <p>where:</p> <div style="margin-left: 20px;"> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">5381/105558</div> → played frames / total frames <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">00:03:38/01:11:20</div> → played time /total time <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">ch08</div> → video channel <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">_00100203000000</div> → file ID </div>

7.4.8.4 Config

Click on  to remotely access the system configuration menu.
 The following screen will appear.

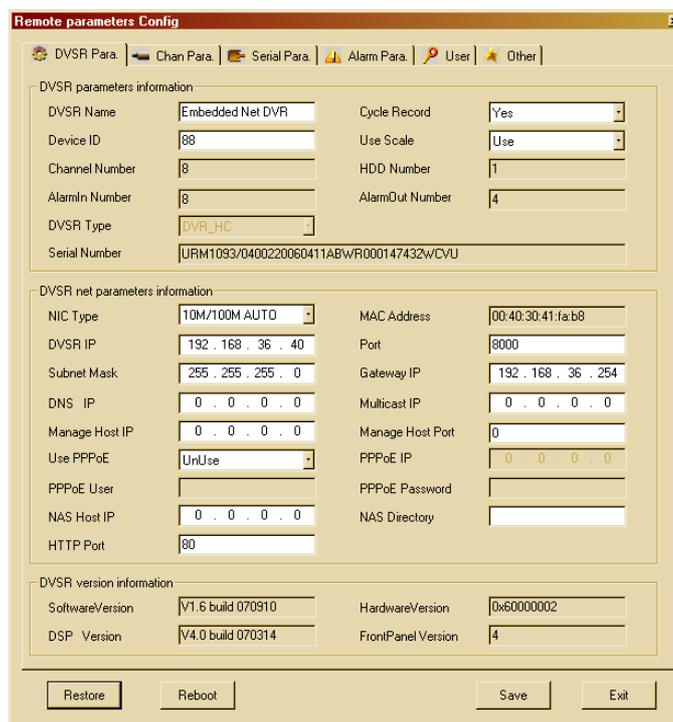


Figure 64: remote system configuration interface

The following interfaces are present:

- **DVSR Para.**
- **Chan Para.**
- **Serial Para.**
- **Alarm Para.**
- **User**
- **Other**

7.4.8.4.1 DVR parameter configuration (DVSR Para)

This interface is used to display, configure and edit the DVR configuration settings. The following areas are present:

- *DVSR parameters information*
- *DVSR net parameters information*
- *DVSR version information*

DVSR parameters information

This area is used to intervene on the following parameters:

- *Server Name* → a name can be assigned to the device (up to 32 characters)
- *Device ID* → an address can be assigned to the device (value from 1-255)
- *Cycle Recorder* → This sets the recording mode to be used when the hard disk capacity is full. Select “**YES**” to activate overwrite mode: the recording will overwrite previously stored information. Select “**NO**” to stop the recording when maximum capacity is reached. This is similar to the “Full Hard Disk”.
- *Use Scale* → it is possible to select adapt (**Use**) or not (**Unuse**) the DVR output display to the screen being used. Similar to the “Adapt to monitor” function.

The following features may be displayed only:

- *Channel Number* → channel number of the device
- *Alarm In Number* → number of available alarm inputs
- *DVSR Type* → device type
- *Serial Number* → serial number of the device
- *HDD number* → number of hard disk in the device
- *Alarm Out Number* → number of available alarm outputs

DVSR net parameters information

This area may be used to display and manage the following Ethernet parameters for connecting the device (it shows the same parameters present in the NETWORK menu):

- *Nic Type* → network connection type
- *MAC Address* → hardware network address of the device (not editable)
- *DVSR IP* → DVR IP address
- *Subnet Mask* → subnet mask of the device
- *Gateway IP* → IP gateway address of the device
- *DNS IP* → DNS address of the device
- *Multicast IP* → multicast IP address of the device
- *Manage Host IP* → Remote host IP address
- *Manage Host Port* → number of the port used for event server transmission
- *Use PPPoE* → for selecting/deselecting the PPPoE function
- *PPPoE IP* → PPPoE IP address
- *PPPoE User* → user name for PPPoE authentication
- *PPPoE Password* → password for PPPoE authentication
- *NAS Host IP* → currently not available
- *NAS Directory* → currently not available

IMPORTANT NOTE

All parameters on white background can be edited, except for *Multicast IP*, which corresponds to the DVR setting, and which may only be edited by a user logged on as *administrator* to the device OSD.

DVSR version information

This area is used to display information related to software versions, hardware, encoders, etc. The data cannot be edited

7.4.8.4.2 Video channel configuration (Chan Para)

This interface may be used to display and edit DVR video channel configuration settings as the OSD menu.

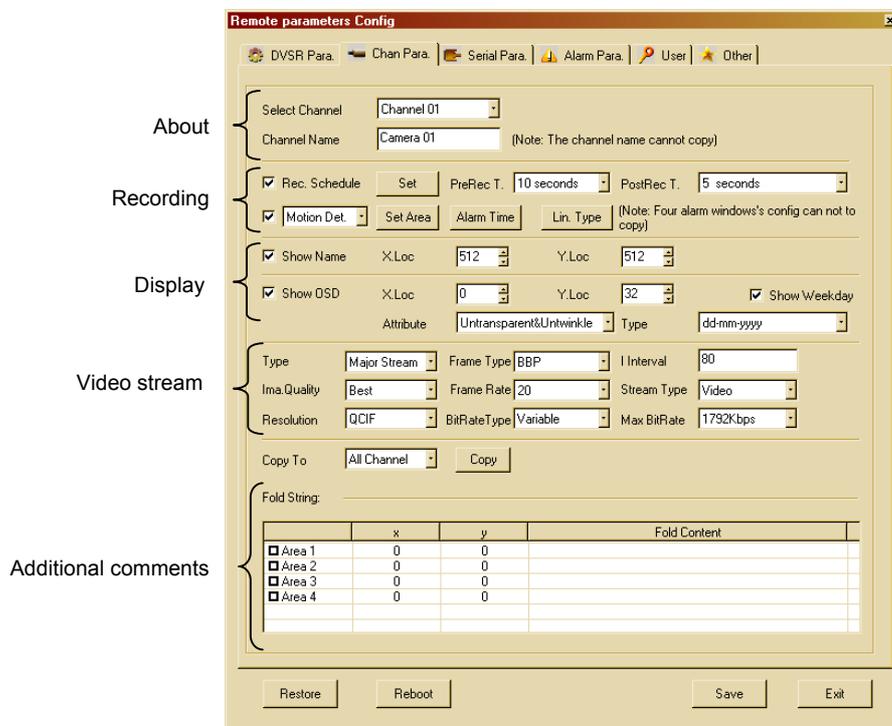


Figure 65: single video channel configuration interface

The following areas are present:

- *Informations* (this shows some configuration parameters shown in the OSD – CAMERA MENU)
- *Recording* (this shows some configuration parameters shown in the OSD - RECORDING menu)
- *Preview* (this shows some configuration parameters shown in the OSD – DISPLAY MENU)
- *Video stream* (this shows some configuration parameters shown in the OSD - RECORDING menu)
- *Additional comments*

Informations

This area may be used to set the name of the video channel in the “*Select Channel*” field. The name is a 32 character combination.

RECORDING

This section can be used to configure the various recording modes.

1. *Rec Schedule* → scheduled recording
2. *Motion det* → recording after a motion detection alarm
3. *Video Lost* → recording after loss of video signal
4. *View tamp* → recording with privacy zones
5. *Privacy mask* → recording after a video tampering alarm

1. Rec. Schedule (scheduled recording)

Select the "Rec. Schedule" field and set the scheduled recording parameters.

- *Pre Rec Time* → in case of alarm, the recording will also contain the video feed prior to the alarm for the set time.
- *Post Rec Time* → in case of alarm, the recording will also contain the video feed after to the alarm for the set time.

Select "Set" to access the scheduling setup interface.

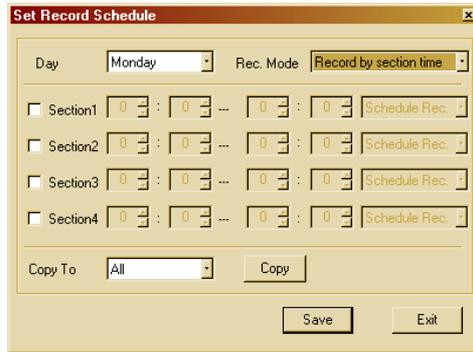


Figure 66: programming setup interface

The parameters are the same as those of the OSD menu.

2. Motion Det (recording after a motion detection alarm)

Select the "Motion Det" field to set the parameters related to recordings following motion detection alarms.

The following interfaces may be accessed to set this type of alarm:

- *Set Area* → motion detection area setup
- *Alarm Time* → hourly scheduling
- *Lin. Type* → notification type

Select "Set Area" to access the motion detection setup interface.



Figure 67: motion detection setup interface

Motion detection zones creation procedure

1. Select the “Set Area” field.
2. Press “Ctrl” on the PC keyboard and at the same time create the required zone by dragging with the mouse. Release “Ctrl” at the end of the operation.
3. To create a new motion detection zone, press “Ctrl” again and at the same time create a new zone by dragging the mouse. Release “Ctrl” at the end.
4. Select “Display area” to display the created zones.
5. Set the required level of sensitivity.
6. Press “Save” to save the settings.
7. Press “Exit” to quit the interface.

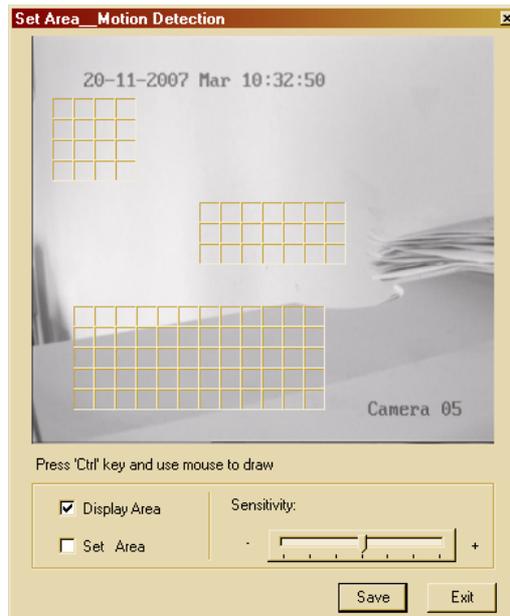


Figure 68: creating and displaying motion detection zones

IMPORTANT NOTE

The remotely created motion detection areas imply removal of areas previously created on the DVR and vice versa.

Click on “Alarm Time” to access the recording time interface:

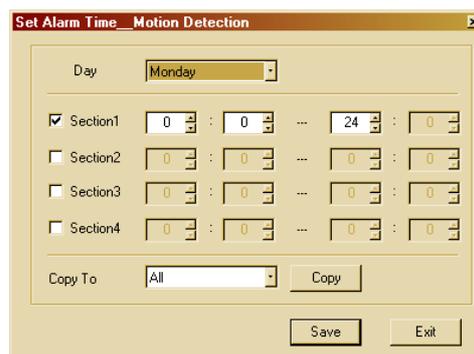
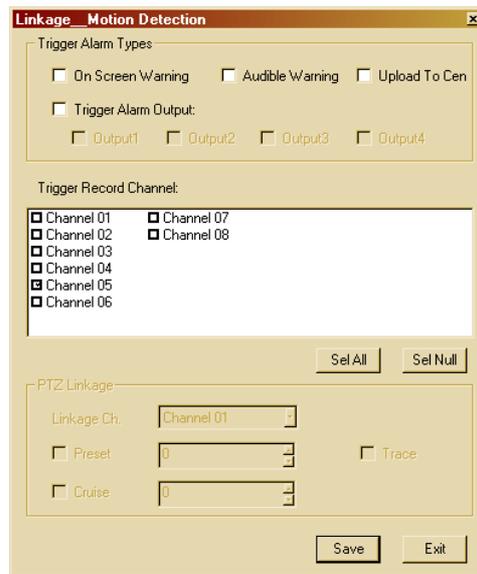


Figure 69: motion detection recording time interface

Click on “*Lin. Type*” to display the following window for setting the type of notification required following an alarm.



3. Video Lost (recording after loss of video signal)

Select the “*Video Lost*” field to set the parameters related to recordings following video loss alarms. The following interfaces may be accessed to set this type of alarm:

- *Alarm Time* → hourly scheduling
- *Lin. Type* → notification type

4. View Temp (recording after a video blackout alarm)

Select the “*View Temp*” field to set the parameters related to recordings following tampering alarms. The following interfaces may be accessed to set this type of alarm:

- *Set Area* → motion detection area setup
- *Alarm Time* → hourly scheduling
- *Lin. Type* → notification type

5. Privacy Mask (recording with privacy zones)

Select the “*Privacy Mask*” field to set the parameters related to recordings with privacy zones. The following interfaces may be accessed to set this type of alarm:

- *Set Area* → motion detection area setup

Preview

This area is used to display and customise the position of the following parameters (using Cartesian “X,Y” coordinates):

1. *Show Name* → name of selected video channel
2. *Show OSD* → current data and time
3. *Show Week day* → day of the week

IMPORTANT NOTE

The origin “0,0” is located on the top left of the screen and refers to the first entered character.

Video stream

This area is used to set the video stream parameter of each video channel:

1. *Type* → flow type
This section is used to configure the data/video or primary/secondary audio/video streams.
Thanks to this distinction and to the independent primary and secondary stream, you can for example record at very high resolution, quality and frame rate on hard disk while transmitting a video stream at qualitatively lower level on the network with the advantage of occupying little band space and requiring few resources to be decoded by the PC on which the view software is started.
2. *Ima. Quality* → image quality
3. *Resolution* → resolution
4. *Frame Type* → required frame rate type
5. *Frame Rate* → frame rate
6. *Bit Rate Type* → bit rate type
7. *Interval* → video stream reference frame range
8. *Stream Type* → steam type
9. *Max Bit Rate* → maximum bit rate

Additional comments

This area may be used to enter up to 4 additional comments for each video channel which may be displayed on the screen.

Procedure

1. Select the required area by entering the corresponding flag.
2. Enter the starting "X-Y" coordinates.
3. Double click in the "*Fold Content*" field and enter the comment.

7.4.8.4.3 Serial port configuration (Serial Para)

This interface is used to display and edit the RS232 and RS-485 serial port configuration.

The screenshot shows the 'Remote parameters Config' window with the following settings:

- RS232 Config:**
 - Baud Rate: 115.2k
 - Data Bits: 8
 - Stop Bits: 1
 - Check: No check
 - Flow Ctrl: None
 - Mode: Console
 - PPP Mode: (empty)
 - CallB. Mode: (empty)
 - User: (empty)
 - Password: (empty)
 - Remote IP: 0 . 0 . 0 . 0
 - Verify Psw: (empty)
 - Local IP: 0 . 0 . 0 . 0
 - Mask IP: 0 . 0 . 0 . 0
 - Phone: (empty)
 - Data Encryption
 - Call Back
- RS485 Config:**
 - Channel Num: Channel 01
 - Baud Rate: 9600
 - Data Bits: 8
 - Stop Bits: 1
 - Check: No check
 - Flow Ctrl: None
 - PTZ Type: Pelco-D
 - PTZ Address: 0
 - Copy To: All Channel

Buttons at the bottom: Restore, Reboot, Save, Exit.

Figure 70: serial port parameter configuration

The following areas are present:

- *RS232 Config* (this shows the same configuration parameters as the OSD - RS232 menu)
- *RS485 Config* (this shows the same configuration parameters as the OSD - PTZ menu)

7.4.8.4.4 Alarm parameter configuration (Alarm Para)

This interface is used to display and edit the configuration parameters for each alarm.

The screenshot shows the 'Remote parameters Config' window with the following settings:

- Alarm Input:**
 - Alarm Input: Alarm input 01
 - Alarm Name: (empty)
 - Alarm Type: Always Open
 - Deal With: Alarm Time, Lin. Type
 - Copy To: All alarm input
- Alarm Output:**
 - Alarm Output: Alarm output 01
 - Alarm Time: (empty)
 - Delay Time: 5 seconds
 - Copy To: All alarm output
- Exception Config:**
 - Exception Type: HDD full
 - On Screen Warning
 - Audible Warning
 - Upload To Center
 - Trigger Alarm Output:
 - Output1
 - Output2
 - Output3
 - Output4

Buttons at the bottom: Restore, Reboot, Save, Exit.

Figure 71: alarm input configuration

The following areas are present:

- Alarm Input
- Alarm Output
- Exception Config

Alarm Input

The parameters are the same as those of the OSD –ALARMS menu.

Select “Deal With” and click on “Alarm Time” to open the following page:

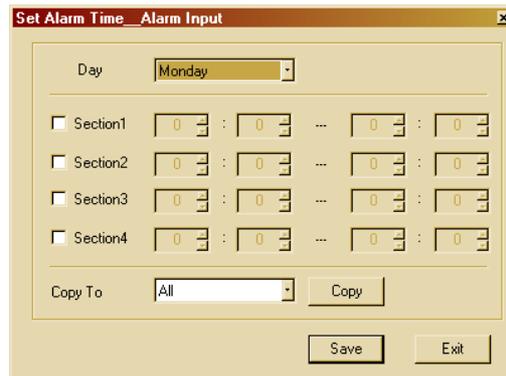


Figure 72: alarm input programming

Click on “Lin. Type” to display the following window for setting the type of notification required following an alarm.

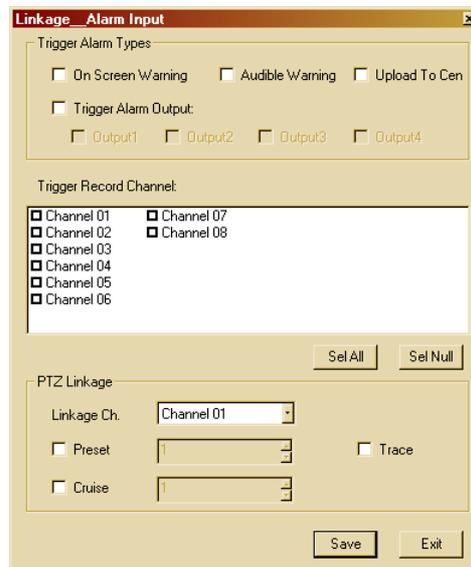


Figure 73: notification settings

The “PTZ Linkage” area only contains the “Linkage Ch” and “Preset” fields.

- “Linkage Ch” is used to select the camera to be combined to the selected alarm input.
- “Preset” is used to enter the preset number to be performed.

Alarm Output

The parameters are the same as those of the OSD -ALARMS menu.

Click on “*Alarm Time*” to open the following window:

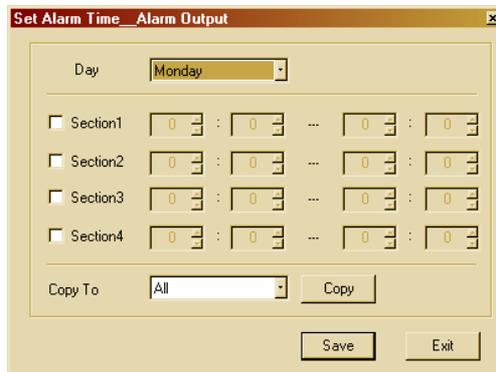


Figure 74: alarm output programming

Exception Config

Access this area to configure warnings following particular events.

A warning may be set for each of the following events:

- *HDD Full* (hard disk full)
- *HDD Error* (hard disk error)
- *Modem no connect* (network fault)
- *IP Collision* (conflicting IP addresses)
- *Illegal Call On* (illicit access)
- *Input / Output mode different* (NTSC/PAL)

The type of warning can be set for each of the events above.

Possible options are:

- *On screen warning* (not available)
- *Audible warning*
- *Upload to center*
- *Trigger alarm output*

Audible warning

An acoustic notification will be generated, also if the buzzer is inhibited.

Upload to center

The alarm notification is sent to a server (PC) whose IP address is set in “*RETE*” → “*Remote host IP*” menu.

Trigger alarm output

Notification is sent to one or more outputs, according to the selection, such as for example sirens, flashers, etc.

7.4.8.4.5 User configuration (User)

This interface is used to display, add and cancel users authorised to access the DVR and edit the corresponding authorisations.

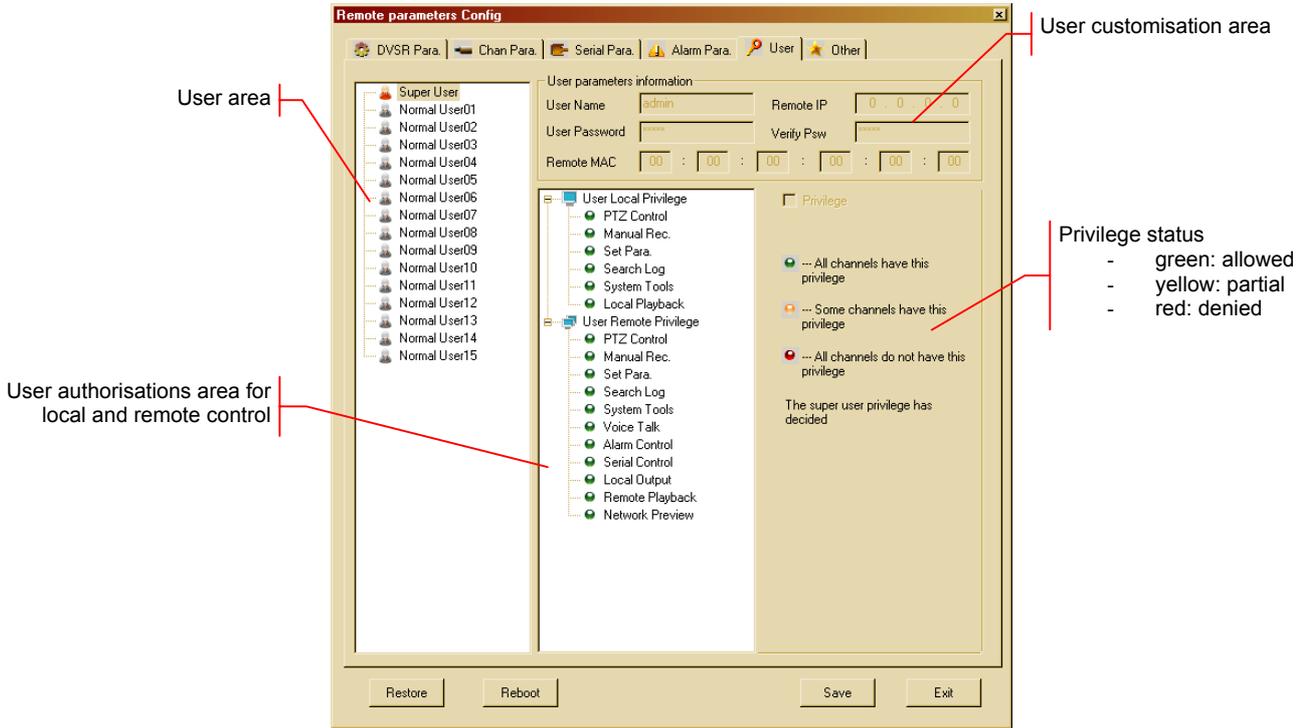


Figure 75: user customisation interface

The administrator (Super User) may create up to 15 users and define privileges for local and remote DVR access.

Adding a new user

Point to “Normal User” and click on the right-hand mouse button. A shortcut menu will appear: select “Modify” as shown below:

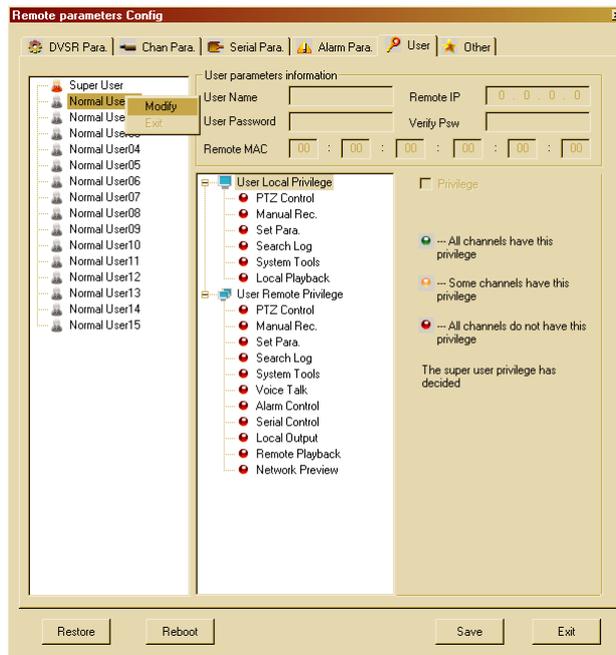


Figure 76: adding a new user

The user customisation area will be opened at this point:

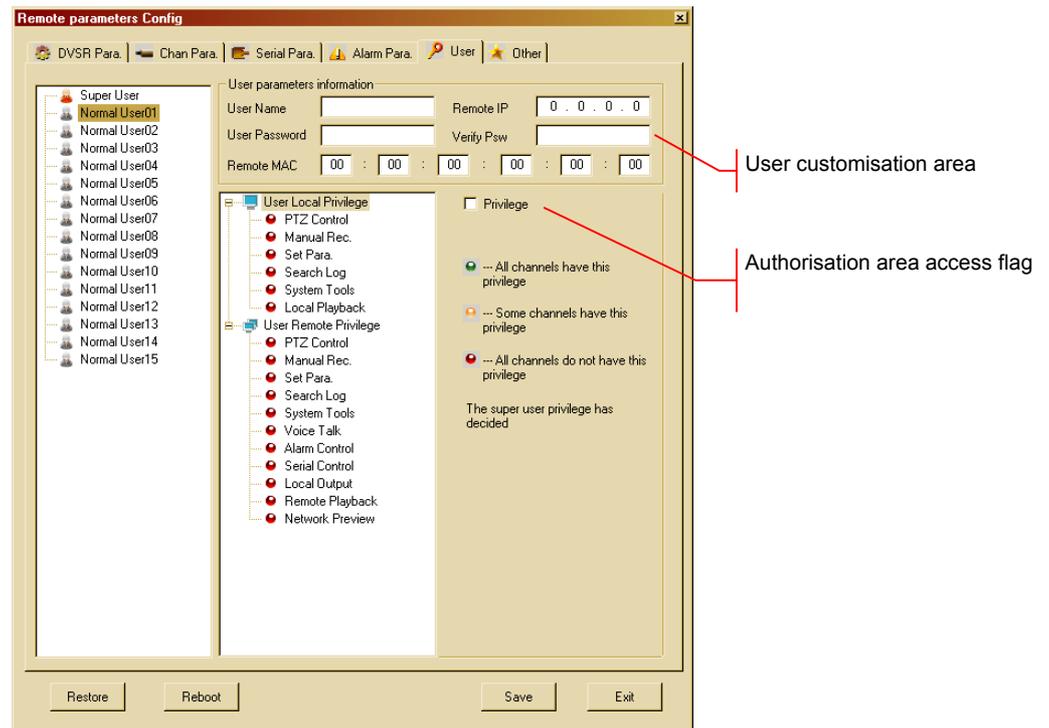


Figure 77: user customisations

This area is used to enter the following information:

- *User Name* → name of the new user
- *Remote IP* → IP address of the PC used for connecting
- *User Password* → password of the new user
- *Verify Psw* → new password check
- *Remote MAC* → MAC number (not editable) for connecting

The “Remote IP” and “Remote MAC” fields are further safety restrictions.

IMPORTANT NOTE

- Only numeric passwords if new users are programmed in local mode (i.e. using the front panel of the DVR). Alphanumeric passwords may be created using the software.
- It will not be possible to access the device in local mode (i.e. using the front panel) if an alphanumeric password is chosen.
- For safety reasons, the password is case-sensitive.

Customising privileges

Check the “*Privilege*” field to customise user privileges.

Click on each item in the user privileges area to configure the customisation. Coloured icons indicate if privileges are granted or not.

- green → authorisation granted
- yellow → partial authorisation (“*Remote Playback*” and “*Network Preview*” only)
- red → authorisation denied

The items “*Remote Playback*” and “*Network Preview*” can be used to further customise each channel, as shown below.

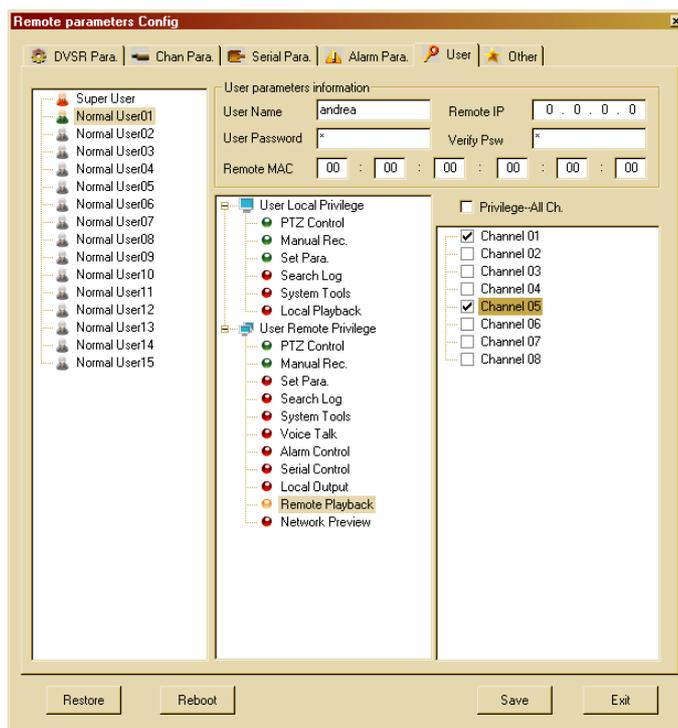


Figure 78: authorisation customisation

Check “*Privilege - All Ch*” to select all channels at the same time.

Deleting a user

Proceed as follows to delete a user:

- select the user
- right click
- select “Delete” from the shortcut menu.

7.4.8.4.6 Utilites (Other)

This interface is used to upgrade or format the installed hard disks.



Figure 79: utility interface

The following areas are present:

- *Remote Upgrade*
- *Format Hard Disk*

Remote Upgrade

This area is used to upgrade the firmware of the device.

The parameters are the same as those of the OSD - Utilità - Aggiornare menu.

IMPORTANT NOTE

Periodically check the URMET Domus SpA Customer Service Technical Area for firmware upgrades.

Format Hard Disk

This area is used to format the hard disks installed on the system individually.

The parameters are the same as those of the OSD - Utilità - Hard Disk menu.

Select the disk to be formatted in the “hard disk” field and select “Format”.

The advancement of the operation is shown in the field “Format State”.

IMPORTANT NOTE

No other operations can be performed on the disk being formatted during the formatting process.

7.4.8.5 Log

Click on  to access the DVR log interface.
The following screen will appear.

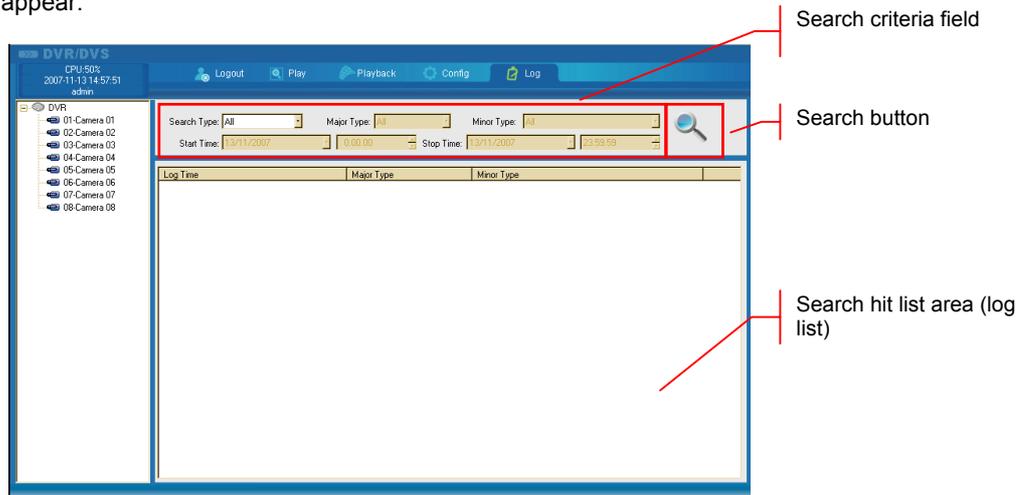


Figure 80: log interface

This interface may be used to search and display the DVR events according to the following search criteria:

- All
- *By type* → the primary and secondary event type
- *By time* → the start/end date and time of the event
- *By type & time* → the primary and secondary event type and the start/end date and time of the event

After selecting and setting the search criteria, click on  to start the search.
The following screen will appear.

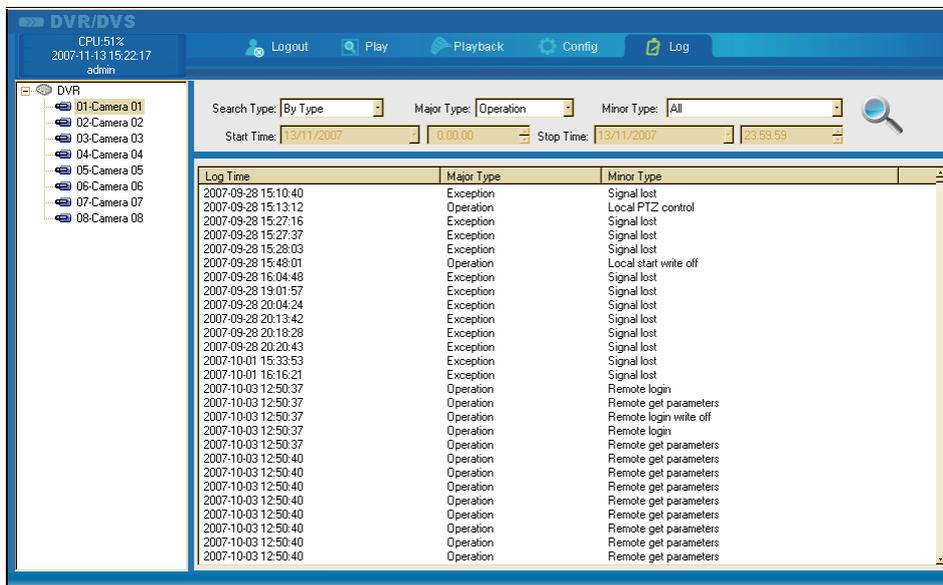


Figure 81: DVR log hit list

8 FILE PLAYER SOFTWARE USE

It is advisable to install *File Player* on the PC with the *Urmet NVM* software. Use this program to play any recording, in proprietary format, saved on the hard disk of the PC (the recording default folder is C:\DVR) or to play the DVR backups on the USB drive. Recorded files have “.mp4 or .264” extension.

8.1 MAIN WINDOW AND DESCRIPTION OF SOFTWARE

To start the program, select as follows on the PC:

“START” → “PROGRAMS” → “URMET DVR DVS CLIENT” → “FILE PLAYER”.

Otherwise double-click on the icon on the desktop .

The following window will appear:

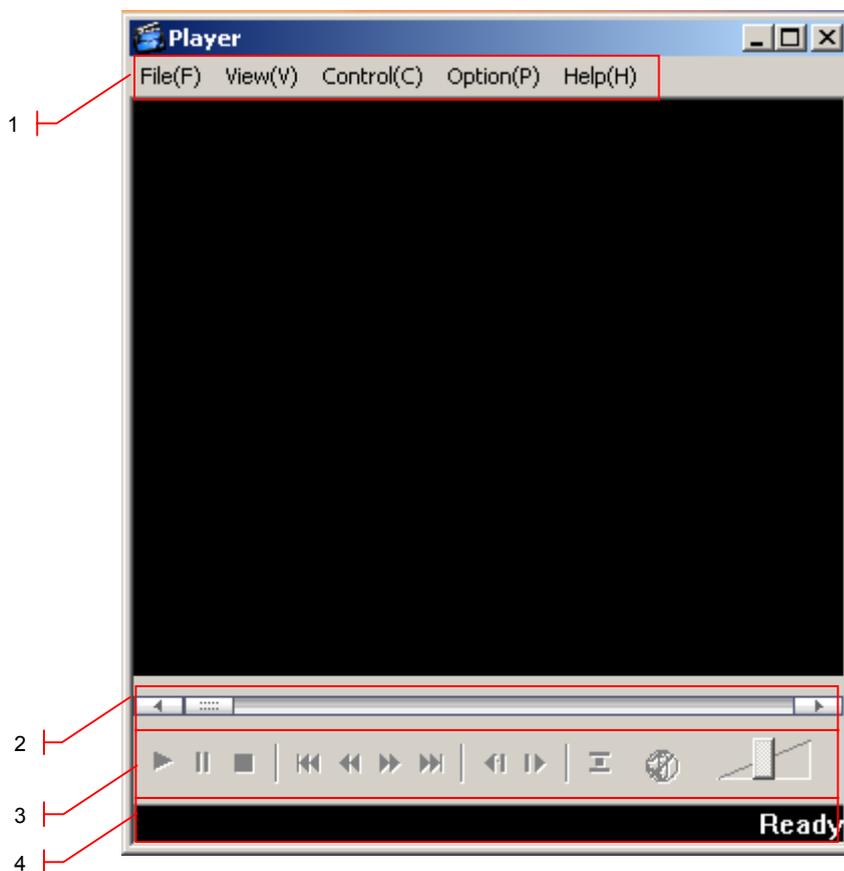


Figure 82: Urmet File Player software main page

ID	DESCRIPTION
1	Menu bar
2	Scroll bar
3	Control buttons
4	Playback interface

8.1.1 MENU BAR

This is used to access advanced software functions.

8.1.2 SCROLL BAR

This function is used to control playback.

Drag the cursor to play forward or backward. Use "II" to select where to start the recording.

8.1.3 CONTROL BUTTONS

BUTTON	DESCRIPTION
	Play button
	Still button; press again resume playback.
	Stop button. Press  to resume playback.
	Point indicator to start of playback.
	Reduces playback speed at a frame rate slower than 25fps.
	This is the fast forward button for playing picture forward at different speeds. Press several times to change the speed. Press  or  to start playback.
	Point indicator to end of playback.
	This is used to play the pictures back frame by frame.
	This is used to play the pictures forwards frame by frame.
	This is used to save a .bmp image in the same folder as the video file.
 	This enables/disables audio during playback (video + audio mode). Drag the cursor to adjust volume.

8.1.4 PLAYBACK INTERFACE

Playback information is shown in this field.

STATUS	DESCRIPTION
Ready	This appears when the software is started: it indicates that playback is ready.
Stop	This appears after  is pressed.
speed normal	Indicates the recording speed.
61/21064 00:00:02/00:14:02	This appears during playback displaying information on the file being played: <ul style="list-style-type: none"> > 61 number of played frames > 21064 total number of frames > 00:00:02 time elapsed (HH:MM:SS) > 00:14:02 total playback time (HH:MM:SS)

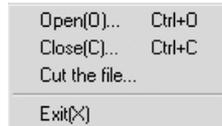
8.2 ADVANCED SOFTWARE FUNCTIONS

Use the menu bar to access *Urmet File Player* software advanced functions:



8.2.1 FILE (F)

The "FILE" menu includes the following items:



8.2.1.1 Open

This is used to open the file to be played.

8.2.1.2 Close

This stops and quits playback.

8.2.1.3 Cut the file

This is used to save a portion of the played file. Establish start and end of the segment using the following criteria:

- frame
- elapsed time

The following screen will appear when this option is selected:

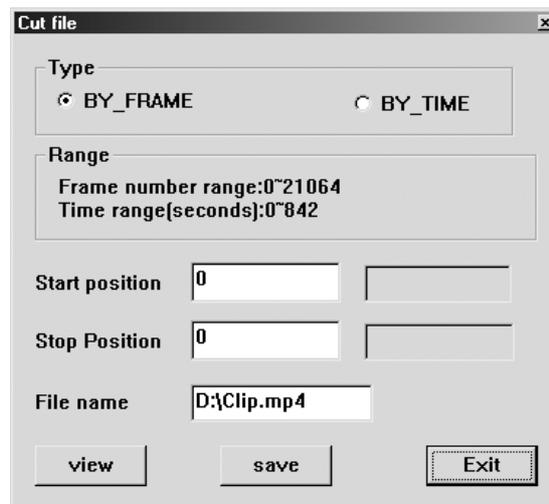


Figure 83: video portion saving interface

8.2.1.4 Exit

This is used to quit *Urmet File Player*.

8.2.2 VIEW (V)

The "FILE" menu includes the following items:



8.2.2.1 Fullscreen

Select this option to go to full screen mode. Double click to go back to the previous view mode.

8.2.2.2 Video size

This option can be used to select the zoom level of the current view. Three options are available: 50% - 100% - 200%.

8.2.2.3 Information

Select this option to view the main information on the file being played.

8.2.2.4 Watermarking

The DVR DVS *Watermarking* function is used to certify that the playback was actually recorded by the device. This function is automatically applied and allows to verify that the file containing the DVR video recording was not tampered with and to unquestionable determine the source of the file (i.e. the device and the corresponding video input) because these signals are 'hidden' in the H.264 compressed video signal.

This information may be extracted at any time from the recording file during playback to PC using the "File Player" function and the steps shown below.

Step 1

Open the concerned file using "File Player".

Step 2

Select "*WaterMark*" during playback. A window similar to the one below will appear:



Figure 84: watermarking information

Displayed information:

- The Mac address of the recording device (which can be checked in the "Network" menu)
- The serial number of device (which can be checked by pressing "F2")
- The video channel of the recording
- The starting date and time of the recording
- Information about the device
- The device type

8.2.2.5 Multi display

Select this option to activate multi display mode and extrapolate a zone from the displayed image to be followed more in detail.

The following screen will appear when this option is selected:



Figure 85: multi display interface

Multi display mode can be activated either during playback or still.

Procedure for activating multi display mode during playback

- Click on "Set".
- Define the zoom level and the zone to be viewed in detail with the mouse (click and drag). The concerned zone will be enclosed in a green rectangle. Coordinates will be automatically updated.

Procedure for activating multi display mode during still

- Define the zoom level and the zone to be viewed in detail with the mouse (click and drag). The concerned zone will be enclosed in a green rectangle. Coordinates will be automatically updated.

8.2.3 CONTROL (C)

The "FILE" menu includes the following items:



8.2.3.1 Play/Pause

This plays/stops the selected video.

8.2.3.2 Stop

This stops the video being played.

8.2.3.3 Step Forward

This function can be used to play the images at various speeds. Press repeatedly to change the speed.

8.2.3.4 Step Backward

Reduces playback speed at a frame rate slower than 25fps.

8.2.3.5 Goto Start

Point indicator to start of playback.

8.2.3.6 Goto End

Point indicator to end of playback.

8.2.3.7 Locate To

Select this option to determine the point from where to start playback according to the following search criteria:

- frame
- elapsed time

The following screen will appear when this option is selected:

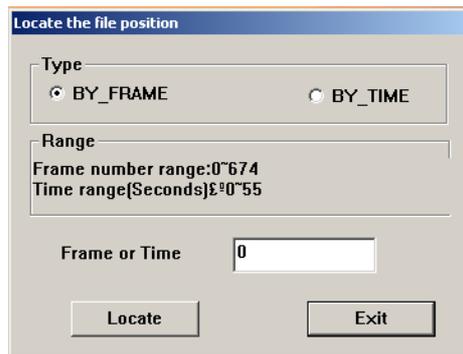


Figure 86: positioning interface

8.2.3.8 Video Control

Select this option to make the following page appear:

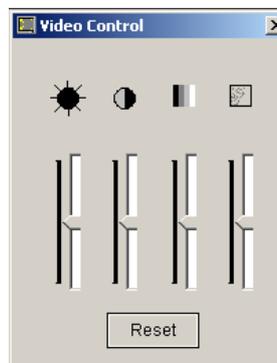


Figure 87: video control interface

This is used to adjust the picture parameters (brightness, contrast, colour, hue) by dragging the corresponding cursor or for resetting default settings by pressing reset.

8.2.3.9 Rewind

A tick will appear “√” when this option is selected. This function is used to activate cyclic playback.

8.2.4 OPTION (P)

The “FILE” menu includes the following items:



8.2.4.1 File stream input

Not currently used For future applications.

8.2.4.2 Deflash

For future applications.

8.2.4.3 High image quality

A tick will appear “√” when this option is selected. This function is used to activate high resolution view.

8.2.4.4 High Fluid

Not currently used For future applications.

8.2.4.5 Image Sharpen

This defines the sharpness of the objects contained in the image.

8.2.4.6 Throw B- frame

Select this option to establish whether type B reference frames must be analysed and therefore decoded during playback or whether it is preferable to skip one or two.

📄IMPORTANT NOTE

Select “Don’t throw” to analyse all frames to the advantage of better quality and visual fluency: in these conditions, the operation requests use of high system resources.

8.2.4.7 Decode Type

Select this menu to view in frame-by-frame mode.

8.2.4.8 Display type

Select this option to select whether to view playback using the same quality employed for recording (“*Normal*” option) or in QCIF (“*Quarter*”) quality, regardless of the source quality.

8.2.4.9 Time select

Not currently used For future applications.

8.2.4.10 Reset buffer

Select this option to reset the decoder buffer.

8.2.4.11 Capture Picture Type

This defines the saving format: .bmp or .jpeg.

8.2.4.12 Set Capture Picture Path

This defines the folder where to save the .bmp or .jpeg image.

8.2.4.13 Convert to AVI

Select this option to convert a .mp4 or .264 file into an AVI format file.

📄IMPORTANT NOTE

AVI is a standard format for playing back recordings using standard program which are already installed on most PCs (e.g. Windows Media Player, Quick Time, etc.).

View the recordings in AVI format to play them on a PC where *File Play* is not installed.

Select an encoding system (codec) from the codec list found in the software of the PC being used if you intend to save video sequences in AVI format. Use of a common codec, such as “Windows Media Player” for example is recommended. Converting films in AVI format requires considerable PC resources and slows down PC functions. Some codec programs require more resources and provide better results. Others require lower resources and generate lower quality films. Choose the codec which offers the best compromise between resource of your PC and required quality.

AVI format also occupies more space on the hard disk with respect to .mp4 or .264.format.

8.2.5 HELP (H)

Displays the software version.

9 SPECIFICATIONS (PAL FORMAT)

Item		Specifications
Product type		Triplex digital video recorder with network
Compression algorithm		H.264
Video standard		PAL (compatible with black and white cameras) H 15625 Hz / V 50 Hz
Image preview resolution		704 x 576
Recording resolution		"CIF" and "QCIF" for all channels
Display	Live	1, 4 multi screen/sequence
	Playback	1 with zoom during the playback
Video inputs		4
Video input interface		BNC (electrical level: 1.0Vpp, impedance: 75 Ω)
Video outputs		1 BNC (electrical level: 1.0Vpp, impedance: 75 Ω)
Loop video output		No
Spot video output		Yes - 1 BNC (electrical level: 1.0Vpp, impedance: 75 Ω)
Frame Rate recordings (per video channel)		"CIF" and "QCIF": 25fps
Memory		Hard disk 160 GB (default)
Stream type		Video & Audio
Bit rate per channel		32Kbps÷768Kbps
Audio inputs		Yes
Audio input interface (RCA, linear electrical level, impedance: 1KΩ, 2Vpp)		1
Audio output (linear electrical level, impedance 600Ω)		1
Audio compression rate		16 Kbps
Recording mode		Continuous - manual - upon alarm - scheduled
Search mode		Recording date/time/type of (also via software)
User control		Front panel: DVR + PTZ Remote control: DVR controls + PTZ controls Mouse: DVR controls + PTZ controls
Communication interface		1 RJ45 10M/100M Ethernet self-adapting interface 1 RS485 for PTZ
Keyboard interface		No
Interface SATA hard disk		1 SATA supporting up to 1 hard disk

Item	Specifications
USB interface	1 USB interface 2.0, can support USB flash memory, USB hard disk, USB CD/DVD burner
Max. n. of unicast ** network connections (TCP,UDP,RTP)	24
External alarm inputs	4
Relay output	1
Input voltage	12Vdc
Electrical consumption	Max 45W
Working temperature range	-10 ÷ 55°C
Humidity	10%÷90% RH
Dimensions (W x H x D)	350x48x225 mm
Weight	~3 kg (without hard disk)

IMPORTANT NOTE

Technical features may be subject to change without prior notice.

* The addition of a hard disk must be performed by qualified technical personnel or by contacting the technical assistance service.

** Each video channel shown on the remote PC corresponds to one Unicast connection.

Correspondence between code and respective resolution in PAL format are shown in the following table.

CODE	RESOLUTION - PAL
CIF	352x288
QCIF	176x144

10 MAXIMUM RECORDING TIME WITH 160GB HARD DISK

The following resolution options can be selected on Urmet DVR DVS 1093/061S:

- "CIF" and "QCIF" on the 4 channels

IMPORTANT NOTE

The times shown in the following tables refer to recordings made on all channels setting the bit rate and frame rates shown.

QCIF RESOLUTION (176x144)

Lots of motion

Variables to be set		Results	
Bitrate (in Kbps)	Frame rate (in fps)	HD time (hours)	HD time (days)
512	25	173	7,2
448	22	198	8,3
384	20	231	9,6
320	18	277	11,5
256	16	347	14,5
224	15	396	16,5
192	12	462	19,3
160	10	555	23,1
128	8	694	28,9
96	6	925	38,5
80	4	1111	46,3
64	2	1388	57,8
48	1	1851	77,1

Little motion

Variables to be set		Results	
Bitrate (in Kbps)	Frame rate (in fps)	HD time (hours)	HD time (days)
448	25	198	8,3
384	22	231	9,6
320	20	277	11,5
256	18	347	14,5
224	16	396	16,5
192	15	462	19,3
160	12	555	23,1
128	10	694	28,9
96	8	925	38,5
80	6	1111	46,3
64	4	1388	57,8
48	2	1851	77,1
32	1	2777	115,7

CIF RESOLUTION (352x288)

Lots of motion

Variables to be set		Results	
Bitrate (in Kbps)	Frame rate (in fps)	HD time (hours)	HD time (days)
512	12	173	7,2
448	10	198	8,3
384	8	231	9,6
256	6	347	14,5
192	4	462	19,3
96	2	925	38,5
48	1	1851	77,1

Little motion

Variables to be set		Results	
Bitrate (in Kbps)	Frame rate (in fps)	HD time (hours)	HD time (days)
256	12	347	14,5
224	10	396	16,5
192	8	462	19,3
128	6	694	28,9
96	4	925	38,5
48	2	1851	77,1
32	1	2777	115,7

APPENDIX - USING EASY DOME // REF. 1092/650

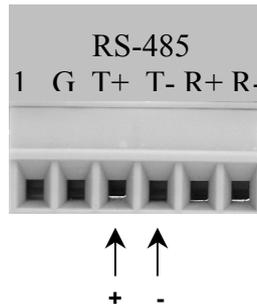
The following appendix shows how to connect, set and use Easy Dome // Ref.1092/650 cameras with Urmet Domus DVR DVS digital video recorder Ref.1093/061S.

IMPORTANT NOTE

It is advisable to connect one only DVR to each RS-485 Easy Dome control line to exploit the functions of the Urmet Domus DVR DVS digital video recorders to the maximum.

1. CONNECTING EASY DOME //

The following terminal board is found on the rear panel of the devices.



Use terminals “-” and “+” identifying the RS485 port for connecting Easy Dome // Ref.1092/650.

2. EASY DOME PROGRAMMING ON DVR

Proceed as follows to program the Easy Dome //.

Press “**MENU**” on the front panel of the DVR to access the configuration menu.

Position the “Active Frame” on the “**PTZ**” icon and press “**ENTER**”.

The following page will appear:



Figure 88: PTZ parameter configuration menu

The selected item is highlighted.

Press arrows “◀▶” to point the cursor to the various menu items.

Select “**CONFIRM**” and press “**ENTER**” to make the changes effective.

Select “**CANCEL**” and press “**ENTER**” to cancel the changes.

Press “**ESC**” to go back by one step without saving changes.

Press “**ESC**” several times until the configuration window closes to quit the configuration menu.

where:

- **Select camera** → Camera whose communication parameters you want to set.
- **Baud Rate** → Set “**9600**”.
- **Protocol** → Select “**Pelco- D**”.
- **Addr PTZ** → Set the address of the Easy Dome to be associated.

IMPORTANT NOTE

The baud rate, data bits, stop bits, parity, protocol flow and IP address parameters must be coherent with those of the camera.

The correct operation of the "Pelco- D" protocol is guaranteed for Easy Dome // Ref.1092/650.

Refer to chapter 5.7 for more information on the configuration parameters.

3. EASY DOME // CAMERA CONTROL

The Easy Dome camera can be controlled using the remote control or directly from the front panel of the DVR device.

Procedure

1. In "**LIVE**" mode, press "**PTZ**" to access the PTZ control interface.
By default, the device will ask to enter a password to access PTZ control mode.
Press "**ESC**" to quit the menu.
2. Select the PTZ camera to be controlled.
This mode can be used to select the required channel using the number keys on the front panel. Select the required camera pressing "**SHFT**" and the corresponding number key on the front panel. After the selection, press "**SHFT**" again to disable the numeric functions and proceed with the adjustment.
3. Adjust the PTZ camera.
Use "**▲▼◀▶**", and "**IRIS+**", "**IRIS-**", "**FOCUS+**", "**FOCUS-**", "**ZOOM+**", "**ZOOM-**" on the front panel of the device to reach the required position and adjustment level respectively.
4. Adjust movement speed.
Press "**▲▼◀▶**" repeatedly to increase the selected dome movement speed up to a maximum of 3x.

4. Recalling preset Easy Dome // camera positions

A preset position can be selected in "**PTZ**" → "**Preset**" after selecting the required camera.
Press "**REC/SHOT**" and enter the preset number (3 digits).

Example:

Press "002" to recall preset number 2.

PRESET POSITIONS AND FUNCTIONS

The Easy Dome // camera can be programmed and operated using various quick commands.
These commands are mentioned in the respective sections of the instruction manual and listed in this table for quick reference.

PRESET	FUNCTION
xxx	Recalls preset position (Preset) xxx.
080	Starts the tracking function
081	Stops all functions
082	Starts the cruise function
084	Starts pattern 1
085	Starts pattern 2
086	Starts pattern 3
087	Starts pattern 4
088	Starts park action function
089	Stops park action function
097	Starts random scan function
098	Starts frame scan function
099	Starts auto scan function

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