



Atlantis



4/8 Channel H.264 VideoSurveillance KIT

Manual(ENG)

Quick Start Guide (Esp, Deu)

NetCamera Ethernet System 2 Kit

NetCamera Ethernet System 4 Kit

ITALIANO

Questo prodotto è coperto da garanzia Atlantis On-Site della durata di 1 anno (per via della collocazione in ambienti outdoor). Se utilizzato in ambienti indoor la garanzia è di 2 anni. Per maggiori dettagli in merito o per accedere alla documentazione completa in Italiano fare riferimento al sito **www.atlantis-land.com**.

ENGLISH

This product is covered by Atlantis On-Site 1 year warranty. For more detailed informations please refer to the web site **www.atlantis-land.com**.

For more detailed instructions on configuring and using this device, please refer to the online manual.

FRANCAIS

Ce produit est couvert par une garantie Atlantis On-Site de 1 an. Pour des informations plus détaillées, référez-vous svp au site Web **www.atlantis-land.com**.

DEUTSCH

Dieses Produkt ist durch die Atlantis On-Site 1 Jahre Garantie gedeckt. Für weitere Informationen, beziehen Sie sich bitte auf Web Site **www.atlantis-land.com**.

ESPAÑOL

Este producto esta cubierto por Atlantis On-Site con una garantía de 1 año. Para mayor información diríjase a nuestro sitio Web **www.atlantis-land.com**.

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A02-ACAM2(4)Kit(v1.2)_ME(GSD)01 (July 2011)

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Regulatory Information/disclaimers

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The Manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, of the substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these guidelines.

CE Mark Warning

In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

CE/EMC Restriction of Liability

The product described in this handbook was designed, produced and approved according to the EMC-regulations and is certified to be within EMC limitations.

If the product is used in an uncertified PC, the manufacturer undertakes no warranty in respect to the EMC limits. The described product in this handbook was constructed, produced and certified so that the measured values are within EMC limitations. In practice and under special circumstances, it may be possible, that the product may be outside of the given limits if it is used in a PC that is not produced under EMC certification. It is also possible in certain cases and under special circumstances, which the given EMC peak values will become out of tolerance. In these cases, the user himself is responsible for compliance with the EMC limits.

**Declaration of Conformity (**

Hereby, Atlantis SpA, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC "Electromagnetic Compatibility" and 2006/95/EC (Low Voltage Directive) within CE Marking Requirement.

SAFETY INSTRUCTIONS

- Electric shock can be avoided. Follow the recommended practices listed below. Faulty installation, improper grounding, and incorrect operation and maintenance of electrical equipment are always sources of danger.
- Do Not try to install equipment outdoor, when the wind and rain is strong.
- For your safety, please unplug the device from the power source before moving the DVR or when installing or replacing the hard drive or any other parts.
- Carefully read the manuals and follow all the operating procedures.
- Make sure power cables and all other wires are properly set up before using the DVR.
- Don't leave any unnecessary parts inside the DVR to avoid a short circuit.
- As much as possible, avoid exposing the DVR to excessive dust, temperature, and humidity. Keep the DVR in a place with a temperature ranging from 5°C~40°C.

- Keep the DVR in a well-ventilated place and away from any heat-generating objects.
- Do not block the DVR's fan and vent.
- Do not expose this unit directly to the sun.
- If you are unsure of the installation and setup procedure, please consult the technicians.
- If there's any damage to this unit or the power supply, please consult the technician or the distributor. Don't try to fix it by yourself.
- **User Manual** – After unpacking this product, read the owner's manual carefully, and follow all the operating procedures and other instructions.
- **Power Source** – This product should be operated only from the type of power source indicated on the label. If unsure of the type of power supply available in your home, office, or the area where you intend to use the product, consult product dealer or local power company.
- **Ventilation** – Slots and openings in the cabinet are provided for ventilation. They ensure reliable operation of the product and protect it from overheating. These openings must not be blocked or covered. The product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the instructions have been adhered to.
- **Heat** – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products that produce heat. The general operating temperature should be 5°C ~32°C.
- **Water and Moisture** – Do not use this product near water. Do not exceed the humidity specifications for the product as detailed in this manual.
- **Cleaning** – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth.
- **Power Cord Protection** – Power-supply cords should not be routed so that they are likely to be walked on or pinched by items placed against them, paying particular attention to cords at plugs, receptacles, and the point where they exit the product.
- **Overloading** – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electrical shock.
- **Lightning** – For added protection for this product during storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power line surges.
- **Accessories** – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may be irreparably damaged if it falls off and may cause serious personal injury.
- **Burden** – Do not place a heavy object on top of or step on the product. The object may be irreparably damaged if it falls off and may cause serious personal injury.
- **Damage Requiring Service** – Unplug the unit from the outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power-supply cord or plug is damaged.
 - If liquid has been spilled, or objects have fallen into the unit.
 - If the unit has been exposed to rain or water.
 - If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.
 - If the unit has been dropped or the enclosure has been damaged.
- When the unit exhibits a distinct change in performance - this indicates a need for service.
- **Servicing** – Do not attempt to service this product. Opening or removing covers may expose the user to dangerous voltage or other hazards. Refer all servicing to qualified personnel.
- **Safety Check** – Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.



Important information for the correct recycle/treatment procedures of this equipment

The crossed-out wheeled bin symbol printed on the unit label or unit packaging indicates that this equipment must not be disposed of as unsorted municipal waste but it should be collected separately.

The waste of electric and electronic equipment must be treated separately, in order to ensure that hazardous materials contained inside the equipment are not buried thereby providing potential future problems for the environment and human health. Moreover, it will be possible to reuse and recycle some parts of the waste of electric and electronic equipment, contributing to reduce the quantities of waste to be disposed of and the depletion of natural resources.

As user of this equipment, you are responsible to return this waste of electronic equipment to an authorised collection facility set up by your Municipality. More detailed information on your nearest collection centre can be obtained from your Municipality or from other competent local entities.

If you are replacing the old equipment with a new equivalent product, the distributor must take-back the old equipment free of charge on a one-to one basis as long as the equipment is of equivalent type and fulfilled the same functions as the supplied equipment.

Your rôle in participating to the separate collection of waste of electric and electronic equipment is essential to ensure that environmental protection and human health objectives connected to a responsible treatment and recycling activities are achieved.

PS.: The above mentioned information are reported herewith in compliance with Directive 2002/96/CE, which requires a separate collection system and specific treatment and disposal procedures for the waste of electric and electronic equipments (WEEE). For further and more detailed information, we invite you to visit our website at www.atlantis-land.com



CE Logo with attention Mark () aren't fully compliant with minimum dimensions requirement to European Directive due to limited sticker area.



WEEE BIN Logo () isn't fully compliant with minimum dimensions requirement to European Directive due to limited sticker area.



Atlantis suggest to visit the web site www.atlantis-land.com in order to retrieve update manual, techsheet and driver.



Before starting, take a few minutes to read this manual. Read all of instructions and save this manual for later reference.

Thank You for choosing an Atlantis Product. For more detailed instructions on configuring and using the NetCamera System, please refer to the online manual into CD or website.

1. PRODUCT OVERVIEW

NetCamera Ethernet System is a complete solution (with standalone DVR and 4 optional IR Cameras) for local/remote video surveillance, designed to operate in every working environment (domestic or SoHo).

DVR is able to playback locally, on the connected monitor (VGA), up to 4 channels and is able to record (always, motion detection, manual, time schedule) on the internal 2,5" HDD(into A02-ADVR2) or 3,5" (into A02-ADVR4), using H.264 codec.

The CCD sensor (1/4"), able to work also with a low light intensity of the environment, provides clear and tidy videos with real colors in each situation (28 IR LEDs down to 0 Lux up to 8 mt). NetCamera uses ethernet cables for the connection to cameras (power and video/audio are integrated onto the same cable, supporting category 5/5e up to 100 Meters) it allows to migrate in the future the infrastructure toward IP, without further costs of wiring, safeguarding the investment.

Finally, it can be remotely managed and controlled at any moment and place, in a simply and intuitive way, via PC or notebook connected to the Internet (or Intranet) by using any web browser or mobile devices (iPhone or iPad).

These features make NetCamera Ethernet System the ideal tool for local/remote monitoring/video surveillance.



Use of audio or video equipment for recording the image or voice of a person without their knowledge and consent is prohibited in certain states or jurisdictions. Nothing herein represents a warranty or representation that the Atlantis product provided herein is suitable for the end-user's intended use under the applicable laws of his or her state. Atlantis SpA disclaims any liability whatsoever for any end-user use of the Atlantis product, which fails to comply with applicable state, local, or federal laws.

1.1 SYSTEM REQUIREMENTS (only for WEB configuration or Live View with Internet Explorer)

Before installing Router, your PC should meet the following:

- TCP/IP protocol must be installed on each PC
- Web browser, such as Microsoft Internet Explorer 6.0 or later (Active X)
- Pentium 4 1800MHz (or equivalent AMD) with 512MB
- Graphic Card: 64 MB RAM graphic cards (or equivalent on-board graphic cards)
- Windows 2000, 2003, XP, Vista, 7

1.2 PACKAGE CONTENTS

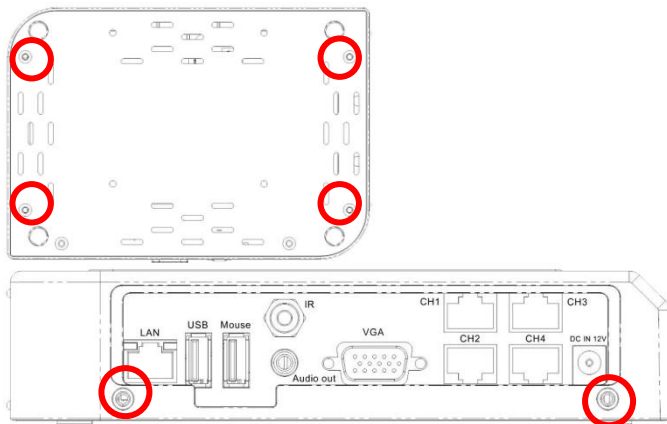
Unpack the package and check all the items carefully. Also, keep the box and packing materials in case you need to ship the unit in the future. The package should contain the following items:

A02-ADVR2 or A02-ADVR4	A02-ACAM2Kit or A02-ACAM2Kit-W	A02-ACAM4Kit or A02-ACAM4Kit-W
▪ DVR (A02-ADVR2 or A02-ADVR4) ▪ 4 Balun ▪ Quick Start Guide ▪ USB Mouse ▪ IR Remote Controller ▪ Adapter AC-DC (12V@5A) for DVR and Cameras ▪ Cd-Rom with manual, Utility, Software ▪ Warranty Card	▪ DVR (A02-ADVR2) ▪ 4 Cameras (A02-OACAM1-X) ▪ 4 Brackets ▪ 4 Balun ▪ Quick Start Guide ▪ USB Mouse ▪ IR Remote Controller ▪ Adapter AC-DC (12V@5A) for DVR and Cameras ▪ Cd-Rom with manual, Utility, Software ▪ Warranty Card	▪ DVR (A02-ADVR4) ▪ 4 Cameras (A02-OACAM1-X) ▪ 4 Brackets ▪ 4 Balun ▪ Quick Start Guide ▪ USB Mouse ▪ IR Remote Controller ▪ Adapter AC-DC (12V@5A) for DVR and Cameras ▪ Cd-Rom with manual, Utility, Software ▪ Warranty Card

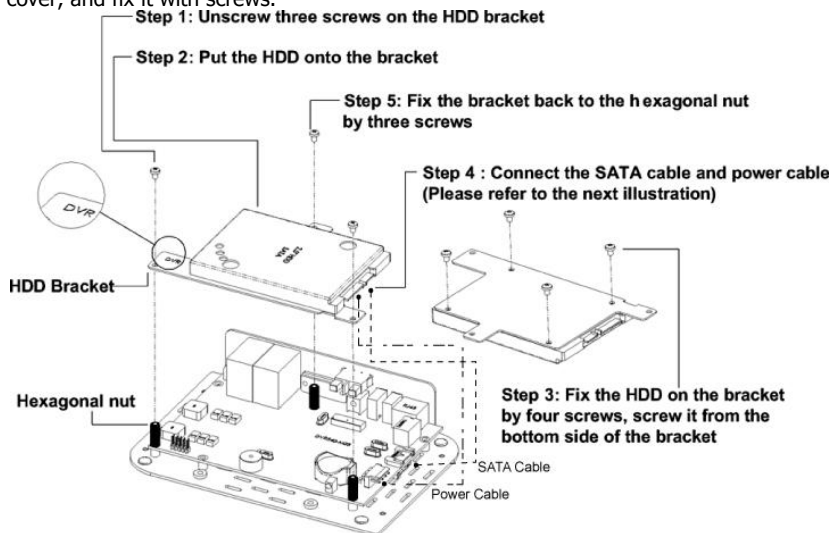
If any item contained is damaged or missing, please contact your local dealer as soon as possible.

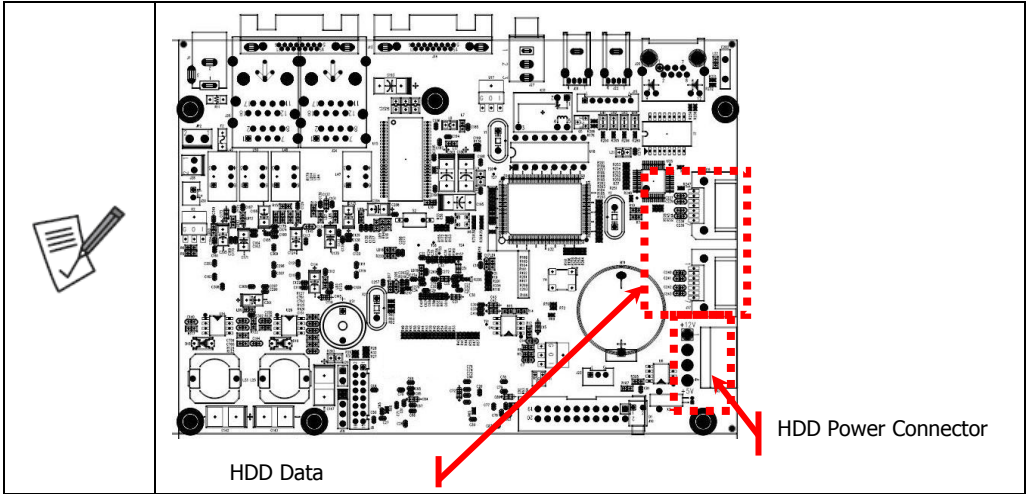
1.3 INSTALLATION(Hard Drive) A02-ADVR2

- Install the hard drive by following steps. Remove the four screws on the bottom side of DVR.
- Remove the two screws on the back panel of DVR and lift out the top housing chassis.



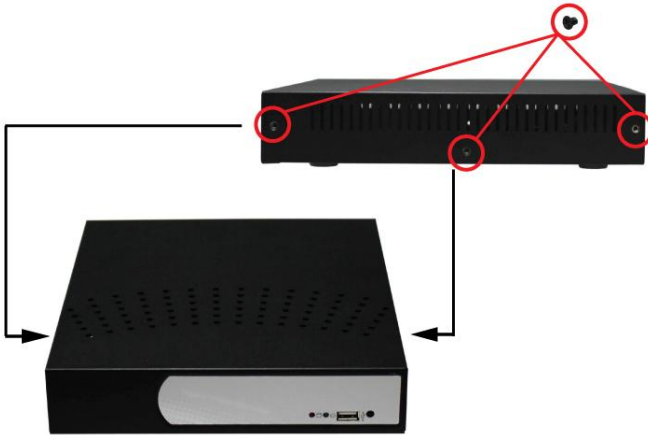
- Fix the HDD and the cables according to the following diagram. Attach the SATA data and power cables of the hard disk to their respective ports on the system board (as indicated in the following illustration).
- Put the top housing back into place. Secure the casing with the two screws on the rear side of the DVR and the four screws on the bottom side.
- Check if the connectors are properly connected and there is no problem with wiring and close up cover, and fix it with screws.



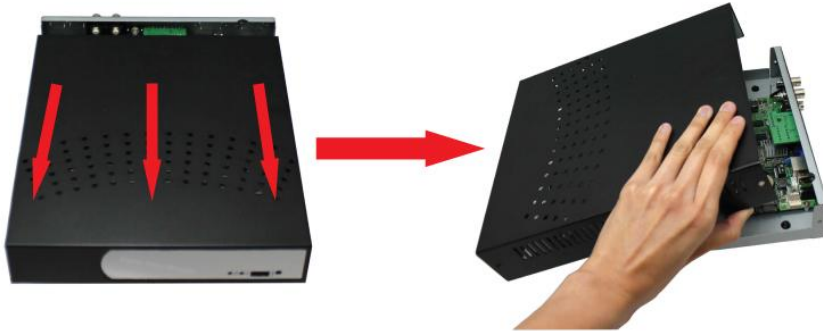


1.4 INSTALLATION(Hard Drive) A02-ADVR4

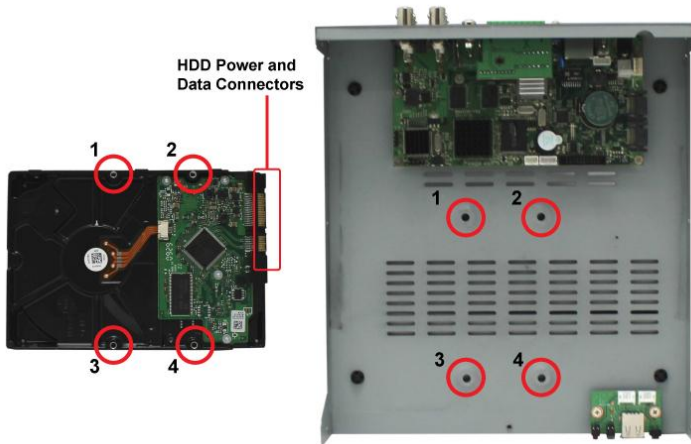
- Install the hard drive by following steps. Unscrew the DVR housing from both sides.

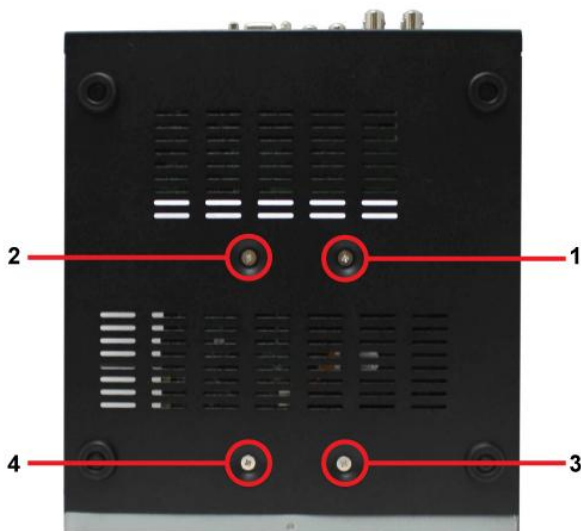


- Slide the top cover slightly forward and then lift it out.

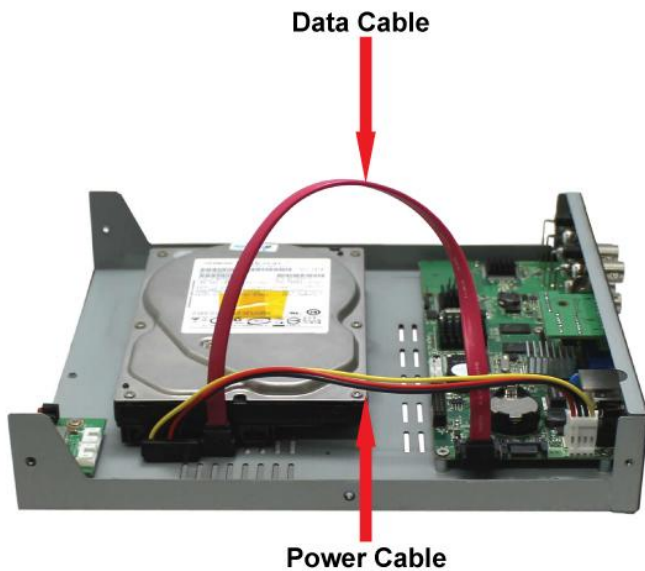


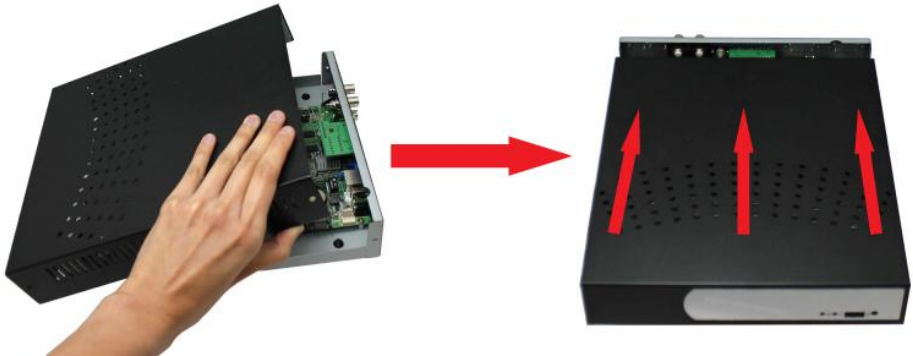
- Mount the hard disk on to the bottom chassis. Align the screw sockets as indicated. Note that the side on which the data and power connectors of the hard disk will be in-line with their respective data and power ports on the PCB.
- Secure the hard disk to the bottom chassis with screws on the opposite side, as shown.



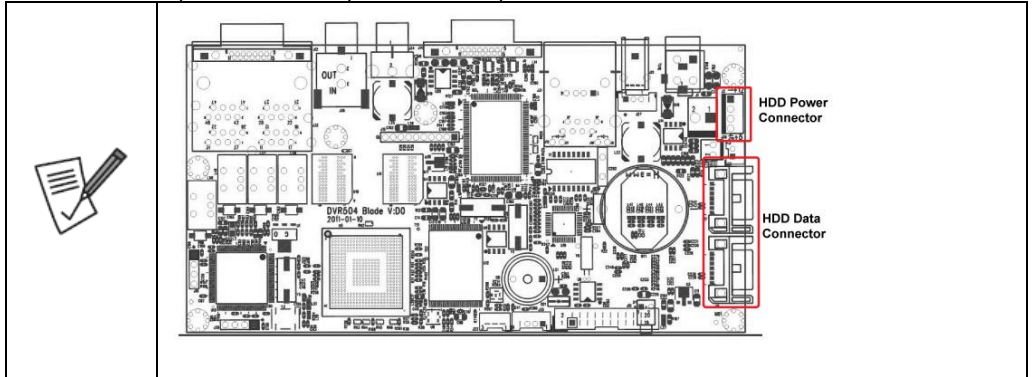


- Attach the hard drive SATA data and power cable from hard drive to the main board connector (shown in the following picture). Make sure that data and power connectors are also attached to the hard disk.

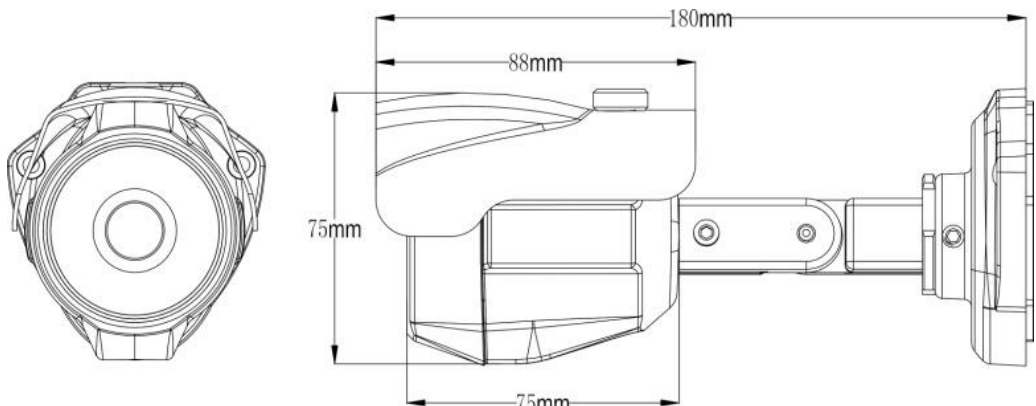




- Return the top cover back into place. Secure top cover with screws on both sides.

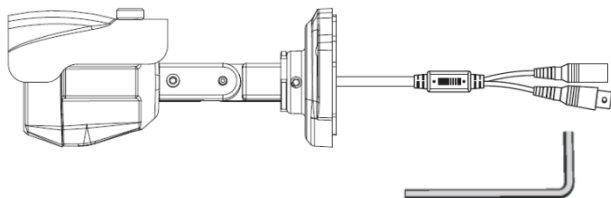


1.5 DIMENSIONS (unit:mm)

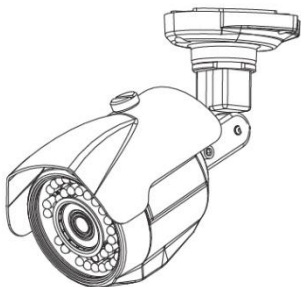


1.6 CABLING

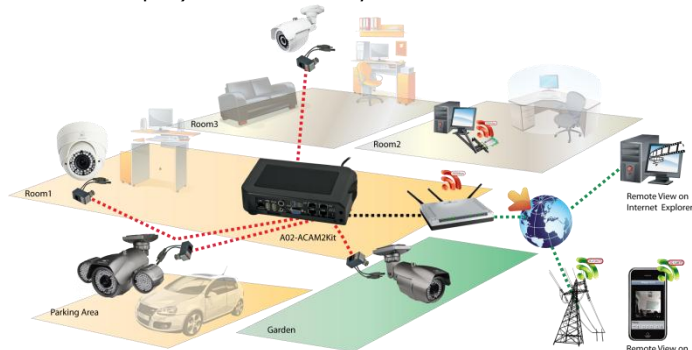
- Lift the two mounting rings off the base, making sure that the three mounting screws do not fall off.
- Screw two of the base unit screws into the base unit and onto the ceiling/wall
- Insert the cable through the base unit and connect the cable.
- Screw the remaining base unit screws into the base unit to secure it on the ceiling/wall. Be sure that all screws are tightened.
- Now You can change the camera Pan/Tilt in order to satisfy your installation.



- Use the wrench to release the screw, the adjust and move it up/down. Use the wrench to release the screw and do 360° rotation angle mobilization.



In the end connect the DC Adapter (isn't included) or power distribution box to the Camera (using a Power Connector Adapter) or connect directly the device to A02-ACAM2Kit or A02-ACAM4Kit.



.....	Internet (ADSL)
.....	Cat 5 Cable
.....	10/100/1000Mbps LAN
	WLAN 54/150/300Mbps
	3G (HSDPA / GPRS / UMTS)



Do not focus the camera on the sun directly.



Ensure the camera is fixed securely otherwise it may fall and cause injury.

1.7 CONNECT THE CAMERAS to DVR (A02-ACAM2Kit, A02-ACAM4Kit)

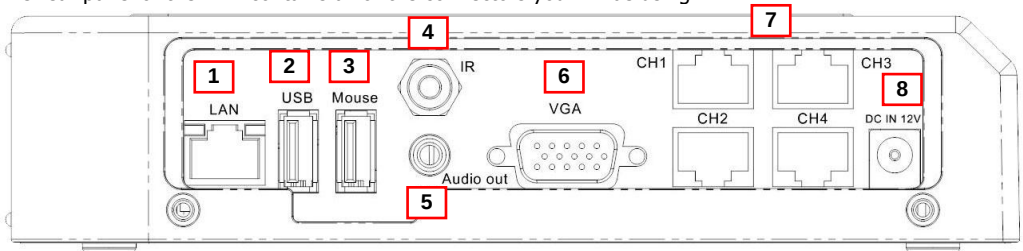
The specialized video BALUN is used to connect an RJ-45 cable from CH1 – CH4 on the DVR (as shown in the diagram below). The security camera is connected to the video input (male BNC) and its power plug to the corresponding socket on the balun.



Connect the power adaptor to turn the DVR on only AFTER all the devices (i.e. cameras, sensors, mouse, and hard drives) have been connected to their respective ports.

1.8 DVR REAR PANEL (A02-ADVR2)

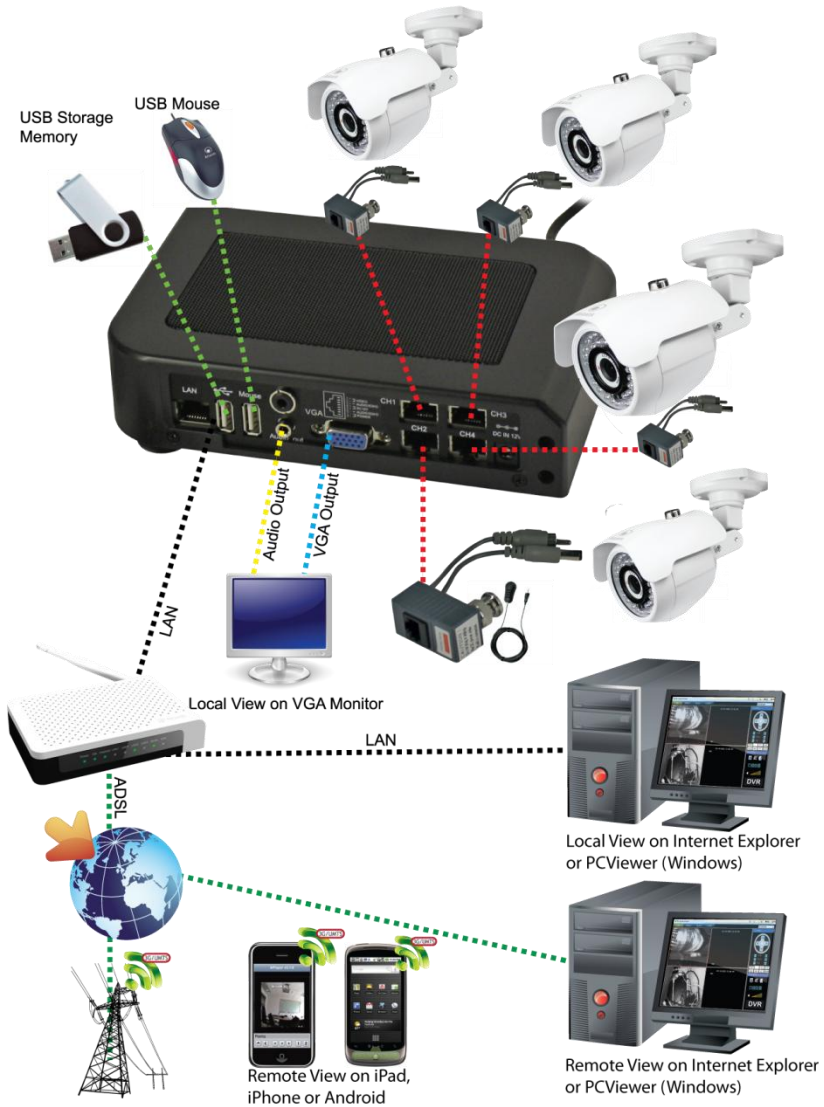
The rear panel of the DVR contains all of the connectors you will be using.



N°	NAME	FUNCTION
1	LAN	RJ45 port for the network cable
2	USB	Memory Stick or External HDD.
3	MOUSE	Mouse port (for USB compatible mouse only)
4	IR	IR extender connector (optional)
5	Audio Out	Audio Out (RCA).
6	VGA/RCA	Video output port for the security monitor. VGA output (DB-9) port for the LCD monitor
7	CH1-4	RJ45 connectors for video input: CH1~CH4.
8	DC-IN 12V	DC power port for the power adaptor: DC, 12V@5A.

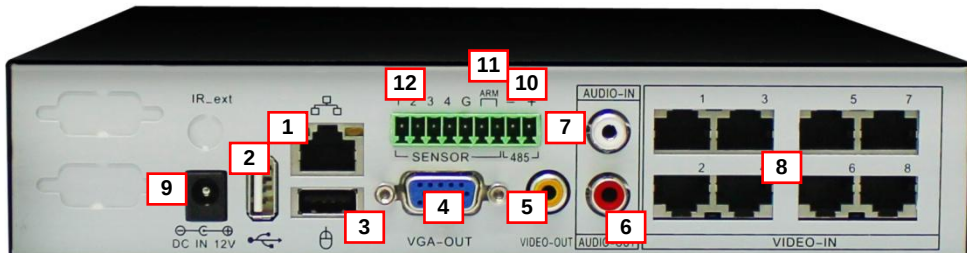
DVR Cabling procedure:

- Connect the 4 video cable (RJ45) connectors
- Connect the USB mouse to the USB slot for mouse on the rear panel of the DVR
- Connect one end of the network cable (not included) to RJ-45 port on the rear panel of the DVR and speaker (option)
- Connect a VGA cord (not included) from your monitor to the VGA output on the rear panel of your DVR
- Plug in power supply to an open outlets.



1.9 DVR REAR PANEL (A02-ADVR4)

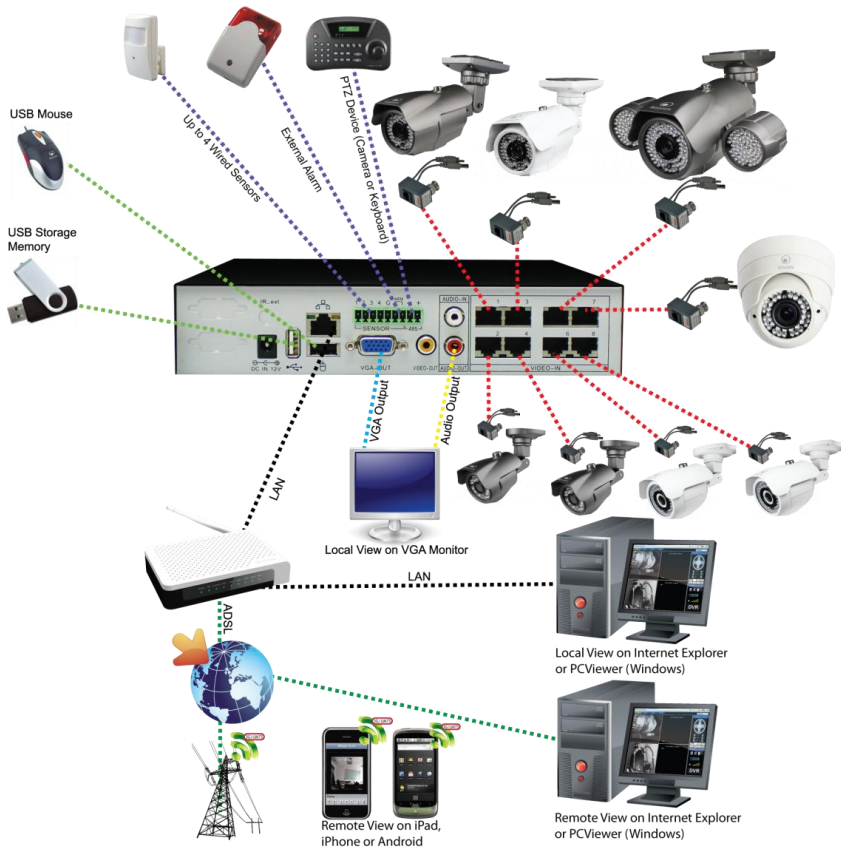
The rear panel of the DVR contains all of the connectors you will be using.



N°	NAME	FUNCTION
1	LAN Ethernet	RJ45 port for the network cable
2	USB Port	Memory Stick or External HDD.
3	Mouse	Mouse port (for USB compatible mouse only)
4	VGA	Video output port for the security monitor. VGA output (DB-9) port for the LCD monitor
5	Out RCA	Video output port for the security monitor.
6	Audio Out	Audio Out (RCA).
7	Audio In	Audio IN (RCA).
8	CH1-CH8	RJ45 connectors for video input: CH1~CH4.
9	DC-IN 12V	DC power port for the power adaptor: DC, 12V@5A.
10	PTZ(RS485)	RS-485 connector (typically for PTZ cameras and keyboards)
11	Allarm	Connect the alarm indicator to the alarm slots labeled as "ARM" on the DVR. This supports alarm that can be triggered when an event has occurred. Alarm port (Alarm 1+ and Alarm 1-)
12	Sensors	Connect the sensor wires to the sensor slots labeled as "SENSOR" and numbered 1~4 with a common ground "G" on the DVR. This device often used with a security camera at the monitoring space. Sensor ports (marked "1~4") and a common ground (marked "G")

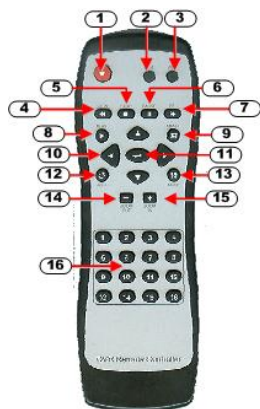
DVR Cabling procedure:

- Connect the 4 video cable (RJ45) connectors
- Connect the USB mouse to the USB slot for mouse on the rear panel of the DVR
- Connect one end of the network cable (not included) to RJ-45 port on the rear panel of the DVR and speaker (option)
- Connect a VGA cord (not included) from your monitor to the VGA output on the rear panel of your DVR
- Plug in power supply to an open outlet



1.10 REMOTE CONTROL

The remote control may be used as an alternative to the mouse.



No	Button / Name	Function in DVR Mode
1	 REC	Start or stop recording / backup.
2	 DVR	Switch to DVR mode
3	 PTZ	Switch to PTZ mode
4	 REW	Rewind through video
5	 STOP	Stop playback or backup
6	 PAUSE	Pause recording of playback
7	 FF	Fast forward through video
8	 PLAY	Start video playback
9	 MENU	Enter or exit a menu
10	 (UP)  (DOWN)  (LEFT)  (RIGHT)	Move through lists or change the settings of choices
11	 (Enter/Select)	Change and confirm values
12	 AUTO	Start automatic screen view rotation
13	 MODE	Changes to split-screen mode
14	– ZOOM OUT	(Not available in DVR mode)
15	+ ZOOM IN	(Not available in DVR mode)
16	1,2,---- (Channels)	Selects the channel to view in full screen

2. STARTING UP THE DVR SYSTEM

2.1. FORMAT THE HARD DRIVE

The DVR is ready for running after all peripherals have been properly installed. Connect the power adaptor to turn the DVR on. The DVR may take a few second to startup. When the hard drive is detected by the system, it will ask whether or not you would like to format it. Refer to the conditions stated below to determine which course of action to take.

Release Date: Oct 25 2010 17:33:16

Video: PAL

Hard Drive: WDC WD7500AYPS-01ZKB Rec:02.0

715403MB...Empty Disk

DVR needs to format HDD,

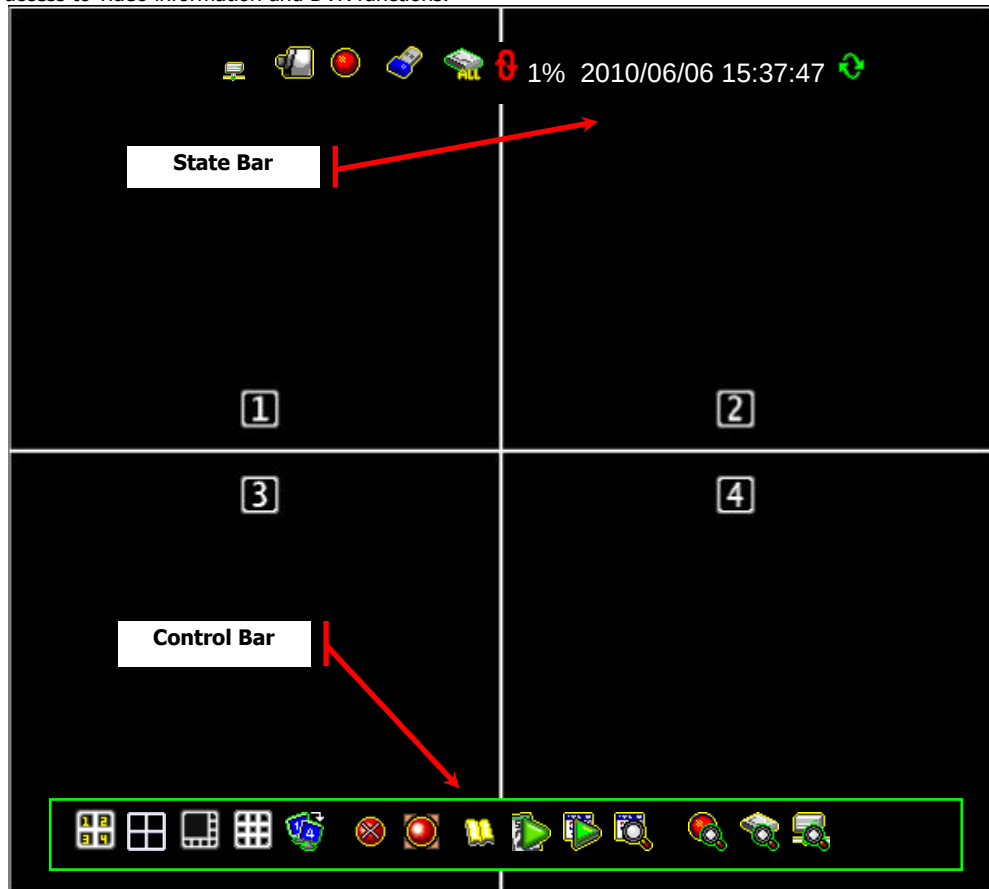
All data will be lost...

☐  Format / ☐  Cancel?

- **Format the hard drive** if: It is the initial installation of the hard drive (1st time to install the HDD in the DVR).
- **Do not format the hard drive** if: The hard drive has already been formatted by the DVR and not formatted by other devices.

2.2. HOME SCREEN

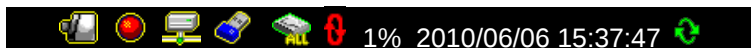
The Home Screen is the starting point for many functions and applications. It allows you to setup, access, and control the surveillance video data. You may think of this screen as a vantage point to give you instant access to video information and DVR functions.



The Drag and Drop Channel Swap enables swap the channel displays using your mouse. No need to interchange the RJ45 connectors. This function is also applicable for all kinds of Split View.

State Bar Information

The State Bar displays the status and notification icons of the surveillance system.



Icon	Function	Icon	Function
	Camera is working.		No signal from camera.
	Recording.		Recording Stop.
	Force Record Start.		Network connected.
	USB disk connected.		Network disconnected.
	Hard drive overwrite enabled.		Hard drive status.
	Channel display rotation enabled.		
XX%	Percentage of hard drive already used.		
2010/06/03	Current date.		
15:37:47	Current time.		

Control Bar Information

The Control Bar may be used to access channels and their related applications.

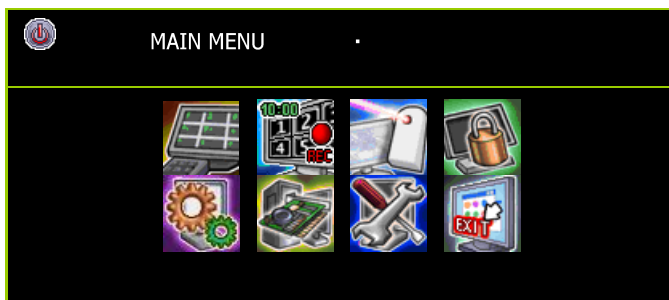


Icon	Function	Icon	Function
	Load default channel display location.		4-channel split view.
	Auto channel rotation.		Enter main menu.
	Start recording.		Stop recording.
	Start forced recording.		Stop forced recording.
	Playback menu.		Calendar Menu.
	Event search.		Recording information.
	Hard drive information.		Network information.

Main Menu



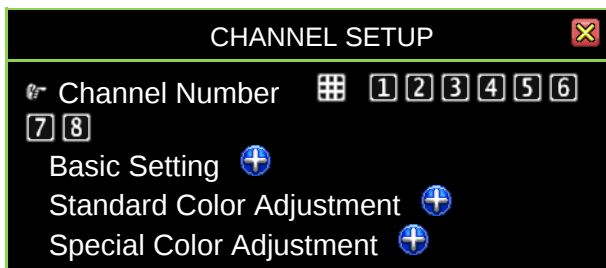
Press the  icon to enter the "Main Menu". The default password is **123456**.



Icon	Name	Function
	DVR Power Supply	To reboot or shutdown the DVR system.
	Channel Setup	Set the channel display, record, channel name and video color adjustment.
	Record Setup	Set the record schedule, video performance and quality.
	Detector Setup	Set the motion, sensor and alarm mode.
	Authentication Setup	Set the login account, password and the authentication.
	System Setup	Set the status icons display, languages, date/time, rotation time, button beep tone, input device speed, and other relevant system features.
	Hardware Setup	Configures error message checks, hard drive information, overwrite settings, network settings, PTZ/Keyboard, Audio and screen settings.
	Utility/Tools	These are used to format USB devices, to update firmware, to export event logs, and to restore system settings.
	Exit Main Menu	Exit the main menu.

2.3 Channel Setup

Click the **"Channel Setup"** on the Main Menu. The screen will display the menu shown in the following illustration.

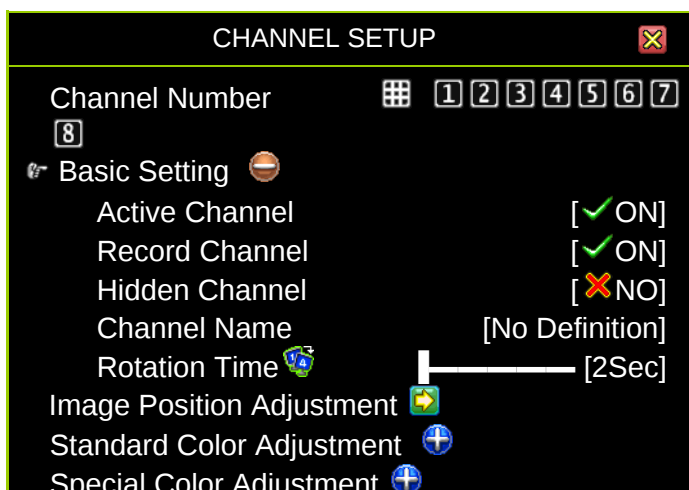


	Click on the  icon to expand the menu and view its contents. Click on the  icon to minimize the menu contents. Click on the right button of your mouse to go back to the upper menu.
--	---

Channel Number

- The Channel Number is used to designate to which channel or channels the settings will apply.
- Press the icon  (for 4Ch) or the icon  (for 8Ch). This icon will turn orange and the settings will be applied to all channels.
- Select the icons "1" ~ "4" (for 4Ch) or "1" ~ "8" (for 8Ch) to individually setup of each channel. The channel icon will turn green when selected and will turn to white when not selected.

Basic Settings



- **Active Channel:** Activate one channel or all of the channels. Active channels are ready for recording and are displayed on the screen.

- "ON" – Activates selected channel. The channel number icon turns to orange.
- "OFF"- Disables selected channel. The channel number icon turns to gray.
- **Record Channel:** This parameter sets one channel or all of the channels to record videos. An active channel will be displayed on screen even when it is not recording.
 - "ON" – recording
 - "OFF" – not recording
- **Hidden Channel:** Set whether or not to display one or all channels on screen. The channel will continue to record regardless of it being hidden or not.
 - "ON" – Hide the channel on screen. The channel square turns to black and channel number icon turns to white.
 - "OFF"- Unhide the channel or channel is visible.
- **Channel Name:** Designate a name for each channel. The channel name is limited to 24 characters.
 - Press the icon  [Default Name] to select a channel name from the list defined by the system: Room, Hall, Door, Lift, Area, Floor, Entry, and Point.
 - Press the icon  to switch to big letters.
 - Press the icon  to enter the channel name. The channel name will appear on the channel square.
 - You may also define the name by using buttons on IR remote. Kindly refer to the Hardware Installation and Operation Manual of this DVR for the diagrams.
- **Rotation Time:** Sets the period (with a range of 2 to 30sec) of full screen display for each channel.
- **Image Position Adjustment:** The steps to adjust the position of display on the monitor are as follows:
 - Select the icon  (for 4Ch) or  (for 8Ch) to adjust the display position of all channels in 4/8/16-split view at one time.
 - OR
 - Select the icons " ~ " (for 4Ch) or " ~ " (for 8Ch) to individually set the image position of each channel.
 - The following figure (for 4Ch) will appear when you enter the "Image Position Adjustment":
Adjust the image position by mouse left-click follow the direction change of cursor icon up/ 
down/  right/  left.
 - Press [ Default] to load or to restore to the default location.

Standard Color Adjustment

Adjusts the video color parameters for each channel or simultaneously for all channels.

CHANNEL SETUP ✕

Channel Number
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

8

Basic Setting +

Standard Color Adjustment -

Brightness

◀▶

[10]

Contrast[10]

Hue[16]

Saturation[16]

Sharpness[8]

Special Color Adjustment +

- **Brightness:** Default is 10. Press the button "◀ ▶" to adjust the brightness from 1 to 20.
- **Contrast:** Default is 10. Press the button "◀ ▶" to adjust the contrast from 1 to 20.
- **Hue:** Default is 16. Press the button "◀ ▶" to adjust the hue from 1 to 32.
- **Saturation:** Default is 16.. Press the button "◀ ▶" to adjust the saturation from 1 to 32.
- **Sharpness:** Default is 8. Press the button "◀ ▶" to adjust the sharpness from 1 to 16.

Special Color Adjustment

Special Color Adjustment applies to video color parameters and designates the setting for a specified period for an individual channel or for all channels.

CHANNEL SETUP ✕

Channel Number
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

8

Basic Setting +

Standard Color Adjustment
+

Special Color Adjustment
-

Activate Special Color[✕ Disable]

Start Time[06:00]

End Time[21:00]

Brightness[12]

Contrast[12]

Hue[16]

Saturation[20]

Sharpness[12]

- **Activate Special Color:**

" Disable" (Default): Disable Special Color Adjustment.

" Enable": Enable Special Color Adjustment

- **Start Time:** The start time for the special color setting.
- **End Time:** The end time for the special color setting.
- **Brightness:** Default is 10. Press the button "  to adjust the brightness from 1 to 20.
- **Contrast:** Default is 10. Press the button "  to adjust the contrast from 1 to 20.
- **Hue:** Default is 16. Press the button "  to adjust the hue from 1 to 32.
- **Saturation:** Default is 16. Press the button "  to adjust the saturation from 1 to 32.
- **Sharpness:** Default is 8. Press the button "  to adjust the sharpness from 1 to 16.

2.4 Record Setup

Click "Record Setup" on the Main Menu.

RECORD SETUP
✕

 Auto Record
 30Sec 

Activate Performance Gains
[ Enable]

Record Schedule


Total Power : 480/480 (Power/Sec)

Auto Settings Adjustment

Channel Recording Setup


Channel Number


1
2
3
4
5
6

7 8

Record Resolution
[Middle Res (Half D1)]

Video Quality
[Standard]

Record Frame Rate


[30]

Record Performance Gains
[ YES]

- **Auto Record** is utilized to set the period (OFF, 10Sec, 20Sec, 30Sec, 40Sec, 50Sec or 60Sec) within which the DVR will automatically start recording. Default value is "30Sec". This feature is particularly useful in automatically re-starting your DVR recording in case of an abnormal shut down. **The DVR will not re-start recording when set this function "OFF".**
- **Activate Performance Gains:** The function enables system auto increase the recording power to the heavy loading channel from the not triggered or not recording channels. Enable this function makes "Record Performance Gains" at "Channel Recording Setup" is validated.

Record Schedule

Record Schedule is a menu charting the recording schedule of a particular channel or all channels for the whole day (24 hours) and the entire week (7 days). Default setting is "Time Record".

Channel Number

- Select the icon  (for 4Ch) or  (for 8Ch) to setup for all channels at one time.
- Select the icons  ~  (for 4Ch) or  ~  (for 8Ch) to individually setup of each channel.

Recording Mode Select

There are five recording modes:

-  None: Indicates that the channel is set to not record during this duration
-  Time: Indicates that the channel is set to continuously record during this duration
-  Motion: Indicates that the channel is set to motion-triggered recording during this duration
-  Sensor: Indicates that the channel is set to record when the sensor is triggered during this duration
-  Motion+Sensor: Indicates that the channel is set to detect either triggering events caused by motion or from the sensor

	When "Motion Mode" is set for the recording schedule. Remember to complete the "Motion Setup" at the main menu of "Detector Setup" - otherwise it will not be able to record during the period set on "Motion Mode". When "Sensor Mode" is set for the recording schedule. Remember to complete the "Sensor Setup" at the main menu of "Detector Setup" - otherwise it will not be able to record during the period set on "Sensor Mode".
--	---

	Press the icon  to set the recording mode globally: the whole week (7 days) and the whole day (24 hours) are in the same mode throughout. The following example shows that the entire week (all 7 days) and the whole day (all 24 hours) are set to the "Motion" recording mode. Select "Motion" recording mode, press the icon  and press "↵".
--	---

	Press the icon  (located after the name of each day) to set every hour of an entire day to operate in the same mode. The following example shows that on Sunday, the whole day is set to the "Time" recording mode. Select "Time" recording mode, press the icon  and press "↵". Press the icon  to set the same mode for a specified time every day. The following example shows that from 23:00 to 24:00 (11:00pm to 12:00mn) everyday there is no recording (set to "None" recording mode). Select "None" recording mode, press the icon  and press "↵". You can also specifically set the recording mode for a particular time and day. The following example shows that on Sunday, from 19:00 to 24:00 (7:00pm to
--	--

12:00mn), and on Friday, from 2:00 to 4:00 (2:00am to 4:00am), are set to the "Time" recording mode.

Select the recording mode first. Move the cursor and click the icon "X", "T", "M", "S" or "M" to change mode on the timetable.

Select "Time" recording mode, move the cursor and click the period of icons "M" change to "T" and press "↵".

Total Power

Total Power: 480/480 (Power / Sec): It shows the number of recording power that has been allocated and the total number of recording power.



The Total Power for 4Ch and 8Ch is 240/240 (Power / Sec) in NTSC. For PAL, the Total Power for 4Ch and 8Ch is 200/200 (Power / Sec).

RECORD SETUP

Auto Record

30Sec▶

Active Performance Gains

[✓ Enable]

Record Schedule

Total Power: 480/480 (Power / Sec)

Auto Settings Adjustment

Channel Recording Setup

Channel Number

1 2 3 4 5 6 7 8

Record Resolution

[Middle Res (Half D1)]

Video Quality

[Standard]

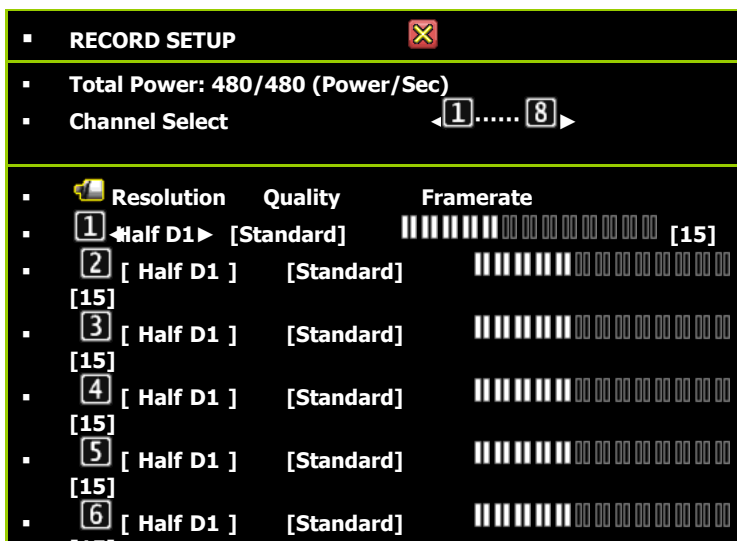
Record Frame Rate

15

Record Performance Gains

[✓ YES]

To distribute the recording power into four channels by click the total power (as indicated above).



Video Resolution, Quality and Frame Rate Setting for each channel

- **Resolution:** Press the button " to adjust the resolution from Full D1 to Half D1 for individual channel.
- **Quality:** Press the button " to adjust the resolution from Highest, High, Standard, Low, and Lowest for individual channel.
- **Frame rate:** Press the button " to adjust the frame rate from 0 to max value for individual channel. The DVR will not be recording if the frame rate value is 0.

Auto Settings Adjustment

- This function can automatically allocate the recording power under the selected record resolution. When all the channels are set at the same resolution, the "Auto Settings Adjustment" can automatically allocate the frame rate to every channel. When the setting applies to a specific channel or to specific channels with a particular resolution, video quality or frame rate the "Auto Settings Adjustment" feature automatically allocates the remaining frame rate among the other channels.

Channel Recording Setup

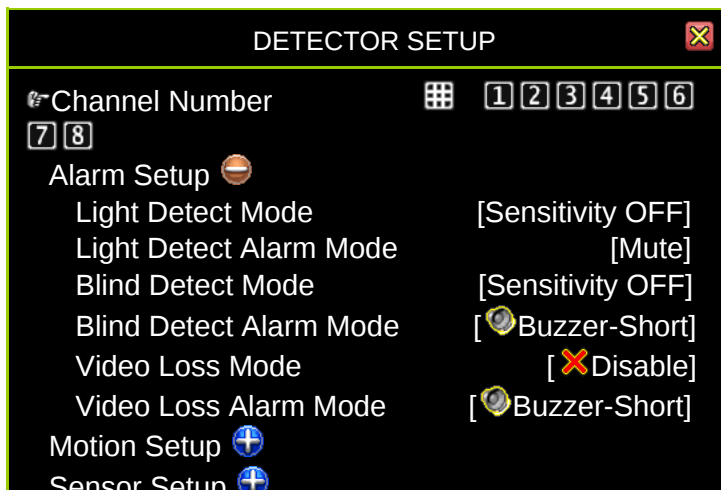
- The Channel Recording Setup is used to adjust the resolution, quality, frame rate and performance gains of recording.
 - **Channel Number**
 - Select the icon " (for 4Ch) or " (for 8Ch) to setup all channels at one time.
 - Select the icons " ~ " (for 4Ch) or " ~ " (for 8Ch) or to individually setup of each channel.
 - **Recording Resolution:** Select the recording resolution for each or all channels as:
 - D1: 704*480 / 60fps (NTSC); 704*576 / 50fps (PAL)
 - Half D1: 704*240 / 120fps (NTSC); 704*288 (PAL) (Default)
 - CIF: 352*240 / 120fps (NTSC); 352*288 (PAL)
 - **Video Quality:** Video image quality settings can be Highest, High, Standard, Low, and Lowest. Default is Standard. Higher video quality provides a much clearer image for playback but can utilize a much larger hard drive space with a larger file size.
 - **Record Frame Rate:** The recording frame rate for each or all channels may be set from 0~30 fps for NTSC or 0~25 fps for PAL. If the frame rate is set to 0, the DVR will not be recording.

RECORD SETUP		
Auto Record		[30Sec]
Active Performance Gain		[ Enable]
Record Schedule		
Total Frame Rate: 480/480 (Power / Sec)		
Auto Settings Adjustment		
Channel Recording Setup		
Channel Number		1 2 3 4 5 6 7 8
Record Resolution		[Middle Res (Half D1)]
Video Quality		[Standard]
Record Frame Rate		[15]
Record Performance Gains		[ YES]

- Recording Performance Gains:** The "Record Performance Gains" enables the system to automatically increase the system power on the heavy loading channel, taking power from the un-triggered, unutilized or non- recording channels. This function can apply for one or all channels.

2.5 Detector Setup

Click "Detector Setup" on the Main Menu.

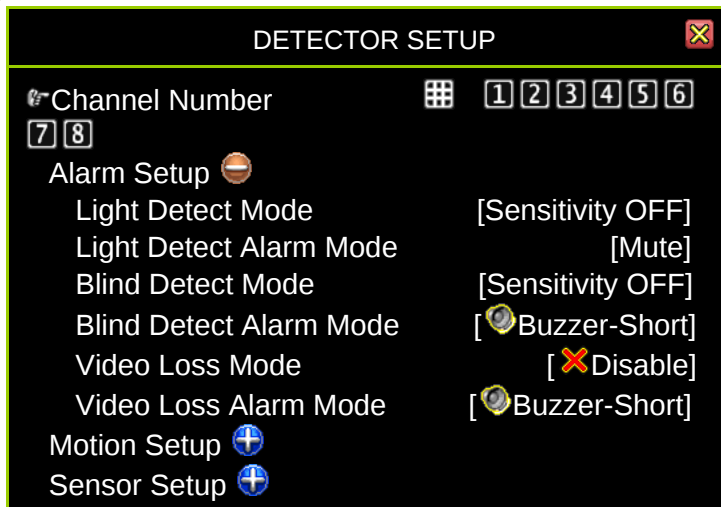


Channel Number

- Select the icon "  " (for 4Ch) or "  " (for 8Ch) to setup for all channels at one time.
- Select the icons "  " ~ "  " (for 4Ch) or "  " ~ "  " (for 8Ch) to individually setup of each channel.

Alarm Setup

Alarm Setup is accessed to configure the alarm mode of each channel, individually, or for all channels, simultaneously.



- **Light Detect Mode:** This mode will be triggered when the video input and when the light from the environment becomes faint or becomes dark unexpectedly (close to complete darkness) or there is direct exposure by intense light. This mode is related to the ambient lighting of the DVR. The light intensity settings will have no effect when using the IR cameras. Choose any of the following settings to adjust the sensitivity of light detection:
 - **Sensitivity OFF:** No sensitivity
 - **Sensitivity Low:** Low sensitivity level
 - **Sensitivity Normal:** Normal sensitivity level
 - **Sensitivity High:** High sensitivity level
 - **Sensitivity Highest:** Highest sensitivity level
- **Light Detect Alarm Mode:** Select the alarm mode when the Light Detect Mode is triggered.
 - **Mute:** No beep whatever loss of light or not.
 -  **Buzzer-Short:** Slow beeping sound from buzzer on main board.
 -  **Buzzer-Long:** Fast beeping sound from buzzer on main board.
 -  **Alarm-Short:** Short sound coming from the alarm.
 -  **Alarm-Long:** Prolonged sound coming from the alarm.
- **Blind Detect Mode:** This mode will be triggered when there is no video input (in total darkness) whether the security camera is purposefully being covered or there is a direct exposure to intense light. This detects if there is a deliberate attempt to hide the view of the camera. The light intensity settings will have no effect when using the IR cameras.
Choose any of the following settings to adjust the sensitivity of blind detection:
 - **Sensitivity OFF:** No sensitivity
 - **Sensitivity Low:** Low sensitivity level
 - **Sensitivity Normal:** Normal sensitivity level
 - **Sensitivity High:** High sensitivity level
 - **Sensitivity Highest:** Highest sensitivity level
- **Blind Detect Alarm Mode:** Select the alarm mode when the Blind Detect Mode is triggered.
 - **Mute:** No beep whatever loss of light or not.
 -  **Buzzer-Short:** Slow beeping sound from buzzer on main board.
 -  **Buzzer-Long:** Fast beeping sound from buzzer on main board.
 -  **Alarm-Short:** Short sound coming from the alarm.
 -  **Alarm-Long:** Prolonged sound coming from the alarm.
- **Video Loss Mode:** The Video Loss Mode is for detecting the loss of the camera video input.
 -  **Enable: Activates video loss detection**
 -  **Disable: Deactivates video loss detection**
- **Video Loss Alarm:** Select the alarm mode when the Video Loss Mode is triggered.
 - **Mute:** No beep whatever loss of light or not.
 -  **Buzzer-Short:** Slow beeping sound from buzzer on main board.
 -  **Buzzer-Long:** Fast beeping sound from buzzer on main board.
 -  **Alarm-Short:** Short sound coming from the alarm.
 -  **Alarm-Long:** Prolonged sound coming from the alarm.

Motion Setup

Motion Setup is accessed to configure the motion mode for the DVR channels.

✕
DETECTOR SETUP

Channel Number

8

1

2

3

4

5

6

7

Alarm Setup +

Motion Setup -

Record Detection Activate
[✓ Enable]

Motion Mode
[Sensitivity Normal]

Record Time
[10Sec]

Alarm Mode
[Mute]

Alarm Time
[10Sec]

Trigger Full Screen
[✕ OFF]

Trigger Type
[Initial Trigger]

Motion Area Setup ➡

Sensor Setup +

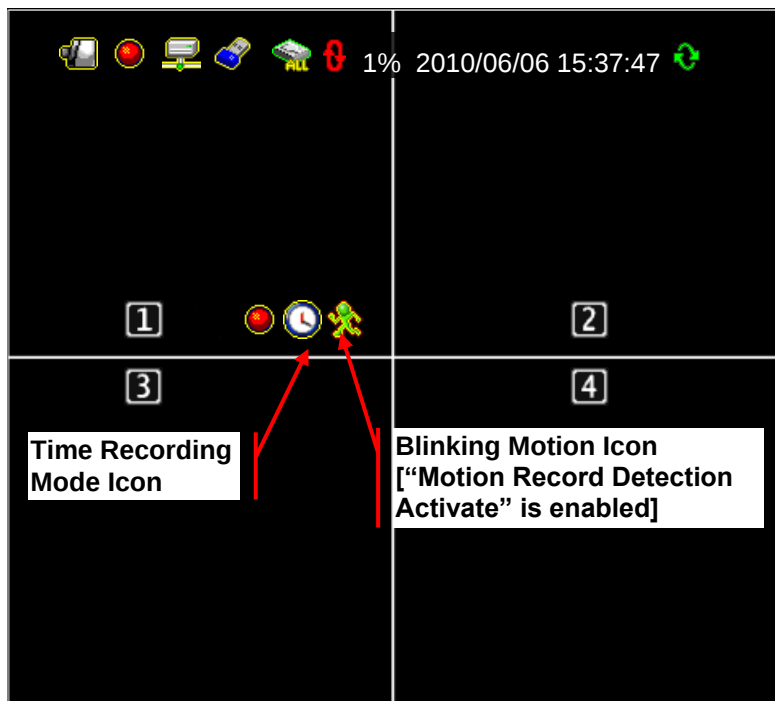


Remember to setup the motion mode period on "Record Schedule" at the main menu of "Record Setup" after completing "Motion Setup". Otherwise, the system will be recording in the default schedule recording mode.

- **Record Detection Activate (Motion Setup):** This feature activates the motion setup (allowing you to detect unusual movements) and enables the system to log motion-triggered events even when your DVR setting is in "Time Recording" mode.
 - ✓ **Enable:** Activates motion-triggered detection even when DVR is in a different recording mode. When enabled, a blinking motion icon will be found alongside the Time Recording mode icon when motion is detected.
 - ✕ **Disable:** Deactivates motion-triggered detection even when DVR is in a different recording mode

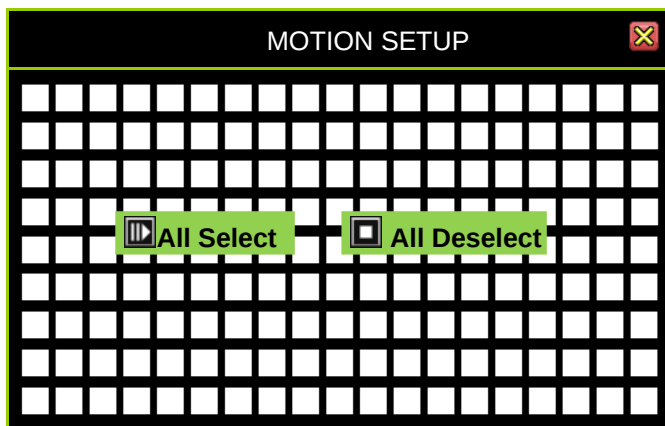


Remember to specify the area you would like monitor using the "Motion Area Setup" screen. Click on a particular channel you would like to set and then click on Motion Area Setup ➡ to define the particular area you would like to monitor.

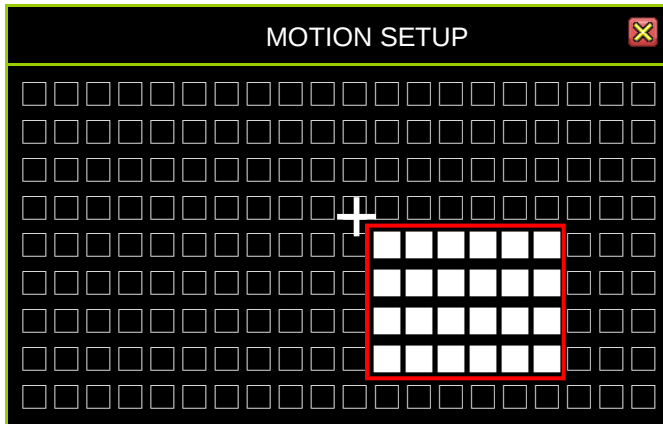


- **Motion Mode:** Choose any of the following settings to adjust the motion sensitivity parameter:
 - **Sensitivity OFF:** No sensitivity
 - **Sensitivity Low:** Low sensitivity level
 - **Sensitivity Normal:** Normal sensitivity level
 - **Sensitivity High:** High sensitivity level
 - **Sensitivity Highest:** Highest sensitivity level
- **Record Time:** Set the recording time when the Motion Mode is triggered. The recording time as 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 45sec, 60sec, 90sec, 120sec, 150sec or 180sec.
- **Alarm Mode: Select the alarm mode when Motion Mode is triggered.**
 - **Mute:** No beep whatever loss of light or not.
 -  **Buzzer-Short:** Slow beeping sound from buzzer on main board.
 -  **Buzzer-Long:** Fast beeping sound from buzzer on main board.
 -  **Alarm-Short:** Short sound coming from the alarm.
 -  **Alarm-Long:** Prolonged sound coming from the alarm.
- **Alarm Time:** The Alarm Time is the duration of the beep and may be set to: “Nonstop”(no stop), 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 35sec, 40sec, 45sec, 50sec, 55sec or 60sec.

- **Trigger Full Screen:** Trigger Full Screen is the duration of the of full-screen display when a channel is triggered.
 - **This may be set to a period between 1 to 30 seconds.**
 -  **OFF:** It will not display on full screen when the channel has been triggered. Also, the trigger area will turn to a red color.
- **Trigger Type:** There are two trigger types: Initial Trigger and Continuous Trigger.
 - **Initial Trigger:** When channel has been triggered, the triggering event will be displayed on full screen for the duration of the period set in Trigger Full Screen. During that period, this channel will ignore any other triggering events.
 - **Continuous Trigger:** When channel has been triggered, the triggering event will be displayed on full screen for the duration of the period set in Trigger Full Screen. The channel is, however, still actively monitoring during that period. Should there be a new triggering event, this channel will display the more recent event and restart the display period.
- **Motion Area Setup:** The Motion Setup allows the user to block multi areas on screen for every single channel as motion detection area. Select a channel to set.
 -  **All Select:** Highlights the entire view displayed on the screen (as seen by the camera)
 -  **All Deselect:** Removes the selection from the entire view displayed on the screen (as seen by the camera)



Use the mouse to move around and select the area. After positioning, click on the right button of the mouse to save it.



There will be no response in Motion Mode when the Motion Area Setup has not been completed.

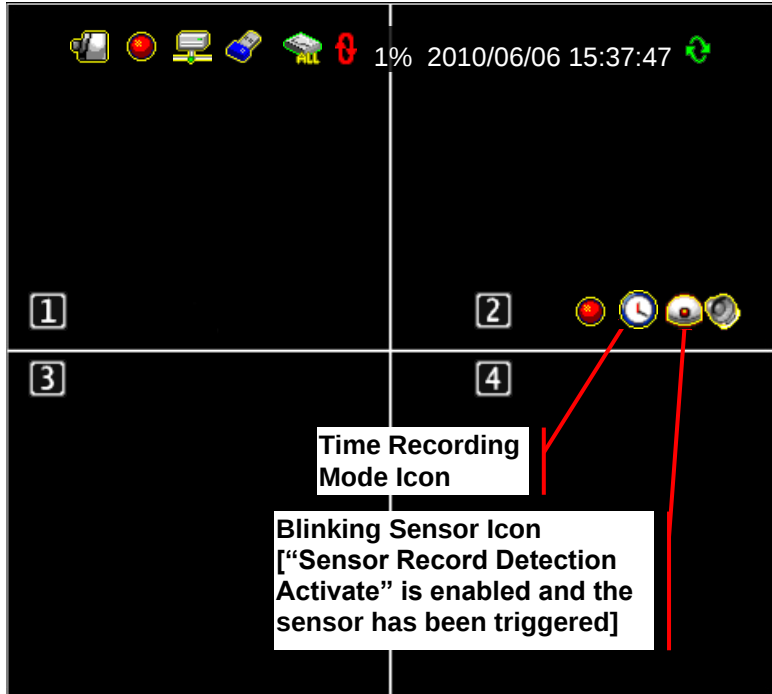
Sensor Setup

Sensor Setup is accessed to configure the sensor mode for each channel or all channels.



Remember to set up the sensor mode recording for your desired period on the "Record Schedule" menu in "Record Setup" after completing "Sensor Setup". Otherwise, the system will still be recording in the default recording mode.

- **Record Detection Activate (Sensor Setup):** This feature activates the sensor setup (allowing you to detect unusual movements picked up by the sensor) and enables the system to log sensor-triggered events even when your DVR setting is in "Time Recording" mode.
 -  **Enable:** Activates sensor-triggered detection even when DVR is in a different recording mode. When enabled, a blinking sensor icon will appear beside the Time Recording mode icon once the sensor is tripped.
 -  **Disable:** Deactivates sensor-triggered detection even when DVR is in a different recording mode (i.e. Time Recording Mode)



The sensors need to be properly mapped to a channel and set according to their operation characteristics (i.e. normally open or normally closed) when using Record Detection Activate in the Sensor Setup.

- **Sensor Mode:** This parameter enables or disables sensor mode detection.
 -  **Enable:** Activates sensor mode for Sensor Recording Mode
 -  **Disable:** Deactivates sensor mode for Sensor Recording Mode
- **Sensor Device Setup:** This feature is to easily map a sensor port to a particular channel without having to remove any wires. Click on a channel you would like to map with a sensor. Select whether the sensor type is normally open or closed. It depends on the characteristics of the sensor you intend to use.



SENSOR DEVICE SETUP

✕

Restore Default Setting

Channel Select

[1 8]

1

2

3

4

1				
2				
3				
4				
5				
6				
7				
8				

- **Normal – Open:** The sensor type is in a normally open state.
- **Normal – Close:** The sensor type is in a normally closed state.

- **Record Time:** Set the recording time when the Motion Mode is triggered. The recording time as 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 45sec, 60sec, 90sec, 120sec, 150sec or 180sec.
- **Alarm Mode: Select the alarm mode when Motion Mode is triggered.**
 - **Mute:** No beep whatever loss of light or not.
 - **Buzzer-Short:** Slow beeping sound from buzzer on main board.
 - **Buzzer-Long:** Fast beeping sound from buzzer on main board.
 - **Alarm-Short:** Short sound coming from the alarm.
 - **Alarm-Long:** Prolonged sound coming from the alarm.
- **Alarm Time:** The Alarm Time is the duration of the beep and may be set to: "Nonstop"(no stop), 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 35sec, 40sec, 45sec, 50sec, 55sec or 60sec.
- **Trigger Full Screen:** Trigger Full Screen is the duration of the of full-screen display when a channel is triggered.
 - **This may be set to a period between 1 to 30 seconds.**
 - **OFF:** It will not display on full screen when the channel has been triggered. Also, the trigger area will turn to a red color.
- **Trigger Type:** There are two trigger types: Initial Trigger and Continuous Trigger.

- **Initial Trigger:** When channel has been triggered, the triggering event will be displayed on full screen for the duration of the period set in Trigger Full Screen. During that period, this channel will ignore any other triggering events.
- **Continuous Trigger:** When channel has been triggered, the triggering event will be displayed on full screen for the duration of the period set in Trigger Full Screen. The channel is, however, still actively monitoring during that period. Should there be a new triggering event, this channel will display the more recent event and restart the display period.

2.6 Authentication Setup

Authentication Setup manages the authorization for accounts, passwords, and permissions.



Click on the Authentication Setup icon  or "Authentication Setup  on the Main Menu. Click the following icons for authority management

AUTHENTICATION SETUP										
Account ID	Passwd									
 admin	* * * * *	✓	✓	✓	✓	✓	✓	✓	✓	✓
 power	* * * * *	✗	✓	✓	✓	✓	✓	✓	✓	✓
 police	* * * * *	✗	✗	✗	✓	✓	✓	✓	✓	✓
 guest	* * * * *	✗	✗	✗	✗	✗	✗	✗	✓	✓
 Option  Create  Delete										

Click the icons for setting:

- | | |
|--|---|
|  : Indicates a disabled account |  : Indicates an active account |
|  : Permits access to function |  : Disables access to function |
|  : Creates a new account |  : Deletes an account |

	Account ID: Enter characters as the account ID Passwd (Password): By entering six numbers as password
---	---

Click "[ Option] for expiration date setup

AUTHENTICATION SETUP			
Account ID	Passwd	Expiration Date	
 admin	* * * * *	✗	Never Expires
 power	* * * * *	✗	Never Expires
 police	* * * * *	✗	Never Expires
 guest	* * * * *	✓	2010/6/12 17:04:08
 Option  Create  Delete			

Click the icons for setting:



: No expiration date



: Sets the expiration date

Click "[Option] for channel monitoring setup

AUTHENTICATION SETUP			
	Account ID	Passwd	Video Monitoring
	admin	* * * * *	1 2 3 4 5 6 7 8
☐	power	* * * * *	1 2 3 4 5 6 7 8
☐	police	* * * * *	1 2 3 4 5 6 7 8
☐	guest	* * * * *	1 2 3 4 5 6 7 8

Click the icons for setting:



- (for 4Ch), (for 8Ch): Enables the account to monitor all channels. The icon turns orange when enabled.
- " ~ , " ~ " or " ~ ": Enables the account to monitor the specific channels. The icon turns green when enabled. Disabled accounts are indicated by white icons.

Click "[Option]" for audio monitoring setup

AUTHENTICATION SETUP			
	Account ID	Passwd	Audio Monitoring
	admin	* * * * *	
☐	power	* * * * *	
☐	police	* * * * *	
☐	guest	* * * * *	

[Option] [Create] [Delete]

Click the icons for setting:



: Allows the user to monitor audio recording from the channels



: Does not allow the user to monitor audio recording from the channels



Disabling all accounts means that access is available to all users without a password. Disabling all users to access the specific function means that all users can access only specific functions.

2.7 System Setup

System Setup sets the Language, Viewing, Date/Time, Sequence, Button Beep, Input Device, and other

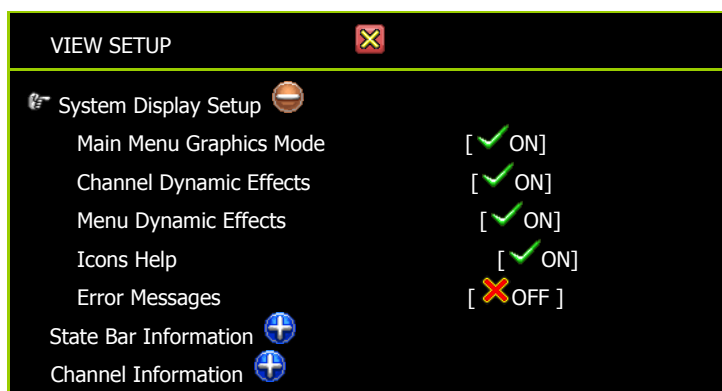
relevant parameters. Click on the System Setup icon  or "System Setup  " on the Main Menu.



Language Selection: Language Selection is used to select the language for the on-screen display (OSD) Menu.

View Setup

View Setup is for choosing to display certain illustrations and DVR information.



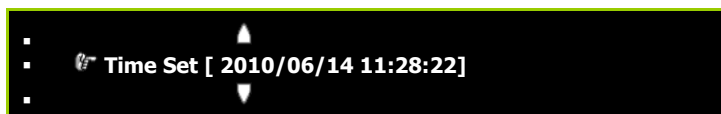
- **Main Menu Graphics Mode:** Sets the main menu displayed by graphic icons or text mode.

- **Channel Information:** Enable or disable the channel information icons is set and shown on the home screen.
 -  ~  (4Ch)  ~  (8Ch) The Channel Number Icon
 - : Recording Light
 - : Video Loss (Flashing)
 - : Record Mode (Not Flashing)
 - : Detection Mode (Flashing)

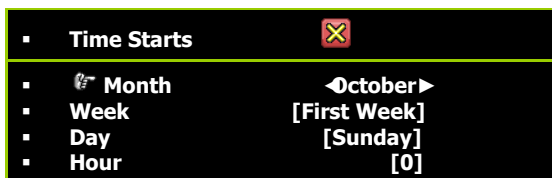
Date/Time Setup

Date/Time Setup Menu sets relevant information on date and time.

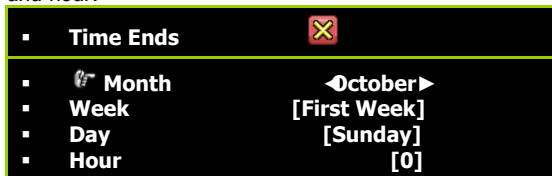
- **Date Display Mode:** Date Display Mode is used to choose a date format for the state information. The allowable formats are YYYY/MM/DD, DD/MM/YYYY, and MM/DD/YYYY.
- **Time Set:** "Time Set" is for adjusting the date and time.



- **Time Zone:** "Time Zone" is for adjusting time zone and location.
- Daylight Saving Time: **"Daylight Saving Time" is for adjusting the DST settings (for countries where it is applicable).**
 - **Activate Daylight Saving**
 - **"Activate Daylight Saving"** enables or disables the daylight saving mode.
 - **Time Starts:** "Time Starts" indicates the start date of daylight saving time. The user can set the month, week number, day, and hour.



- **Time Ends:** "Time Ends" indicates the end date of daylight saving time. The user can set the month, week number, day, and hour.



- **NTP Server:** NTP Server allows for the synchronization of the day/ time settings with the NTP server through internet.
 - **Activate Service:**
 - ✓ **Enable: Enable Synchronization**
 - ✗ **Disable: Disable Synchronization**
 - **Server IP:** The IP address of NTP server (Maximum in 24 characters)

- **Interval (Days):** The frequency (number of days) of when the server is synchronized.
- **Synchronize Now:** Start synchronizing with NTP server now



If your DVR model has a keypad, use ▲ / ▼ to change the number, «/» to move left/right to the character that needs to be changed and  to confirm and exit. Please refer to your Hardware Installation and Operation Manual to locate the said keys.

Sequence Setup

The Sequence Setup Menu is for setting the channel rotation sequence period

- **Auto Sequence:** Enables automatic activation of sequence viewing within 10 sec, 20 sec, 30 sec, 40 sec, 50 sec or 60 sec. Default setting is OFF.
- **Full Screen Sequence:** Enables or disables the full screen rotation period.
- **4 Split Sequence:** Enables or disables the 4 split display rotation period.
- **1+5 Split Sequence:** Enables or disables the 1+5 split display rotation period.
- **1+7 Split Sequence:** Enables or disables the 1+7 split display rotation period.
- **9 Split Sequence:** Enables or disables the 9 split display rotation period.



If all the sequence settings are OFF, the  (Auto Rotation) icon will not appear on the Control Bar.

Operating Auto Sequence

Auto Sequence activates the sequence settings within a given time if the Auto Rotation icon has not been pressed. This is an explanation of setting the display sequence.

If Auto Sequence is ON and all the other sequence settings (i.e. full screen, 4 split, etc.) are OFF, the screen

displays will remain static. The  (Auto Rotation) icon will not appear on the Control Bar.

If Auto Sequence and Full Screen Sequence are both ON, the display will enter the single channel view within the time set on Auto Sequence.

If Auto Sequence is OFF and Full Screen Sequence is ON, the display will enter the single channel view only

when the  (Auto Rotation) icon is clicked.

If Auto Sequence and any one of the Split Sequences are both ON, the display will enter the specified view within the time set for Auto Sequence.

If Auto Sequence is OFF and any one of the Split Sequences is ON, the display will enter the single channel view within the time set on the Split Sequence.



A quick way to determine if the display is in sequence mode is by checking if the  (Channel Rotation indicator) icon appears on the State bar.

Button Beep Setup

The Button Beep Setup configures the type of beeping sound for the mouse, keypad, and IR remote operations. The sound type can be either: [Mute], [Sound A], [Sound B], or [Sound C].

- **Beep of Mouse Buttons:** Mute, Sound A, Sound B, Sound C
- **Beep of Keypad:** Mute, Sound A, Sound B, Sound C
- **Beep of IR Remote:** Mute, Sound A, Sound B, Sound C



Keypad Beep is available for models equipped with keypad.

Input Device Setup

Input Device Setup is used to set the speed of the following input devices: mouse, keypad and IR Remote. The speeds can be assigned the following settings:

- **Mouse Moving Speed:**  OFF, Slow, Normal, Fast
- **Mouse Repeat Speed:**  OFF, Slow, Normal, Fast
- **Keypad Repeat Speed:**  OFF, Slow, Normal, Fast
- **IR Repeat Speed:**  OFF, Slow, Normal, Fast



Keypad repeat speed is available for models equipped with keypad.

Auto Exit Menu

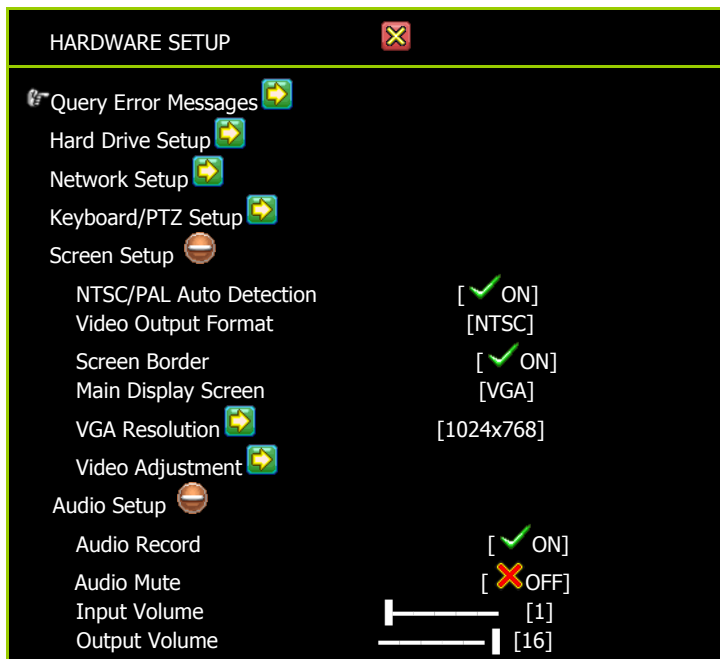
The Auto Exit Menu configures the menu to automatically revert back to the main display screen after a specified period. Set Auto Exit Menu to [ OFF] for manual exit. Otherwise, the menu will exit after 10, 20, 30, 40, 50 or 60 seconds, depending on the set time.

2.8 Hardware Setup

Hardware Setup is the menu for configuring hardware parameters including error message, hard drive, network, keyboard/PTZ, screen display and audio function.

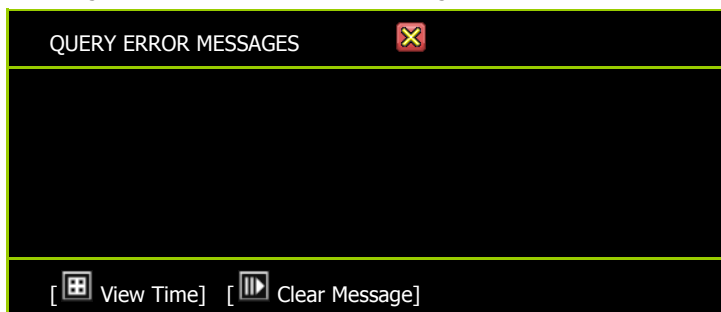


Click on the Hardware Setup icon  or "Hardware Setup  " on the Main Menu.



Query Error Message

The Query Error Message window shows the all error messages.



- [ **View Time**]: Sort error messages by time of occurrence.
- [ **Clear Message**]: Clear all error logs.

Hard Drive Setup

The Hard Drive Setup menu displays hard disk information and allows the user to enable the HDD overwriting.

Overwrite enable

- [**YES**]: The hard drive automatically writes over the oldest video on the hard drive when it runs out of space for recording.
- [**NO**]: Recording will stop when the hard drive is full.
- Max. Recording Days:** This function enables to specify the days of recording data which is retained in the hard drive. It will be required to format the hard drive once you change the limited days. Those expired recording data will be not found during event search. Once you have selected the number of days, click on "Format Hard Drive". You can set the maximum recording days as from 1 to 30 or "None" not to limit.



If you decide to move or re-assign your DVR to a different system with a different ruling on how long you can keep your videos, you have to reformat your hard drive to change the Max. Recording Days.

First Hard Disk

- Model:** Automatically displays the hard drive model number.
- HDD Size:** Automatically displays the hard drive size.
- Max. Recording Days:** Displays the current setting for the maximum number of days recorded videos are retained.
- Record Start Time:** Displays the day and time when the hard drive starts storing recorded data
- Record End Time:** Displays the day and time of the last recording on the hard drive
- Standard Record Size:** The total hard drive capacity in megabyte (MB) and the ratio of using space.
- Standard Number of event:** Total number of record events / total capacity of events and the ratio of using space.
- Format Hard Drive:** You cannot format the hard drive when the system is running in recording mode. When you attempt to do so, the following warning message will appear on the screen.

System is Recording
Hard Disk Format is Prohibited.

Network Setup

Network Setup is for adjusting network configurations.

NETWORK SETUP
✖

Network Enable
[Enable]

IP Address Setup

IP Type
[DHCP]

IP Address
[0. 0. 0. 0]

Gateway
[0. 0. 0. 0]

Subnet Mask
[0. 0. 0. 0]

MAC Address
[00:B2:95:DF:96:B7]

PPPoE Account ID
[No Definition]

PPPoE Password
[No Definition]

Management/Monitoring Setup

Server Setup

- **Network Enable**
 - [**Enable**]: Network may be used
 - [**Disable**]: Network may not be used
- **IP Address Setup:** The IP address acts as a locator or an identification number to enable a device on a TCP/IP network to locate other devices and interact with them. Certain parameters need to be set through IP Address Setup to ensure proper network communication.

NETWORK SETUP
✖

Network Enable
[Enable]

IP Address Setup

IP Type
[DHCP]

IP Address
[0. 0. 0. 0]

Gateway
[0. 0. 0. 0]

Subnet Mask
[0. 0. 0. 0]

MAC Address
[00:B2:95:DF:96:B7]

PPPoE Account ID
[No Definition]

PPPoE Password
[No Definition]

Management/Monitoring Setup

Server Setup

- **IP Type:** There are two options for IP type: Static IP address and Dynamic IP address (DHCP and PPPoE).
 - **Static IP Address:** User must manually define a static IP address. Contact the network administrator for this information.
 - **DHCP:** System gets the IP address from the router or DHCP server. Contact the network administrator for this information.
 - **PPPoE:** The Point-to-Point Protocol over Ethernet (PPPoE) is used mainly with DSL services where individual users connect to the DSL modem over Ethernet and in plain Metro Ethernet

networks. Please input the PPPoE Account ID and Password provided by the ISP. (Note: Account ID maximum in 24 characters; Password maximum in 16 characters)

- **GATEWAY:** Define gateway IP address. Contact the network administrator for this information.
- **SUBNET MASK:** A sub network, or subnet, is a logically visible, distinctly addressed part of a single Internet Protocol network. Contact the network administrator for this information.
- **MAC Address:** MAC address is a unique identifier assigned to most network adapters or network interface cards (NICs) by the manufacturer for identification. It has been set at dedicated address even reset the DVR.
- **Management / Monitoring Setup:** The Management/Monitoring Setup menu addresses the management and monitoring service for remote DVR control and viewing from the internet (i.e. Internet Explorer) browser and PC Viewer.

MANAGEMENT/MONITORING SETUP

Management Service

Activate Service [✓ Enable]

Monitoring Service

Activate Service [✓ Enable]

Port [8000]

Video Transmission Quality [Standard]

Audio Transmission [✓ ON]

UPnP

Activate Client [✗ Disable]

Port [8000]

- **Management Service**
- **Activate Service:** Enables or disables the management service for allowing remote control from IE or PC Viewer.
- **Monitoring Service**
- **Activate Service:** Enables or disables the monitoring service for allowing remote viewing from IE or PC Viewer.
- **Port:** The default port number is "8000" for DVR video and audio transmission. The range of port numbers is from 2048 to 32767. This can also be used as the web port.
- **Video Transmission Quality:** Selects the remote video transmission quality from Lowest, Low, Standard, High, and Highest.
- **Audio Transmission:** Enables [✓ ON] or disables [✗ OFF] audio transmission.
- **UPnP:** UPnP allows devices to automatically establish functional connections with other devices when connected to a network.
- **Activate Client:** Enables or disables the UPnP connection of the DVR
- **Port:** Specifies the streaming port for UPnP. This is typically an unused port.
- **Server Setup:** Configure the DNS server.
 - **Default DNS Address:** The Domain Name System (DNS) translates hostnames to IP addresses (default setting). If there is no DNS address setting or fail, DVR will go for Default DNS Address.
 - **Custom DNS Address:** The Domain Name system (DNS) translate hostnames to IP addresses (customer setting).
 - **Dynamic DNS:** Dynamic DNS is a system that allows the domain name data held in a name server to be updated in real time. Please refer to the chapter "DynDNS Service Overview".
 - **Activate Service:** Enable the Dynamic DNS service.

- **Provider:** The web site / IP Address of Dynamic DNS provider
- **Server Name:** Define a name of Dynamic DNS (Maximum in 35 characters)
- **Account:** The account name of Dynamic DNS (Maximum in 27 characters)
- **Password:** Password for Dynamic DNS. Please refer to DynDNS Service (Maximum in 27 characters).

- **E-Mail Setup:** Configure the electronic mail server.

E-MAIL SETUP 	
 Activate Service	[ Enable]
SMTP Server	[No Definition]
SMTP Port	[25]
Sender E-Mail	[No Definition]
Receiver E-Mail	[No Definition]
Email Authentication	[ NO]
Authen User Name	[No Definition]
Authen User Password	[No Definition]

- **Activate Service:** Enable or disable the email feature of the DVR. This must be enabled in order to receive an email notification.
- **SMTP Server:** Specify the name of the mail server
- **SMTP Port:** Specify the port number used by the mail server. The default value is 25.
- **Sender E-Mail:** Specify the email address of the sender
- **Receiver E-mail:** Specify the email address of the recipient
- **Email Authentication:** Activate or deactivate the email account authentication. This is for identifying and verifying if the sender has been authorized. This is typically set to [ YES] since most email server providers require this.
- **Authen User Name:** Specify the user name for email authentication
- **Authen User Password:** Specify the password for email authentication

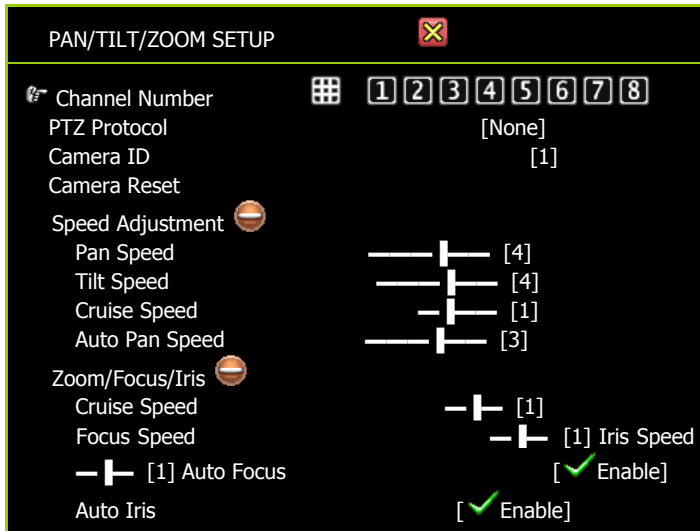
Keyboard/PTZ Setup

Configures the communication protocols between the DVR and the PTZ-capable cameras and the keyboard connected to it.

- **Pan/Tilt/Zoom Setup**

KEYBOARD/PTZ SETUP 	
 Pan/Tilt/Zoom Setup 	
RS-485 	
Baudrate	[9600]
Databit	[8 Bit]
Parity	[No Parity]
Stopbit	[1 Stopbit]
Keyboard 	
Keyboard Model	[ OFF]
Keyboard ID	[1]

The Pan/Tilt/Zoom Setup allows you to modify the PTZ settings for each channel of the DVR. These settings need to be matched to the camera you intend to connect to your DVR.



Channel Number

- The "PAN/TILT/ZOOM SETUP" supports individually setup of each channel.
- Select the icons "1" ~ "4" (for 4Ch) or "1" ~ "8" (for 8Ch) to individually setup of each channel.
- PTZ Protocol:** Provides options for the PTZ camera protocol: Pelco P, Pelco D, Televue Pelco P, Televue Pelco D, Merit LILIN (3B), Merit LILIN (7B), HiSharp, Nicecam and Elitar.
- Camera ID:** Adjusts the identification number based on the local settings of your camera. This value may be any number from 1 to 255. Use the arrows (↑ and ↓) to select.



- Speed Adjustment:** These pertain to the panning, tilting, and cruising speeds of your camera.
 - Pan Speed:** can be set between 0 to 8.
 - Tilt Speed:** can be set between 0 to 8.
 - Cruise Speed:** can be set between 0 to 3.
 - Auto Pan Speed:** can be set between 0 to 5.
- Zoom/Focus/Iris:** These pertain to the zoom, focus, and iris adjustment settings of your camera.
 - Zoom Speed :** can be set between 0 to 3.
 - Focus Speed :** can be set between 0 to 3.
 - Iris Speed :** can be set between 0 to 3.
 - Auto Focus :** can be Enabled or Disabled.
 - Auto Iris :** can be Enabled or Disabled.
- RS-485:** The DVR uses the RS-485 standard for PTZ communication. The following settings must be configured in parallel with the local settings of the camera for the system to function properly.
 - Baudrate:** Select a baud rate: 1200, 1800, 2400, 4800, 9600, 14400, 19200, 38400, 57600 or 115200.
 - Databit:** Select a data bit communication protocol: 8-bit or 7-bit

- **Parity:** Select a parity configuration: Odd, Even, or No Parity
- **Stopbit:** Select a stop bit configuration: 1 Stopbit or 2 Stopbit



Pan/Tilt/Zoom and RS-485 Settings may vary for each camera. Be sure to match local camera settings to those you input on the DVR.

▪ **Keyboard**

- **Keyboard Model:** Select the keyboard model you are using: OFF (if there is no keyboard), CK101, CK201, KB-KT301, EL-PT800
- **Keyboard ID:** Adjusts the identification number based on the local settings of your keyboard. This value may be any number from 1 to 16.
- **Keyboard Protocol:** Provides options for the keyboard communication protocol: Pelco P, Pelco D, Televue Pelco P, Televue Pelco D, Merit LILIN (3B), Merit LILIN (7B), HiSharp, Nicecam and Elitar. This setting depends on the keyboard model being used.

▪ **Screen Setup:** Adjusts the video format and resolution of the display device.

- **NTSC/PAL Auto Detection:** The system will automatically detect the video format NTSC/PAL from the video source, i.e. security cameras.
- **Video Output Format:** The selection of video output format NTSC or PAL is available while the "NTSC/PAL Auto Detection" function is disabled.

▪ **Screen Border**

- [ON] : To show the border
- [OFF] : Not to show the screen border.

- **Main Display Screen:** Provides options to connect the main display screen to either a BNC or VGA port (Labeled as "VIDEO-OUT").
- **VGA Resolution:** Sets the resolution as 640x480, 800x600, 1024x768 or 1280x1024. The default setting for VGA resolution on the DVR is 800x600. Some monitors that may be connected to the VGA port may not support this resolution and this may result to unclear images on the display. You can adjust the setting to a higher value to ensure clarity of the video.
- **Video Adjustment:** Adjusts the position of main display on the monitor when connect the main display screen to BNC port (Labeled as "VIDEO-OUT"). Adjust the image position by using the mouse left-click button to follow the direction change of cursor icon · up / · down / · right/ · left. Press [Default] to load the default location.

▪ **Audio Setup:** Audio Setup relates to the settings for the audio device that may be connected to your DVR.

▪ **Audio Record**

- [ON] : Enables audio recording
- [OFF] : Disables audio recording

▪ **Audio Mute**

- [ON] : Mutes the sound
- [OFF] : Allows for sound to be heard

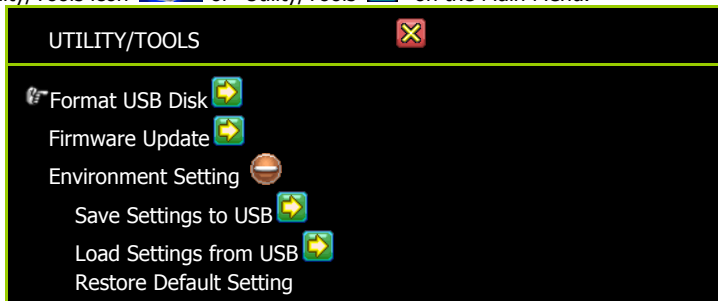
- **Input Volume:** Adjusts the input volume from 1 to 16.
- **Output Volume:** Adjusts the output volume from 1 to 16.

2.9 Utility/Tools

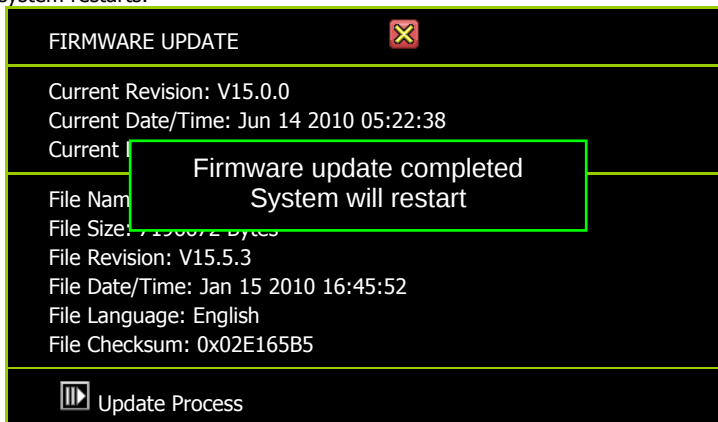
These tools help you to format the USB stick drive, to update firmware, to export event logs and to load or restore the environment configuration.



Click on the Utility/Tools icon or "Utility/Tools" on the Main Menu.



- **Format USB Disk:** The system supports USB pen drives and USB card readers with the FAT32 device file format. Please format the drive (using the file format function) if it is not in FAT32 otherwise an error will occur during backup. The file format function helps you format USB device to improve its compatibility with the DVR for storing video data into your USB device.
- **Firmware Update:** The firmware is updated by using a USB pen drive that contains the latest firmware file. Attach the external USB disk into the USB port on DVR front panel. Once the USB device is connected to the port, the DVR will take a few seconds to search for the firmware. If there is a mistake or missing file on the drive, it will show: **File not found or Disk Error** on the bottom line. Please check USB disk or file. Re-attach disk to the port. Once the firmware has been found, its file name, revision number, revision date and time, file language and checksum are displayed. Click this button on begin the upgrade.
When the DVR is updating the firmware, a status bar will appear at the bottom.
After firmware update is completed, Firmware update completed. System will restart is displayed, and then the system restarts.



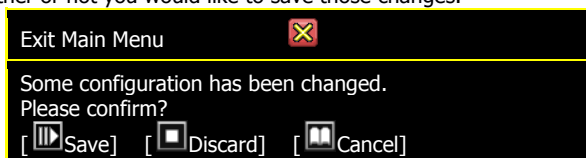
Environmental Setting

- **Save Settings to USB:** This tool can help you duplicate the system environment configuration and store it on the USB device. You can use this to swiftly deploy your other DVR systems which will be using the same configuration.
- **Load Settings from USB:** This tool can help you load the system environment configuration from the USB device.
- **Restore Default Setting:** This command resets the system to its default settings.

2.10 Exit Main Menu

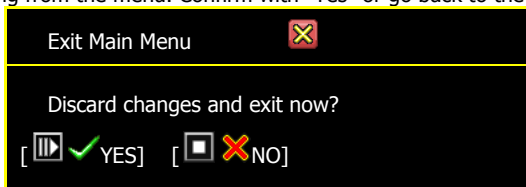
The Exit Main Menu window provides options to save or discard changes before exiting.

Click on the  icon if you access this from the Main Menu in Graphics Mode. If you have made changes, you will be asked whether or not you would like to save those changes.



Otherwise, in the regular Main Menu mode, you are presented with the following window:

- **Exit & Save Changes:** All changes are saved before exiting from the menu.
- **Exit & Discard Changes:** All changes are ignored (The changes will not be saved and will take no effect.) before exiting from the menu. Confirm with "Yes" or go back to the menu by choosing "No".

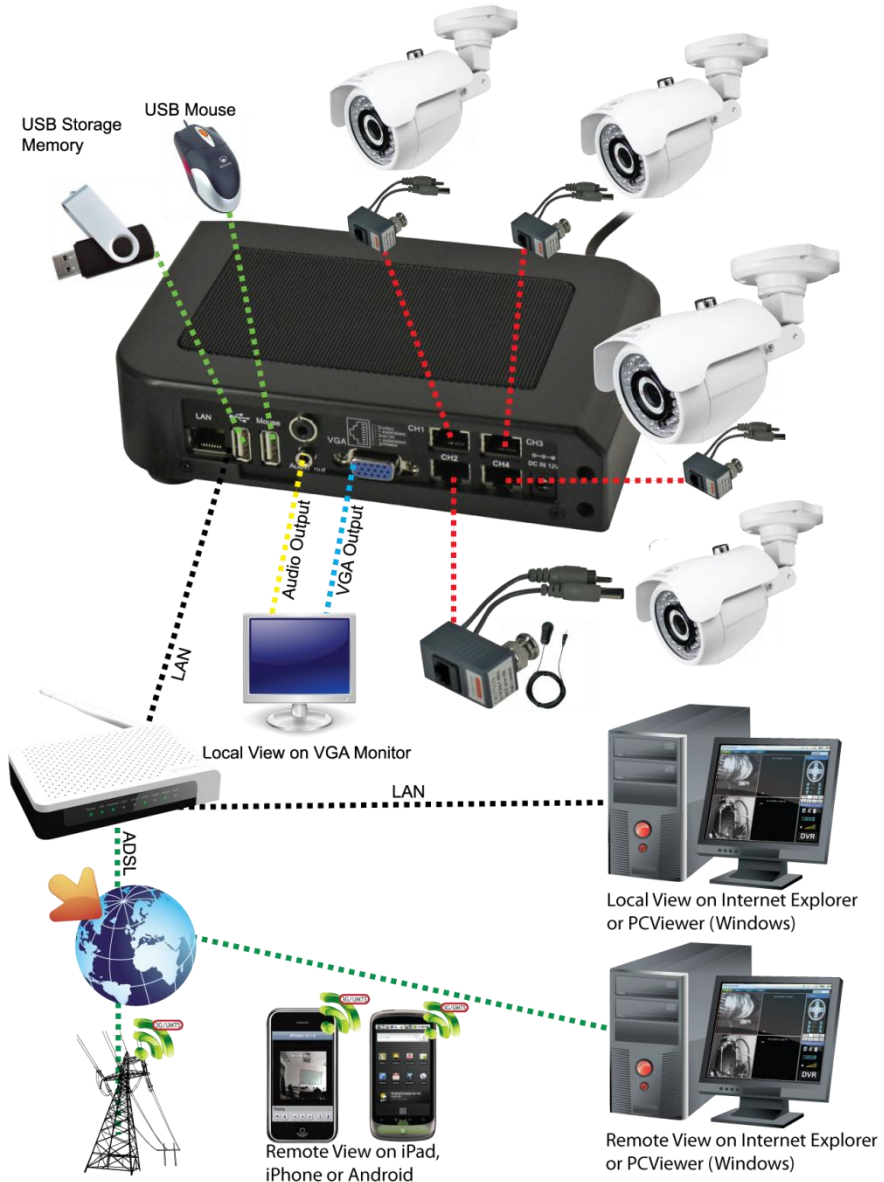


3. NETWORK

There are 3 ways in order to watch the video of DVR using LAN.

- **Internet Explorer** (with Active X).
- **iPhone/iPad (SecuViewer).**
- **PC Viewer** (please check the manual on the CD).

Please check the following image.



3.1 WEB BROWSER VIEWER (Internet Explorer)

This section introduces the remote viewing and control through Web Browser Viewer. This function is supported only in the IE browser. You may encounter abnormal operations if you use other browsers.

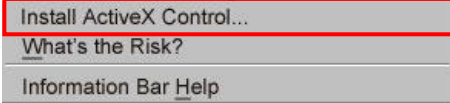
- Install the Active-X directly from the webpage (For initial installation). Refer to the following example to enter the Web Browser Viewing:
- Start up IE Explorer and enter the DVR IP address to IE address bar.
(click on **Network Information** on the control Bar)



- An alert message occurring **Install ActiveX control** on the tool bar.

? This site might require the following ActiveX control Click here to install...

- Click on this alert message and select **Install ActiveX Control**.

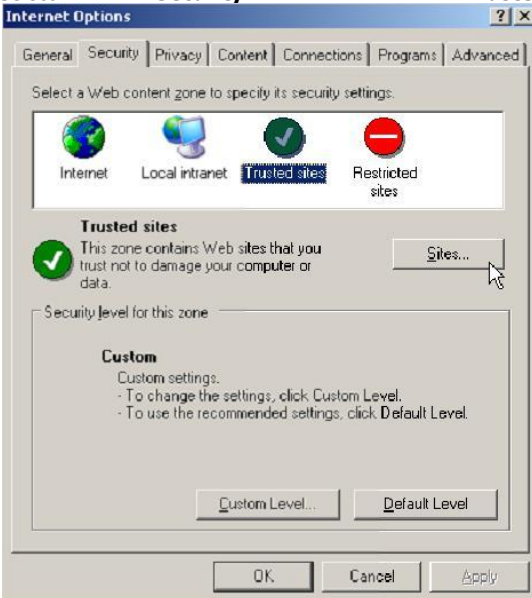


- If the message **Your security Settings do not allow web sites to use ActiveX controls installed on your computer** pops up when logging in, please follow following instruction.

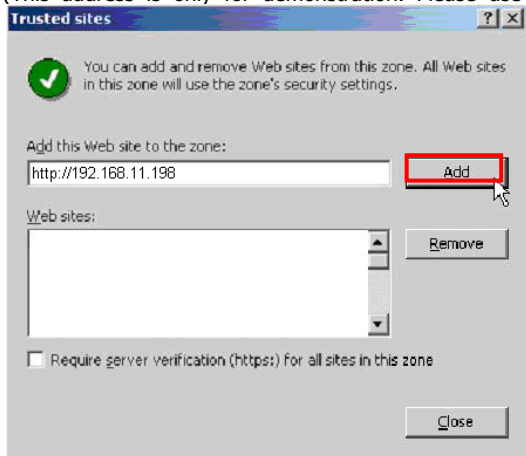
- Select the IE browser "Tools" on the tool bar and select "Internet Options"



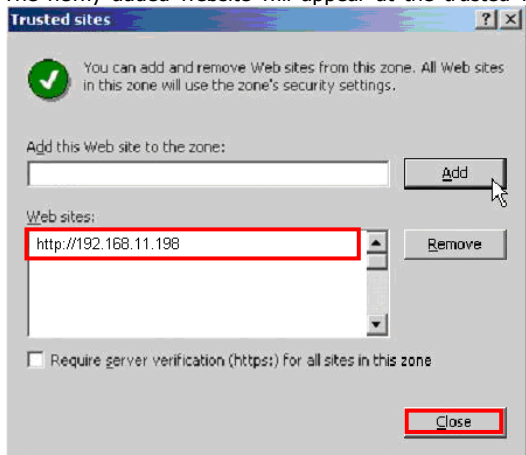
- Select **Security** → **Trusted Sites**



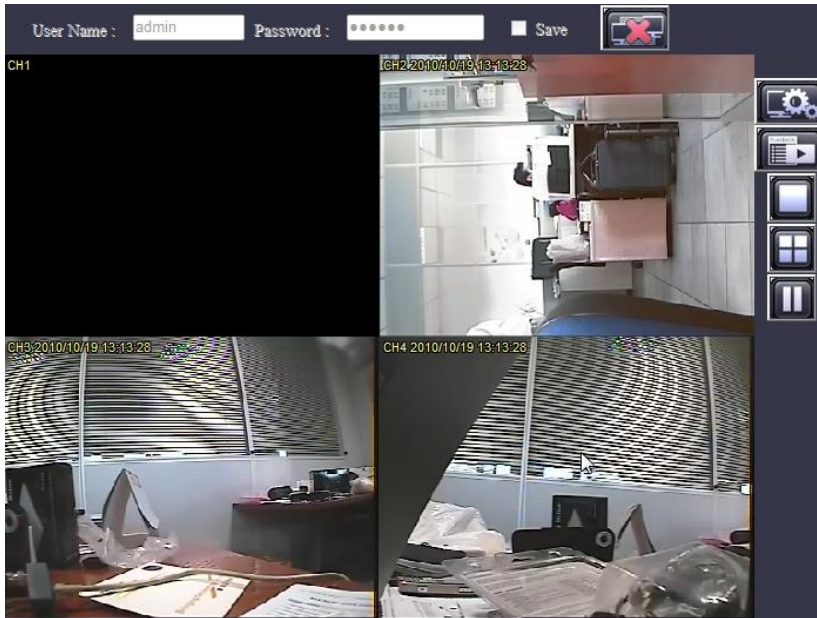
- Enter the DVR address into the blanks shown in picture, and click **add**. (This address is only for demonstration. Please use the IP address linked to your on-site DVR.)



- The newly added website will appear at the trusted web sites list. Press **Close** to leave the menu.



- Go back to the internet browser (IE) window, press refresh button or F5. You will enter the Web Browser Viewer login page.
- Enter the designated user name and password. (Enter the default user name **admin** and password **123456** if you did not change the DVR Authentication settings.) Then press the "  " icon to connect to the DVR from the remote site.



- : Web Browser Viewer Operation



- : Search page



- : Switching the Channel Displays (or double click the channel to display single channel in full view).



- : Display four channels in full view (or double click the full view display to switch into four channels display).

3.2 Install SECVIEWER for iPad® & iPhone®

SecuViewer is the free software available for the DVR user to connect to the DVR for remote monitoring through the iPhone/iPad.

- Please search the SecuViewer on iPhone **App Store**.



- Please search the **SecuViewer** on iPhone **App Store**. Tap on the icon **Free**. It will change to the icon **Install**. Tap on the **Install** icon to install SecuViewer.



- You can see the **SecuViewer (IOS 4.0 is required)** icon on the iPhone main screen.



▪ SecuViewer Interface Overview.



	Connect to the DVR
	Stop the DVR connection
	Switch the channel button (CH1~CH4)
	Setup the DVR connection
	SecuViewer simple operation guide
1	Display channel one
2	Display channel two
3	Display channel three
4	Display channel four

▪ Connect to the DVR. Select the Setup () icon to setup the DVR connection.



Network IP Address

Network Port

User Name

Password

Please setup all information to connect to the DVR:

- Network IP Address: Enter the DVR IP Address or Router WAN IP.
- Network Port: Enter the network port (default is **8000**).
- User Name: Enter the user name (default is **admin**).
- Password: Enter the password (default is **123456**).
- When you are done with the setup, tap on then **Ok** icon.



3.3 Install SECUVIEWER for Android

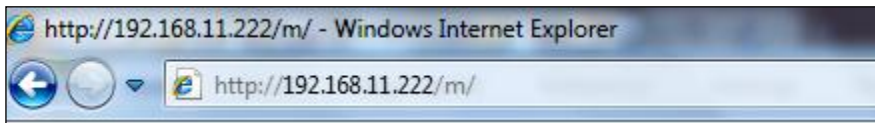
SecuViewer is the free software available for the DVR user to connect to the DVR for remote monitoring through the Android.

- Please search the **SecuViewer** on **Market** and install it.
- Check the previous section **3.2** for more instructions.

3.4 Mobile WebViewer

H.264 DVRs support viewing through via a 3G or WiFi connection. This section illustrates the steps for accessing the DVR using mobile device with a Symbian™, Android™, BlackBerry™ or Mac™ operating system.

- Follow the instructions for installing the DVR. Assign an IP address for the DVR.
- Open the web browser. Type in the IP address or hostname of the DVR followed by an "m" and a "/". It would look like the following examples:
- Example 1: The DVR's IP address is 192.168.11.222, please write: **http://192.168.11.222/m/**



- Example 2: The DVR's DDNS address is xxx.dvrdns.org and its remote monitoring port is 8000, please write: **http://xxx.dvrdns.org:8000/m/**
- A window requiring account information (i.e. user name and password) will appear. Enter the authorized ID and password. Press the "Login" button.
- If the DVR does not require authorization, leave the fields blank and press the "Login" button.

User:	admin
Password:	••••••••
Login	

- The first channel (CH1) of the DVR will appear on the screen of the mobile device. Select the channel to be viewed, the desired resolution, and the refresh time from the drop-down menus.
- Channel Number: CH1~CH4 (4Ch DVR), CH1-CH8 (8Ch DVR), CH1~CH16 (16Ch DVR)
- Resolution: QCIF (Quarter CIF), CIF, or H/D1 (Half D1).
- Refresh Time: 1sec, 2sec, 5sec, 10sec, or 30sec
- RUN: Allows the user to refresh the display on the screen



4. PC VIEWER

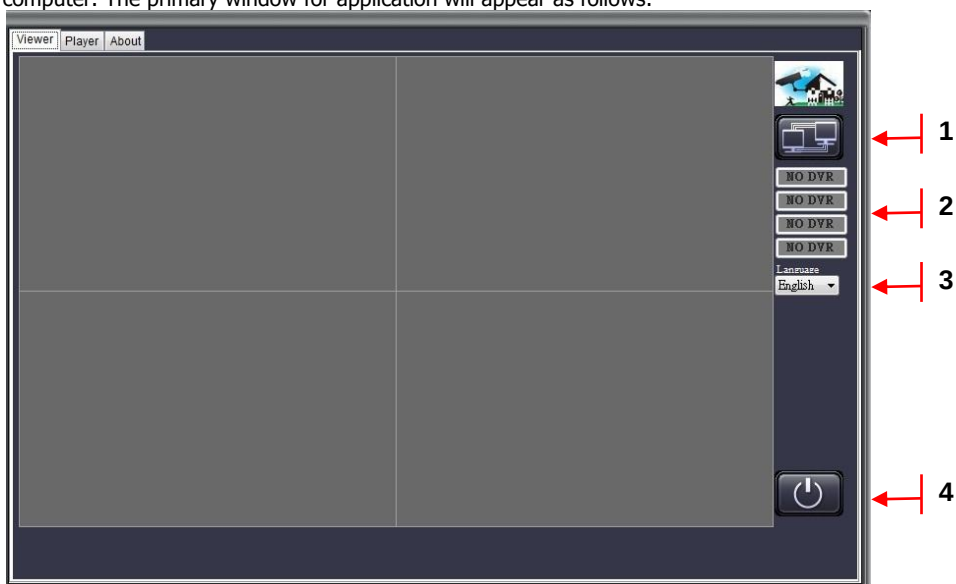
PC Viewer will help you review and play back the stored video data on the Windows platform computer.



The PC Viewer works best with a display resolution of above 800x600. Please set your PC monitor's resolution to a value higher than this.

4.1 Installation and Overview

- Please refer to the attached CD. Run "PC Viewer" to playback the DVR video data. Windows OS platform requires that the **application be run as the administrator user**.
- It is suggested that you install the DirectX software. It provides a smoother display of the PC Viewer video on the computer.
- The PC Viewer supports remote viewing and control for a maximum 4 DVR connections.
- Click on the PC desktop icon "PC Viewer" to execute the PC Viewer on the Windows-based computer. The primary window for application will appear as follows:



No.	Function
1	Opens the DVR connection window
2	Indicates the name of the DVR connections
3	Selects the language for the PC Viewer
4	Closes the PC Viewer application

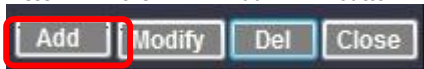
4.2 Connect PC Client to DVR

This section describes how to manage the DVR connection window.

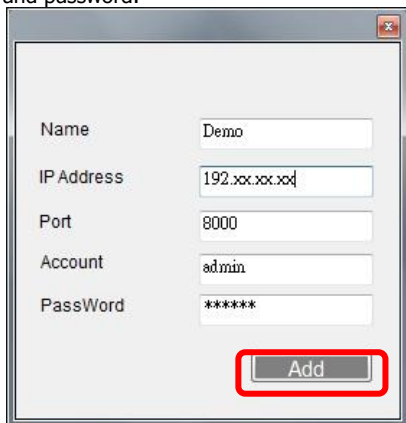
- Click the button  to open the DVR connection window. From here, the user can Add, Modify or Delete a DVR connection.



- Press the "Add" button to create a DVR connection.



- Type in the DVR name, DVR IP address, port number (Default port number is 8000), account name, and password.



- Once you close the "Add" menu, the DVR list will show the new DVR connections.



New Connections

- Tick on the box beside the DVR name. The check mark indicates that the DVR will be displayed on the PC Viewer. Click on the "Close" button to close.



To modify or delete a DVR from the list, click on the DVR name and allow for the blue highlight to appear. This highlight marks the DVR you have chosen to operate on.

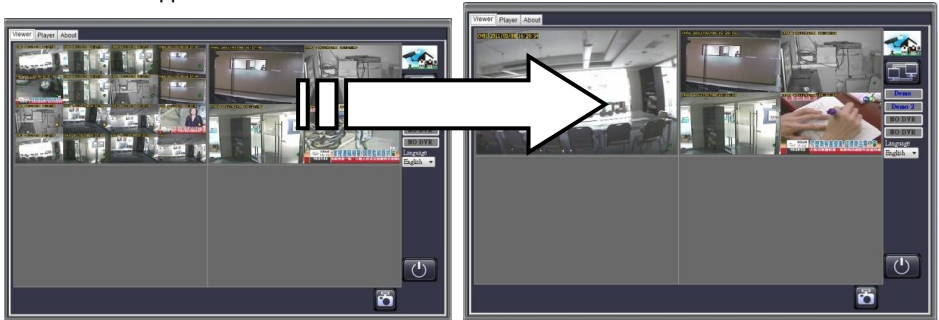
4.3 Switching the Channel Displays

The PC Viewer can easily switch viewing between the digital recorders connected to it. As seen from the main screen, the display is divided into quadrants (four areas). Each quadrant is associated to one DVR. This section briefly illustrates how to:

- switch display on the quadrant from multiple channels (4 or 8) to a single channel
- switch display on the quadrant from a single channel to multiple channels (4 or 8)
- switch display on the screen from multiple DVRs to one DVR
- switch display on the screen from one DVR to a single channel on that DVR

Display a single channel on one quadrant

- Double click on the channel you would like to display on the quadrant that it is in.
- The screen will appear as follows:



Display 4/8 channels viewing on one quadrant

- Double click on the single channel on the quadrant to view multiple channels.
- The screen will appear as follows:



Display a single DVR connection display in full view

- Click on the DVR connection button on the right-hand side of the screen to display your selected DVR in full screen view.
- The screen will appear as follows:



Display single channel from one DVR in full view

- Double click the specific channel you would like to display in full view or click the "📺" icon to switch the display.
- The screen will appear as follows:



The 📺, 🖼️, 🖼️, and 🖼️ icons are for single, 4-channel, 9-channel, and 16-channel views, respectively.

Pause Live Viewing

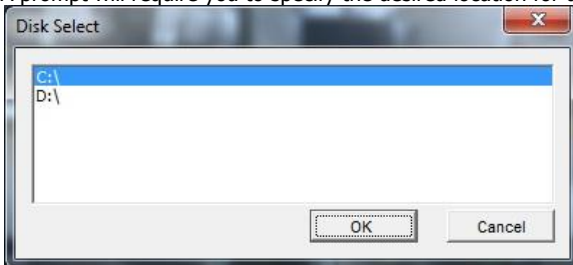
- Click on the "⏸️" icon to pause the current viewing.



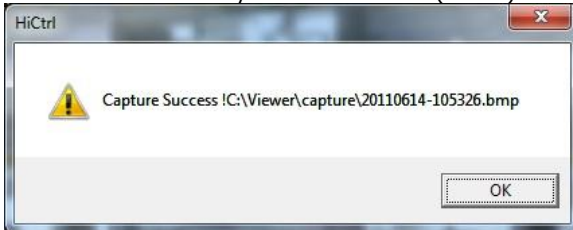
- Capture Still Image
- Click on the 📷 icon to capture still image of the view that is currently displayed on the screen.



- A prompt will require you to specify the desired location for the file.



- A BMP file is automatically saved into a folder (Viewer) located in the drive you have specified:

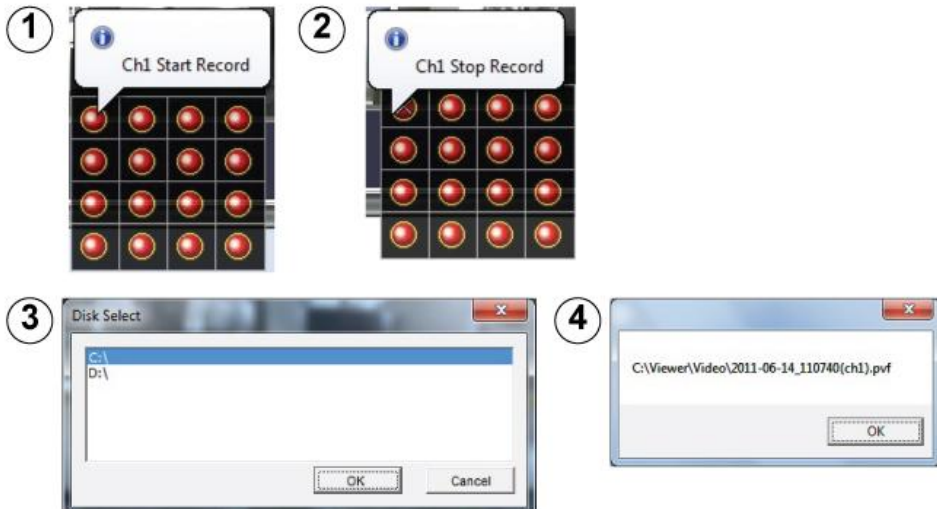


Live Backup

- Click on the "📹" icon for live backup. This allows you to record the video stream instantly.



- Select which channel you want to record. When you stop the recording, a pop-up screen will direct you to select the drive where you want to store your file. The PVF will be stored in a folder (Viewer) in the chosen drive.



PTZ Control

- This interface allows the user to operate the PTZ camera connected to the DVR via the PC Viewer.

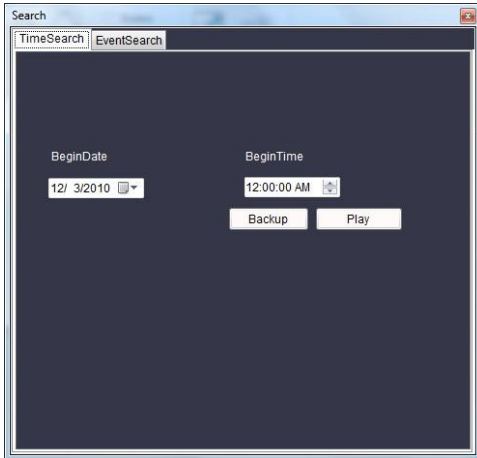


The PTZ button on the PC Viewer only appears for DVRs that have a PTZ camera connected to it.

Icon	Name	Function
	Left Limit	Set the left limit of auto pan
	Right Limit	Set the right limit of auto pan
	Patrol	Start / Stop the auto pan mode
	Cruise	Start / Stop the cruise mode
	Set	Set preset position
	Call	Call preset position
	Clear	Clear preset position
	Zoom In	Tap the button to zoom in
	Zoom Out	Tap the button to out
	Auto Iris	Set as auto iris
	Iris Open	Tap the button to make a selection
	Iris Close	Tap the button to cancel a selection
	Auto Focus	Set as auto focus
	Focus Near	Tap the button to focus near
	Focus Far	Tap the button to focus far
	Directional Button	Move to top-left / top / top-right
	Directional Button	Move to left / stop / right
	Directional Button	Move to bottom-left / bottom / bottom-right
	PTZ ID	Select the ID of the PTZ camera

4.4 Remote Playback

Click on the  icon to display the remote playback interface on your PC Viewer. A selection window will allow you to select between **Time Search** or **Event Search**.



Preview of the Control Bar

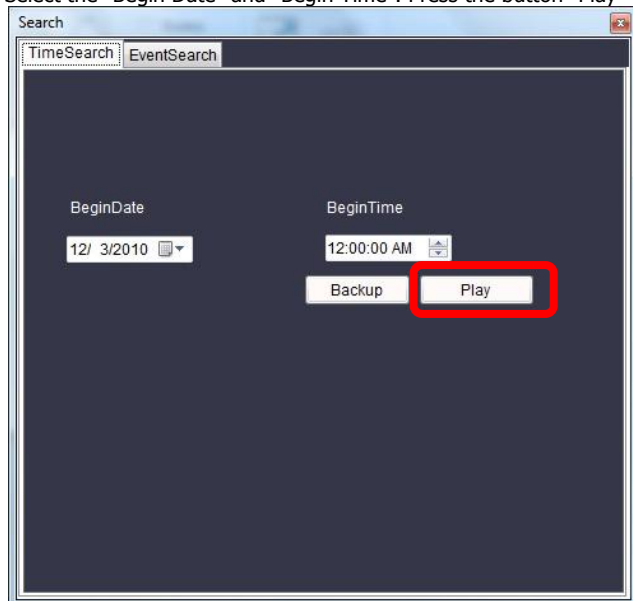


No.	Name	Function
1	Fast Backward 2x	Plays backward faster by twice the normal speed
2	Fast Backward 1x	Plays backward faster by 1x the normal speed
3	Playback	Starts the video playback
4	Fast Forward 1x	Plays forward faster by 1x the normal speed
5	Fast Forward 2x	Plays forward faster by twice the normal speed
6	Pause	Pauses the video playback
7	Stop	Stops the video playback
8	Time Bar	Adjust the playback time
9	Video Scroll Bar	Pans through a video as the button is moved
10	Volume	Volume switch

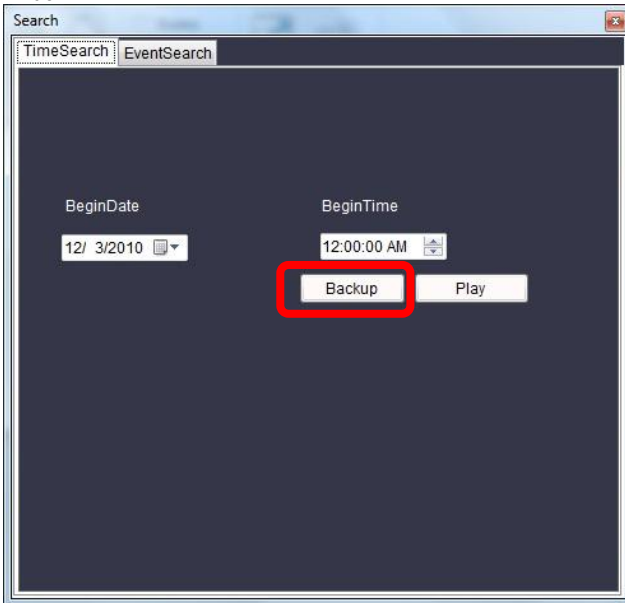
Playback by Time Search

Time Search allows you to select the start time of the recording you would like to review in playback.

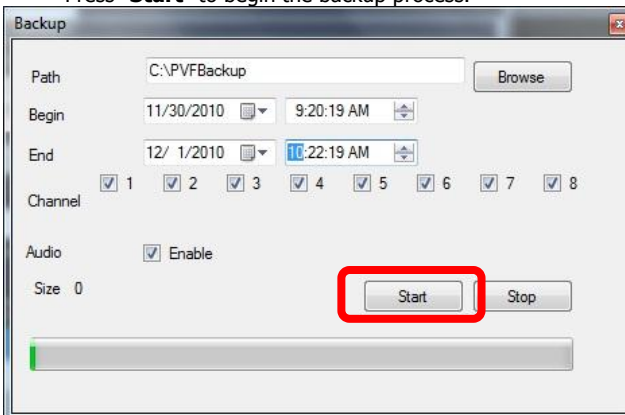
- Select the "Begin Date" and "Begin Time". Press the button "Play" to start video playback.



- While reviewing the video, you can click on the  button to go back to the **Time Search** control window.



- Press the **"Backup"** button to create a copy of the video. The succeeding menu will require you to set the following:
 - Path: Click on the "Browse" button to specify the location where you would like to store the file.
 - Begin: Select the start date and time for the video you would like to create a copy of.
 - End: Select the end date and time for the video you would like to create a copy of.
 - Channel: Select the channel or channels from which the backup video or videos will be taken from.
 - Audio: Enables the inclusion of audio into the backup
 - Size: The file size automatically adjusts according to the duration (start and end time) set by the user.
 - Press **"Start"** to begin the backup process.



Playback by Event Search

Event Search allows you to specify a time. In the Event Search menu, you will be asked to set the following:

- Event Begin Date: Select the start date for the video you would like to play back.
- Event Begin Time: Select the start time for the video you would like to play back.
- Event End Date: Select the end date for the video you would like to play back.
- Event End Time: Select the start time for the video you would like to play back.
- Event: Select the type of event you are searching for. The drop-down lists: Hardware, Normal, Warning, Record, All
- Press the button **"Search"** to start video playback.

The screenshot shows the 'EventSearch' tab in the 'Search' window. The search criteria are set as follows:

- Event BeginDate: 11/30/2010
- Event BeginTime: 9:00:00 AM
- Event EndDate: 12/ 1/2010
- Event EndTime: 12:00:00 AM
- Event: Record

Below the search criteria are two buttons: 'Backup' and 'Search'. The 'Search' button is highlighted with a red rectangular box. Below the buttons is a pagination bar with '<<' and '>>' arrows and a list of numbers 1 through 10. At the bottom is a table with columns 'ID', 'Event', 'Ch', and 'Time', which is currently empty.

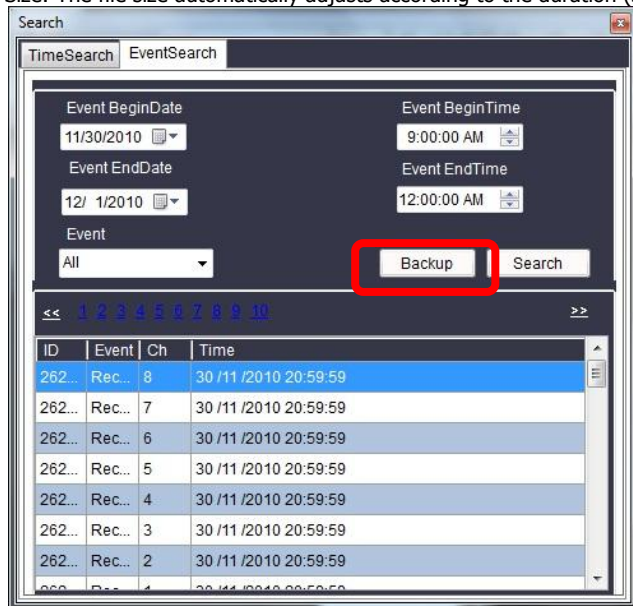
- You will see the search result table similar to the following figure:

The screenshot shows the same 'EventSearch' window, but now it displays search results. The search criteria remain the same. The 'Search' button is still highlighted with a red box. The pagination bar shows '1' as the selected page. The result table is populated with the following data:

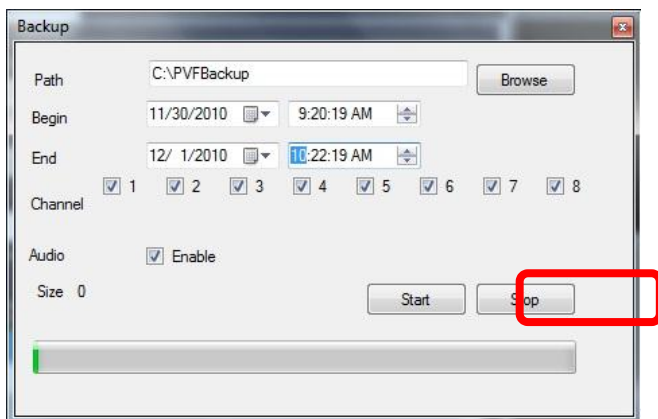
ID	Event	Ch	Time
262...	Rec...	8	30 /11 /2010 20:59:59
262...	Rec...	7	30 /11 /2010 20:59:59
262...	Rec...	6	30 /11 /2010 20:59:59
262...	Rec...	5	30 /11 /2010 20:59:59
262...	Rec...	4	30 /11 /2010 20:59:59
262...	Rec...	3	30 /11 /2010 20:59:59
262...	Rec...	2	30 /11 /2010 20:59:59
262...	Rec...	1	30 /11 /2010 20:59:59

The entire result table area is enclosed in a red rectangular box.

- Double-click on the video you would like to review. While in the playback screen, you may click on the  icon to access the Event Search control window.
- Press the **"Backup"** button to create a copy of the video. The succeeding menu will require you to set the following:
 - Path: Click on the "Browse" button to specify the location where you would like to store the file.
 - Begin: Select the start date and time for the video you would like to create a copy of.
 - End: Select the end date and time for the video you would like to create a copy of.
 - Channel: Select the channel or channels from which the backup video or videos will be taken from.
 - Audio: Enables the inclusion of audio into the backup
 - Size: The file size automatically adjusts according to the duration (start and end time) set by the user.

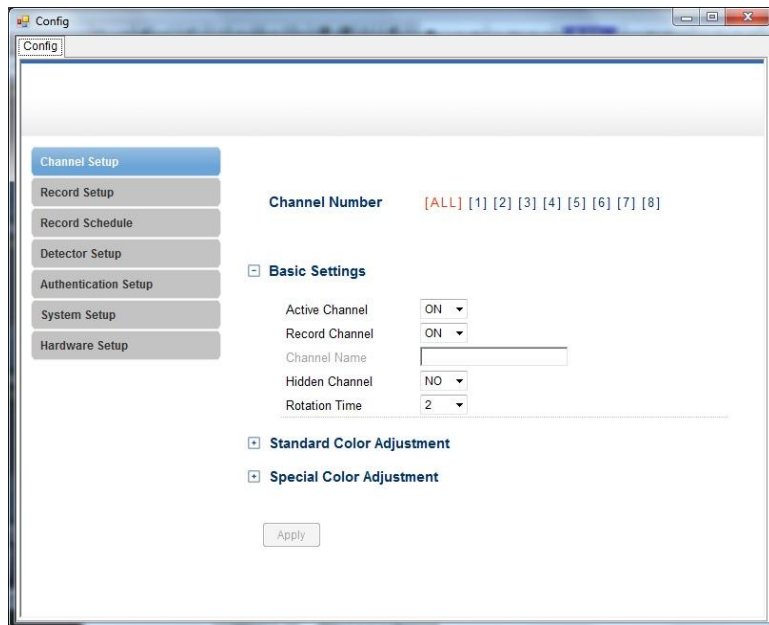


- Press **"Start"** to begin the backup process.



4.5 Remote DVR Configuration

Click the  icon to display the remote configuration interface on your PC Viewer.



Log-in to the Remote Configuration Interface

The authentication procedure for remote site access follows the DVR authentication process. Please login by using the designated user name and password. If you did not change any of these settings on your DVR, please use the default settings below.

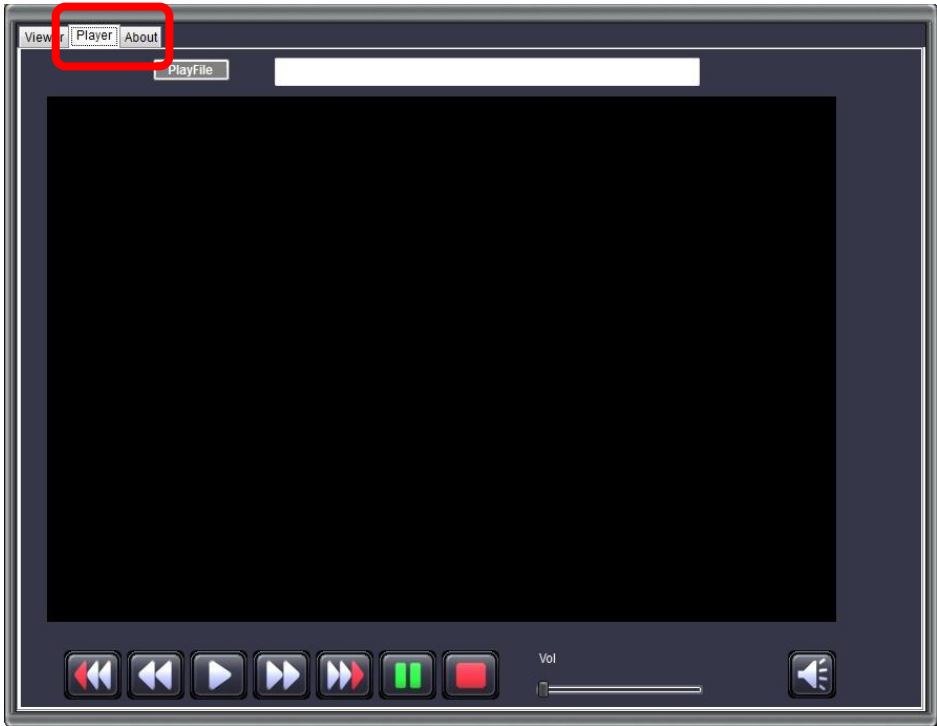
- Default User: **admin**
- Default Password: **123456**

You can change the DVR configuration after successfully logging in.

The operation method of the remote configuration interface is consistent with the DVR interface. Please refer to the DVR operation sections on this manual.

PC Viewer Player

- The PC Viewer can play stored PVF files with its built-in player.
- Plug the USB device into USB port or transfer the file to a local disk on your personal computer from the USB storage. Click on the "Player" tab on the PC Viewer interface.



Click on “**PlayFile**” to locate the file you would like to view. Once the file is found, the PC Viewer Player will automatically display the stored video.

5. SUPPORT

For technical questions and support, please contact our help-desk by ticket on <http://www.atlantis-land.com/ita/supporto.php>.

For generic informations, please send an e-mail to info@atlantis-land.com.

For presales informations, please send an e-mail to prevendite@atlantis-land.com.

Atlantis SpA
Via S. Antonio, 8/10
20020 Lainate (MI)
Italy

Fax: +39.02.78.62.64.39

Website: <http://www.atlantis-land.com>

Email: info@atlantis-land.com

APPENDIX A: Dynamic DNS

Register with DynDNS

There are three suggested providers for DynDNS account: www.no-ip.com, www.changeip.com and www.dyndns.com. In the following example, we will use <http://www.dyndns.com> as the dynamic DNS provider.

Create a DynDNS Account

- Create a new account by filling out the spaces for Username, Password, and Email. Take note of your user name and password. Be sure to use a valid email address.

- A verification mail will be sent to your registered email account.

Why DynDNS.com? Services & Pricing Support Have an account? Join NOW Sign In

What are you looking for? Search

We've sent an email to chansonya@hotmail.com, to verify your account. Please check your inbox and click on the confirmation link.

If you do not receive the email in the next few minutes you can try [resending it](#).

Thanks for choosing DynDNS.com!

- Verify your account within 48 hours of receiving the e-mail.
Your DynDNS.com Account 'chansonya' has been created. You need to visit the confirmation address below within 48 hours to complete the account creation process:

<https://www.dyndns.com/account/confirm/FpCilzZRMo60VWMSx4keXQ>

Our basic service offerings are free, but they are supported by our paid services. See <http://www.dyndns.com/services/> for a full listing of all of our available services.

If you did not sign up for this account, this will be the only communication you will receive. All non-confirmed accounts are automatically deleted after 48 hours, and no addresses are kept on file. We apologize for any inconvenience this correspondence may have caused, and we assure you that it was only sent at the request of someone visiting our site requesting an account.

Sincerely,
The DynDNS.com Team
Dynamic Network Services Inc.

Login and Host Service

- Log-in by entering the Username and Password of your account.

Why DynDNS.com? Services & Pricing Support

Create an account or log in to continue

Username:

Password:

Confirm password:

Email:

Confirm email:

Subscribe to: ☒ DynDNS.com newsletter

Already Registered?

Username

Password

Log in

[Forgot your password?](#)

My Account

Create Account

Login

Lost Password?

My Cart

0 items

Powered by Dyn

- Click on My Service to get a host name

My Account

- My Services
- Account Settings
- Billing
- My Cart
0 items

Powered by **Dyn**

My Services

View, modify, purchase, and delete your services.

- [My Zones/Domains](#)
- [Add Zone/Domain Services](#)
- [My Hosts](#)
- [Add Host Services](#)
- [Dynamic DNS Pro](#)
- [Internet Guide](#)

Billing

Update your billing information, complete a purchase, and view invoices.

- [View Shopping Cart](#)
- [Active Services](#)
- [Order History](#)
- [Billing Profile and Vouchers](#)
- [Renew Services](#)

Account Settings

Update your email address, set preferences, and delete your account.

- [Change Email Address](#)
- [Change Password](#)
- [Change Username](#)
- [Contact Manager](#)
- [Mailing Lists](#)
- [Move Services](#)

- Double click on Add New Hostname to create a new host address.

My Account

- My Services
- Dynamic DNS Pro
- Internet Guide
- SLA
- Premier Support
- Zone Level Services
- Domain registration and transfer, DNS hosting, MailHop services
- Host Services
- Dynamic DNS hosts, WebHop
- URL Forwarding
- Spring Server VPS
- MailHop Outbound
- SSL Certificates
- Renew Services

Account Level Services

Paid Account (?)	No	Technical Support
Dynamic DNS Pro Upgrades (?)	No	View - Add
DNS Service Level Agreement (?)	None	Add DNS Service Level Agreement
Premier Support Option (?)	None Available	Add Premier Support Cases
Internet Guide - Recursive DNS (?)	Available	Get Started

Zone Level Services

You do not currently have any zone services.

[Details](#) - [Add Zone Service](#) - [Host Update Logs](#)

[Add Hostname](#) - [Host Update Logs](#)

- Specify the host name for the DVR. You will use this name later to configure the DynDNS settings on your DVR. Click on Add to Cart.

Add New Hostname

[↑ Host Services](#)

Note: You currently don't have any active [Dynamic DNS Pro](#) in your account. You cannot use some of our Host Service features. Paying for an Dynamic DNS Pro will make this form fully functional and will add several other features.

Hostnames:

dv-host-tw

homelinux.net

Wildcard Status:
Disabled [Want Wildcard support?](#)

Service Type:

☒ Host with IP address [?](#)
☐ WebHop Redirect [?](#)
☐ Offline Hostname [?](#)

IP Address:

59.124.68.244

[Your current location's IP address is 220.130.147.146](#)

TTL value is 60 seconds. [Edit TTL](#)

Add To Cart

- Press Next to proceed.

Shopping Cart

Host dvr-host-twn.homelinux.net added to cart. Finish FREE checkout to activate.

Your cart contains **free services only**. You will not be asked for credit card information.

Upgrade Options

Free accounts allow only five Dynamic DNS hosts.

- To add more and enjoy [additional benefits](#) for only \$15.00 per year, [purchase Dynamic DNS Pro](#).
- To get Dynamic DNS for **your own domain**, use [Custom DNS](#).

Dynamic DNS Hosts

[dvr-host-twn.homelinux.net](#)

-

[remove](#)

\$0.00

Please enter coupons in the box below and click "Add Coupon".

[Add Coupon](#)

Sub-Total:

\$0.00

Order Total:

\$0.00

Would you like to [print an estimate/quote](#)?

[Next >>](#)

- Press Activate Services

Free Services Checkout

Once you have confirmed the contents of your cart your services will be instantly activated.

Service	Period	Price
Dynamic DNS Hosts		
dvr-host-twn.homelinux.net	-	\$0.00
Sub-Total:		\$0.00

[Activate Services >>](#)

- Now, the DYNDNS service is completed. Take note of the Username, Password and Hostname.

Host Services

[↑ My Services](#)

[dvr-host-twn.homelinux.net](#) successfully activated.

Hostname	Service	Details	Last Updated
dvr-host-twn.dyndns.org	Host	59.124.68.244	Jul. 02, 2010 6:37 AM
dvr-host-twn.homelinux.net	Host	59.124.68.244	Jul. 02, 2010 6:54 AM

[» Host Update Logs](#)

[» Bulk Update IP Address And Service Type](#)

[Add New Host](#)

AVISO

Hemos hecho todo lo posible para evitar que en el texto, las imágenes, tablas, software y hardware, y la información presentada en general sea carente de errores. A pesar de ello, no podemos garantizar la ausencia de estos.

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El contenido de este manual se provee a título informativo y es sujeto a cambios sin previo aviso (invitándose a los clientes a consultar nuestro sitio Web www.atlantis-land.com para mantenerse informados de estos) no haciéndose Atlantis Land responsable de cualquier error o inexactitud que pueda aparecer en esta guía.

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Declaración de conformidad CE/EMC

El producto descrito en esta guía ha sido diseñado, producido y aprobado en conformidad con las reglas EMC, siendo certificado en cumplimiento de la normativa.

Si el producto se usara con un ordenador no certificado, el productor no puede garantizar el respeto a los límites de compatibilidad electromagnética. En la práctica, y en circunstancias particulares, es posible que dichos límites puedan ser superados si se utilizan dispositivos que no respetan la normativa EMC y que, por tanto, no han sido certificados. Asimismo, es posible, que de forma puntual ocurran picos de valor que se encuentran por encima de las tolerancias. En este caso, el usuario es responsable que el dispositivo vuelva a ser conforme con los límites EMC. El fabricante no puede hacerse responsable en el caso de que el producto sea utilizado fuera de los límites dictados por la normativa EMC.

Declaración de Conformidad



Este dispositivo ha sido probado, determinándose conforme con la directiva 2004/108/CE y Directive 2006/95/CE.



Información importante para el correcto procedimiento de reciclaje/tratamiento de este aparato

El símbolo del contenedor de basura tachado sobre la etiqueta o envase indica que este aparato no debe ser eliminado como residuo urbano no seleccionado sino que debería ser recogido de modo selectivo.

Los residuos de aparatos eléctricos y electrónicos deben ser tratados de modo selectivo, en orden de asegurar que los materiales peligrosos contenidos en los aparatos no sean quemados causando potenciales problemas futuros para el medio ambiente y la salud humana. Por otro lado, será posible la reutilización y reciclaje de algunas partes de los residuos de aparatos eléctricos y electrónicos, contribuyendo a reducir las cantidades de residuos a eliminar y el agotamiento de los recursos naturales.

Como usuario de esto aparato, usted es responsable de la devolución de este residuo de aparato electrónico en la instalación de recogida oficial establecido por su Municipio. Para más información sobre las instalaciones de recogida más próximas consulte en sus entidades locales.

Si usted reemplaza un antiguo aparato por un producto nuevo equivalente, el distribuidor deberá recepcionar el antiguo de forma gratuita y uno por uno siempre

que este aparato sea de tipo equivalente y realice las mismas funciones que el aparato suministrado.

Su papel en la recogida selectiva de los residuos de aparatos eléctricos y electrónicos es esencial para asegurar que los objetivos de protección del medio ambiente y de la salud humana, en conexión con un tratamiento y reciclaje responsable, sean logrados.

PD: la información arriba mencionada ha sido redactada en concordancia con el RD 208/2005 de 25 de Febrero, el cual establece la recogida separada y el diferente tratamiento y eliminación de los residuos de aparatos eléctricos y electrónicos. Para información adicional y en más detalle le invitamos a visitar nuestra página web www.atlantis-land.com

Gracias por elegir un aparato de la familia NetCamera System, la solución más sencilla para la videovigilancia. Este documento se divide en 2 partes. La primera parte (capítulo 1) es una guía rápida para poner el sistema en funcionamiento rápidamente. Los capítulos siguientes explican el funcionamiento del aparato detalladamente.

1. Descripción producida

NetCamera Ethernet System es una solución completa (DVR y 4 Cámaras con Led a rayos infrarrojos) para enviar videos, hacer video vigilancia remota o para la transmisión en tiempo real de imágenes/ video. El Grabador digital (DVR) respalda 4 canales de video (alta compresión de tiempo real H.264) con 1 conector VGA (y Video RCA). El sensor CCD (1/4") permite trabajar en ambientes de poca luz, dando imágenes de gran claridad y colores veraces, haciéndola así perfecta para la videovigilancia (incorpora 28 IR LED para la vigilancia por la noche). NetCamera utiliza comunes cables Ethernet por la conexión a las cámaras (sobre el mismo cable viaja la alimentación, la señal audio y video) y también permite de migrar en futuro la infraestructura hacia IP, sin ulteriores costes de cableado, salvaguardando la inversión hecha. Finalmente, también es importante resenar que toda la funcionalidad con la que cuenta la Netcamera Ethernet System puede ser gestionada de forma intuitiva usando tan solo el navegador, pudiendo acceder a ella desde cualquier sitio de forma remota sin mas que una conexión a Internet (o intranet) incluso desde dispositivos móviles 3G (iPhone y iPad). NetCamera Ethernet System es la solución ideal para enviar videos, hacer video vigilancia remota.



El uso de dispositivos para captar imágenes, vídeo o voz podría estar reglamentado o incluso prohibido en algunas jurisdicciones. Podría ser necesaria una autorización. Atlantis SpA no garantiza de ningún modo que el uso de sus productos sea conforme a las leyes locales y no puede asumir ninguna responsabilidad en caso de usos inadecuados de los dispositivos. Es oportuno señalar claramente la presencia de dispositivos que captan imágenes, vídeo o voz. Respetar atentamente las leyes vigentes sobre las modalidades de conservación de los contenidos de vídeo.

1.1 Requisitos de sistema (opcionales para acceso por WEB con IE)

Antes de instalar el producto comprobar que cumpla los siguientes requisitos:

1.2 CONTENIDO DEL ENVASE

Antes del uso comprobar que la caja contenga los siguientes elementos:

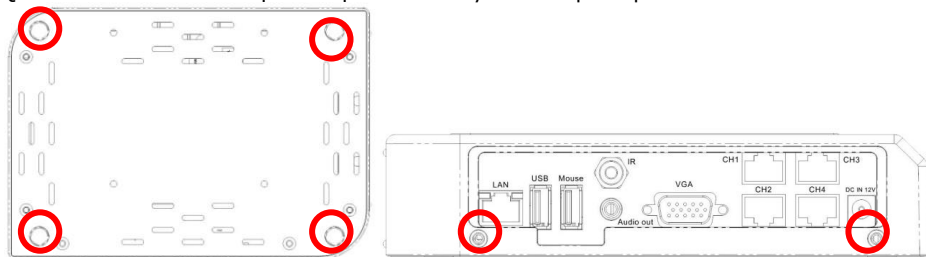
A02-ADVR2 A02-ADVR4	A02-ACAM2Kit A02-ACAM2Kit-W	A02-ACAM4Kit A02-ACAM4Kit-W
- DVR (A02-ADVR2 / A02-ADVR4) 4 Balun - Manual completo (italiano e inglés) - Ratón USB - Mando a distancia infrarrojo (pilas no incluidas) - Alimentador AC-DC (12V@5A) con cable de alimentación para alimentar el DVR y Cámaras - CD-rom que contiene el manual (en italiano e inglés) y el software - Cupón de garantía	- DVR (A02-ADVR2) 4 cámaras infrarrojo (A02-OACAM1-X) 4 soportes de montaje 4 Balun - Manual completo (italiano e inglés) - Ratón USB - Mando a distancia infrarrojo (pilas no incluidas) - Alimentador AC-DC (12V@5A) con cable de alimentación para alimentar el DVR y Cámaras	- DVR (A02-ADVR4) 4 cámaras infrarrojo (A02-OACAM1-X) 4 soportes de montaje 4 Balun - Manual completo (italiano e inglés) - Ratón USB - Mando a distancia infrarrojo (pilas no incluidas) - Alimentador AC-DC (12V@5A) con cable de alimentación para alimentar el DVR y Cámaras

	- CD-rom que contiene el manual (en italiano e inglés) y el software - Cupón de garantía	- CD-rom que contiene el manual (en italiano e inglés) y el software - Cupón de garantía
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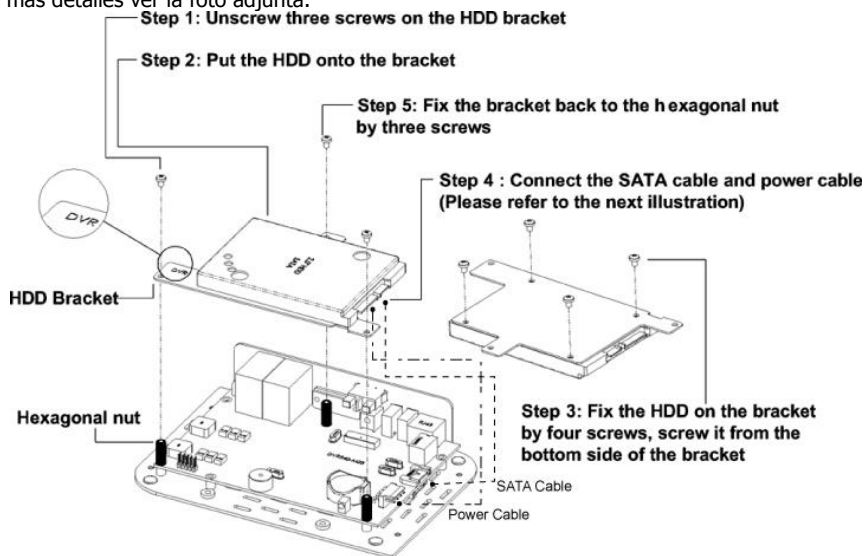
Si el contenido no corresponde, contactar con el revendedor inmediatamente.

1.3 INSTALACIÓN DEL DISCO EN EL DVR (A02-ADVR2)

- Quitar los 4 tornillos de bloqueo del panel inferior y los 2 del panel posterior.



- Retirar la tapa delicadamente.
- Destornillar los 3 tornillos que bloquean el soporte para el disco.
- Apoyar el disco en el soporte y atornillar los 4 tornillos de bloqueo.
- Conectar los cables SATA/ALIMENTACIÓN al disco.
- Colocar el soporte y atornillar los 3 tornillos de bloqueo.
- Colocar la tapa y atornillar los 4 tornillos de bloqueo del panel inferior y los 2 del panel posterior. Para más detalles ver la foto adjunta.

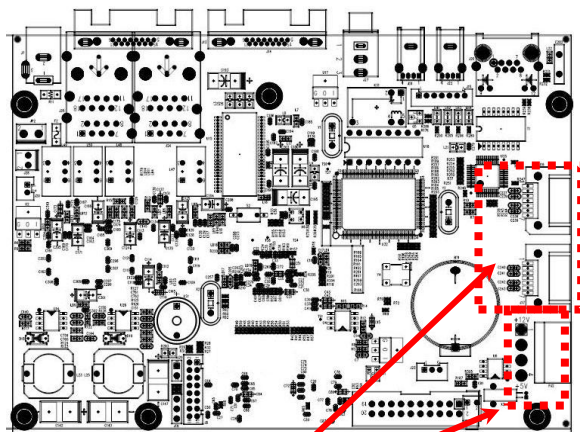


El disco se debe instalar con el sistema apagado y desconectado de la fuente de alimentación.

En caso contrario, podría no funcionar correctamente. Consultar el apéndice B para asegurarse de que el disco figure en la lista de compatibilidad.

Antes del cierre, asegurarse de que no queden elementos metálicos en el alojamiento.

En la figura siguiente se muestran los conectores del PCB donde conectar los cables SATA (datos y potencia).

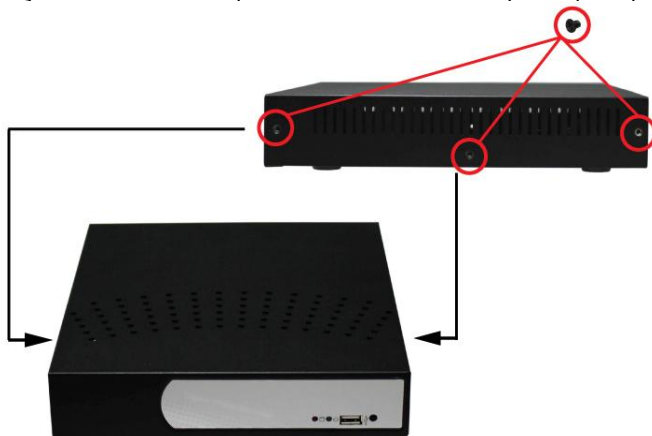


HDD Data

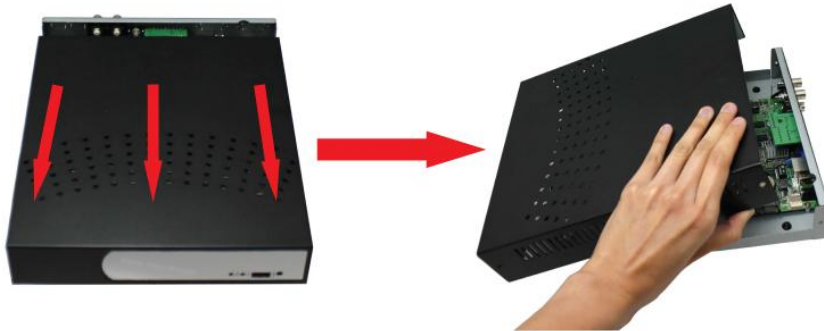
HDD Power Connector

1.4 INSTALACIÓN DEL DISCO EN EL DVR (A02-ADVR4)

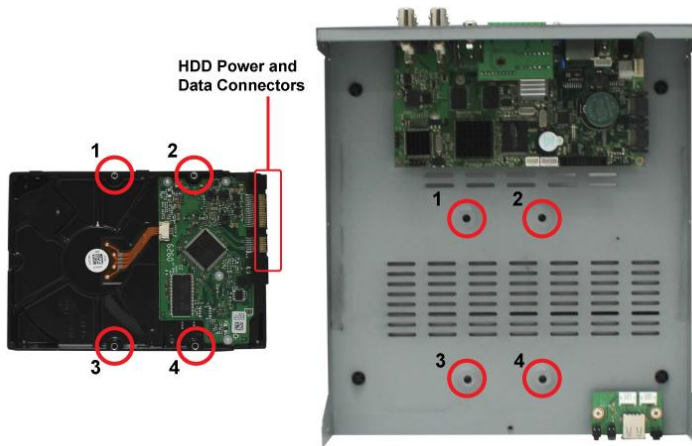
- Afajar los tornillos de bloqueo situados a los costados y en la parte posterior.



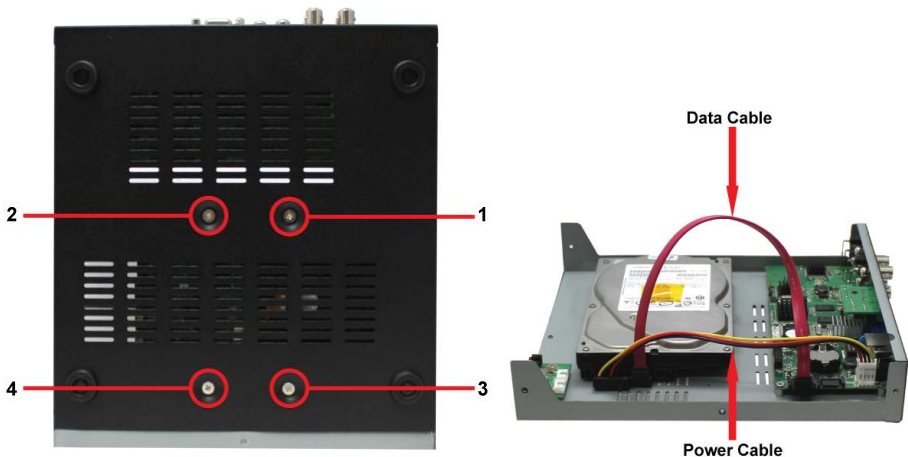
- Retirar la tapa delicadamente, extrayéndola como indica la figura.



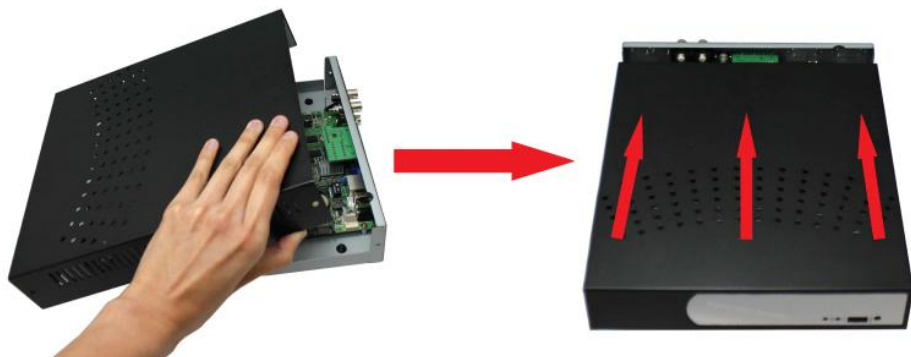
- Conectar el cable de datos y el cable de alimentación al disco.



- Instalar el disco en el soporte y fijarlo firmemente con los tornillos.



- Comprobar que los conectores estén conectados correctamente, cerrar la tapa y atornillar nuevamente los tornillos.

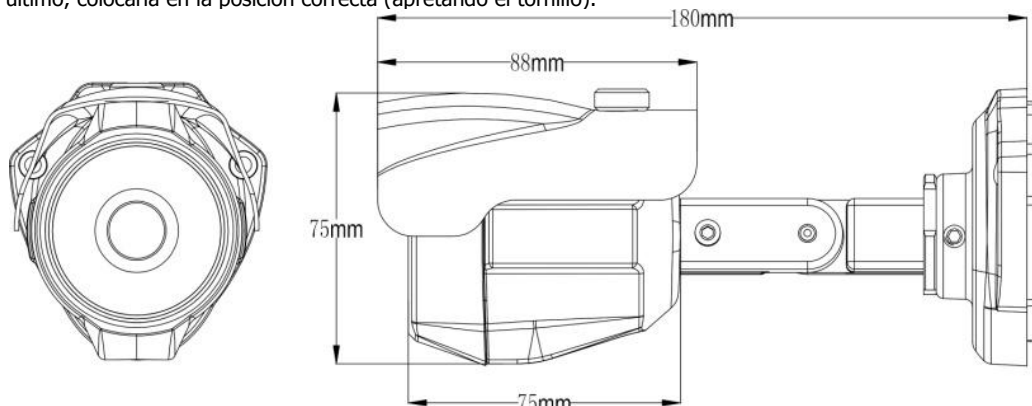


El disco se debe instalar con el sistema apagado y desconectado de la fuente de alimentación.

En caso contrario, podría no funcionar correctamente. Consultar el apéndice B para asegurarse de que el disco figure en la lista de compatibilidad

1.5 MONTAJE DE LA CÁMARA

NetCamera Ethernet System se suministra con un KIT para el montaje de las cámaras en la pared y/o en el escritorio. Utilizar 3 tornillos/clavos (se suministran 3 tornillos con los soportes de pared) para fijar la base en una superficie plana (pared o techo). Atornillar la base en la parte posterior/inferior de la cámara. Por último, colocarla en la posición correcta (apretando el tornillo).



Conectar la salida de vídeo y la entrada de potencia de la cámara al Balun y éste, por medio del cable Ethernet, al DVR (en una de las 4 entradas CH IN).



No colocar la NetCamera en ambientes exteriores o donde quede expuesta a fenómenos atmosféricos.

Asegurarse de que el pedestal quede firmemente anclado en la pared (para evitar que NetCamera se caiga).

La óptica no debe quedar expuesta a la irradiación solar directa.

El incumplimiento de las condiciones enunciadas podría implicar daños para el aparato y podría dejar la garantía sin efecto.

1.6 CABLEADO DE LA CÁMARA

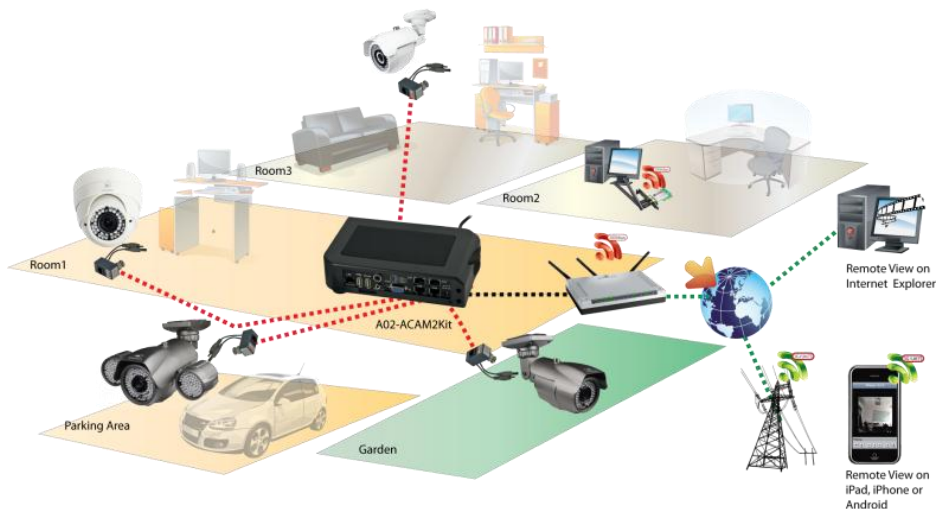
El esquema siguiente proporciona instrucciones claras para el cableado de las 4 cámaras infrarrojo utilizando los Balun suministrados. El cable de conexión entre el Balun y el DVR es un cable de red CAT5 normal de 8 conductores (utilizar una conexión directa, hasta 100m).



Para conectar las cámaras:

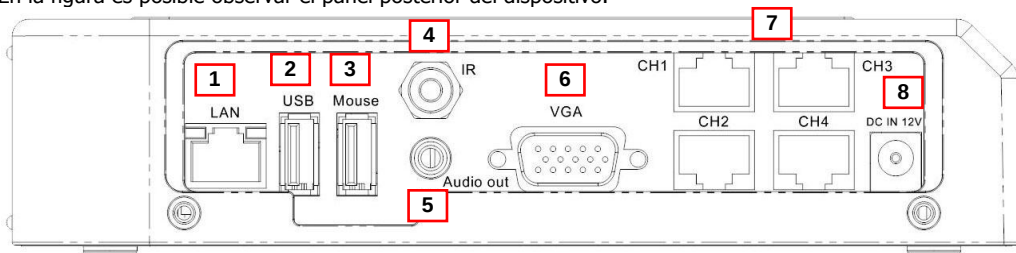
- Conectar el cable BNC/Alimentación BALUN a la cámara.
- Conectar el cable RC del BALUN a un micrófono (opción).
- Conectar al BALUN el extremo de un cable Ethernet (CAT 5E), y conectar el otro extremo al DVR (CH1,CH2,CH3 o CH4 o CH8).
- Repetir el mismo procedimiento con todas las cámaras.

Los cables Ethernet no están incluidos en el envase.



1.7 CABLEADO DVR(A02-ADVR2)

En la figura es posible observar el panel posterior del dispositivo.



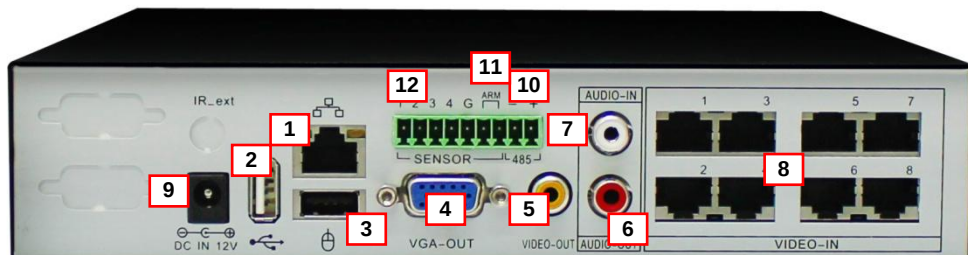
Nº	FUNCIÓN	SIGNIFICADO
1	Puerto Ethernet	Utilizar este puerto Ethernet (interfaz RJ45) para conectar el dispositivo a la LAN.
2	Puerto USB	Utilizar este puerto USB para conectar un periférico de memorización externo (disco o tarjeta de memoria) para la copia de seguridad de los datos o la actualización del firmware. Es posible la conexión/desconexión en caliente.
3	Puerto USB	Conectar el ratón suministrado.
4	IR Extender	N/A
5	Output audio	Salida audio (interfaz RCA).
6	Salida VGA	Conectar a una pantalla externa (interfaz VGA). La resolución máxima posible es 1280x1024 píxeles.
7	Entrada vídeo (RJ45)	Utilizar cables Ethernet CAT5 para conectar las cámaras por medio de los BALUN suministrados.
8	Toma de alimentación	Conectar la toma de alimentación. Utilizar sólo el alimentador suministrado. Las características del dispositivo son: DC, 12V@5A.
	Salida Video	Conectar a una pantalla externa (interfaz RCA)
	Entrada audio	Entrada audio (interfaz RCA).

Conectar al DVR (donde se ha puesto el disco) en el siguiente orden:

- Los cables CAT5 provenientes de los Balun conectados a las 4 cámaras (Cable Ethernet, referencia sección 1.6)
- el ratón suministrado al DVR
- el cable VGA a un monitor
- el cable de red para la conexión al switch/router (opción)
- altavoz (opción)
- cable de alimentación

1.8 CABLEADO DVR(A02-ADVR4)

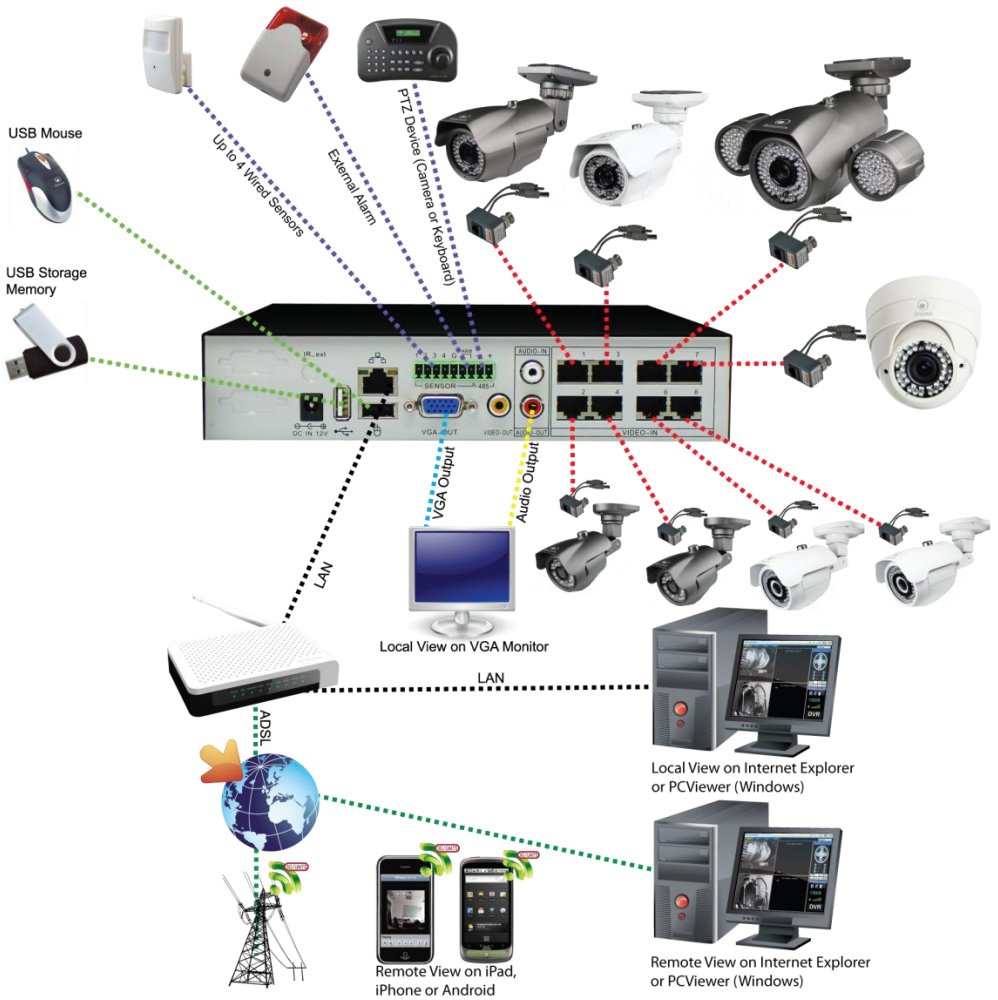
En la figura es posible observar el panel posterior del dispositivo.



Nº	FUNCIÓN	SIGNIFICADO
1	Puerto Ethernet	Utilizar este puerto Ethernet (interfaz RJ45) para conectar el dispositivo a la LAN.
2	Puerto USB	Utilizar este puerto USB para conectar un periférico de memorización externo (disco o tarjeta de memoria) para la copia de seguridad de los datos o la actualización del firmware. Es posible la conexión/desconexión en caliente.
3	Puerto USB	Conectar el ratón suministrado.
4	Salida VGA	Conectar a una pantalla externa (interfaz VGA). La resolución máxima posible es 1280x1024 píxeles.
5	Salida Video	Conectar a una pantalla externa (interfaz RCA)
6	Output audio	Salida audio (interfaz RCA).
7	Entrada audio	Entrada audio (interfaz RCA).
8	Entrada vídeo (RJ45)	Utilizar cables Ethernet CAT5 para conectar las cámaras por medio de los BALUN suministrados.
9	Toma de alimentación	Conectar la toma de alimentación. Utilizar sólo el alimentador suministrado. Las características del dispositivo son: DC, 12V@5A.
10	PTZ(RS485)	Conectar a una cámaras externa (interfaz RS485)
11	Allarm	Conectar a una sirena externa
12	Sensor	Conectar hasta a 4 sensoriales exteriores por el hilo (G es en común).

Conectar al DVR (donde se ha puesto el disco) en el siguiente orden:

- Los cables CAT5 provenientes de los Balun conectados a las 4 cámaras (Cable Ethernet, referencia sección 1.6)
- el ratón suministrado al DVR
- el cable VGA a un monitor
- el cable de red para la conexión al switch/router (opción)
- altavoz (opción)
- cable de alimentación



2. PUESTA EN FUNCIONAMIENTO DEL DVR

2.1. FORMATEO DEL DISCO

Después de seguir estrictamente las instrucciones anteriores y de conectar el sistema a la red eléctrica, durante la fase de inicio aparece la siguiente pantalla.

Release Date: Oct 25 2010 17:33:16

Video: PAL

Hard Drive: WDC WD7500AYPS-01ZKB Rec:02.0

715403MB...Empty Disk

DVR needs to format HDD,

All data will be lost...

  Format /   Cancel?

El sistema detecta la presencia de un disco y pide formatear. Esto obviamente sólo si el disco no está formateado aún. Seleccionar **Format** (moviendo el cursor en pantalla) y confirmar haciendo clic con la tecla izquierda.



No conviene introducir en el DVR el disco ya formateado con otros dispositivos.

2.2. PANTALLA DE INICIO

Al inicio, aparece la siguiente pantalla. Si se han conectado las cámaras, éstas aparecen en pantalla (hacer doble clic con la tecla izquierda en un canal para visualizar la pantalla completa; volver a hacer doble clic para restablecer la visualización múltiple).



En la interfaz principal es posible ver información e iconos sobre el estado de funcionamiento del dispositivo.

Es posible cambiar los canales de posición sin tener que tocar físicamente los cables, utilizando la tecla izquierda para arrastrarlos y soltarlos en la posición deseada.



Es posible cambiar el idioma utilizado en el OSD. Ir a **Main Menu->System->Language** y en la combo-box seleccionar el idioma utilizado por el DVR en el OSD. El dispositivo se reinicia. El idioma utilizado para la redacción del manual del OSD es el inglés.

Información sobre la barra del canal (Channel Bar)

Es una barra de iconos ubicada al lado del icono que indica el número de canal.

Icono	Significado
	Identificador del canal.
	Señal ausente.
	Grabación activa.
	Alarma.
	Si está fija, indica detección de movimiento activa. Si parpadea, indica el disparo de la detección de movimiento.
	Si está fija, indica sensor externo habilitado Si parpadea, indica el disparo del sensor externo.

Información sobre la barra de estado (State Bar)

Es una barra de iconos ubicada en la parte superior de la pantalla.



Icono	Función	Icono	Función
	Cámara en funcionamiento.		Señal ausente.
	El sistema está grabando.		Grabación bloqueada.
	Grabación activa forzada.		Conexión LAN activa.
	Dispositivo USB conectado		Conexión LAN no activa.
	Sobrescritura del disco habilitada.		Estado del disco rígido.
	Aparece cuando está activa la modalidad de rotación de los canales (AutoChannel Rotation).		
XX%	Porcentaje de disco utilizado.		
2010/06/03	Fecha del sistema.		
15:37:47	Hora del sistema.		

Información sobre la barra de control (Control Bar)

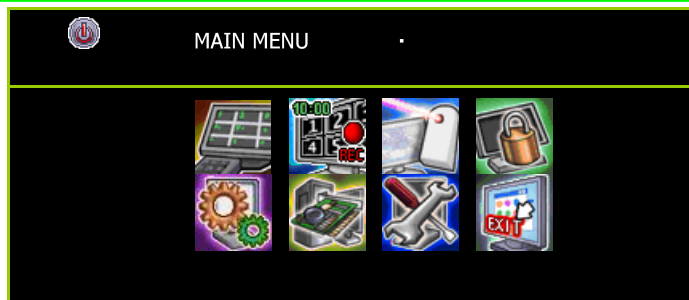
Pulsar la tecla derecha del ratón o desplazar el cursor a la parte inferior de la pantalla para visualizar la barra de control en la parte inferior de la pantalla.



Icono	Función	Icono	Función
	Hacer clic para restablecer la posición predefinida de los canales visualizados en pantalla.		Hacer clic para pasar a la modalidad de visualización de 4 canales.
	Hacer clic para activar la modalidad de rotación de los canales (AutoChannel Rotation).		Hacer clic para entrar en el menú de configuración principal.
	Comienza la grabación.		Detiene la grabación.
	Fuerza el comienzo de la grabación.		Detiene la grabación forzada.
	Hacer clic (previa autenticación) para acceder a la reproducción/memorización de los archivos registrados por el sistema.		Hacer clic (previa autenticación) para acceder a la reproducción/memorización de los archivos registrados por el sistema.
	Hacer clic (previa autenticación) para acceder a los archivos de registro registrados por el sistema.		Aparece la información sobre la modalidad de grabación.
	Aparece la información sobre el disco.		Aparece la información sobre la LAN.

Menú

Hacer clic en el icono () para acceder al menú principal. El sistema muestra la pantalla de **Login**. La contraseña de acceso predefinida es **123456**.



Icono	Nombre	Función
	DVR Power Supply	Hacer clic y elegir si apagar o reiniciar el DVR.
	Channel Setup	Seleccionar para configurar el número de canales activos, aquellos en grabación, el nombre visualizado y los ajustes de color.
	Record Setup	Seleccionar para programar los horarios de grabación, la configuración y la calidad vídeo.
	Detector Setup	Seleccionar para configurar la detección de movimiento y las alarmas.
	Authentication Setup	Seleccionar para configurar las cuentas de login.
	System Setup	En esta sección es posible programar el idioma del menú de configuración, los iconos de estado, la fecha/hora, los periféricos de entrada.
	Hardware Setup	En esta sección es posible programar la modalidad de conservación de los datos en el disco y la configuración de LAN, audio y vídeo.
	Utility/Tools	En esta sección es posible formatear el disco/periférico USB, actualizar el firmware, exportar los archivos de configuración y restablecer las condiciones iniciales.
	Exit Main Menu	Hacer clic para salir del menú principal.

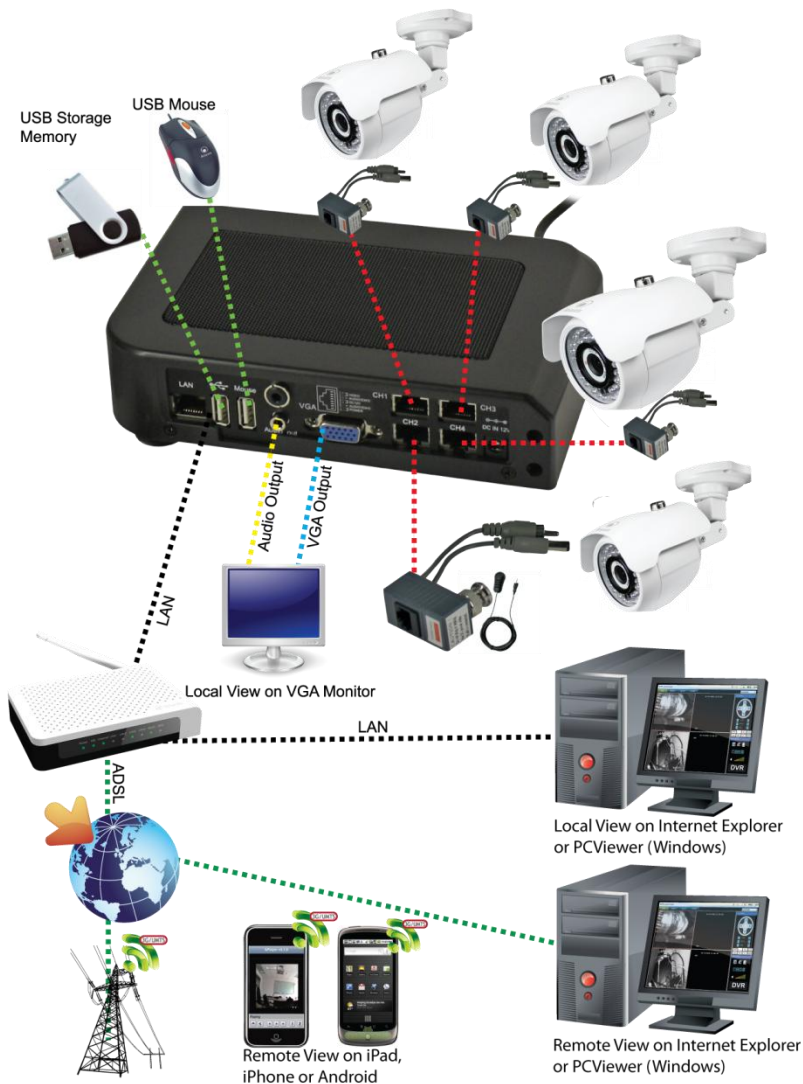
	Más detalles en el manual en formato electrónico en el CD.
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3. FUNCIONES DE RED

Hay 3 métodos para acceder a distancia o localmente al DVR a través de las funciones de red:

- Utilizar el navegador **Internet Explorer** (con Active X).
- Utilizar **PC Viewer** (consultar el manual impreso) en entorno Windows.
- Utilizar **iPhone/iPad/Android**.
- Utilizar **WebBrowsing**.

El esquema conceptual de acceso a distancia/local debería ser el siguiente. Todos los dispositivos pueden efectuar el acceso local si están en la LAN a la que pertenece el DVR.



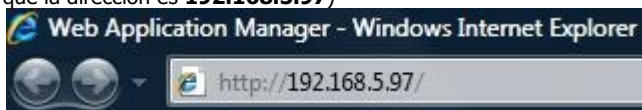
3.1 ACCESO POR INTERNET EXPLORER

Es posible utilizar Internet Explorer (IE) 6.0 o una versión más reciente para acceder localmente o a distancia al DVR.

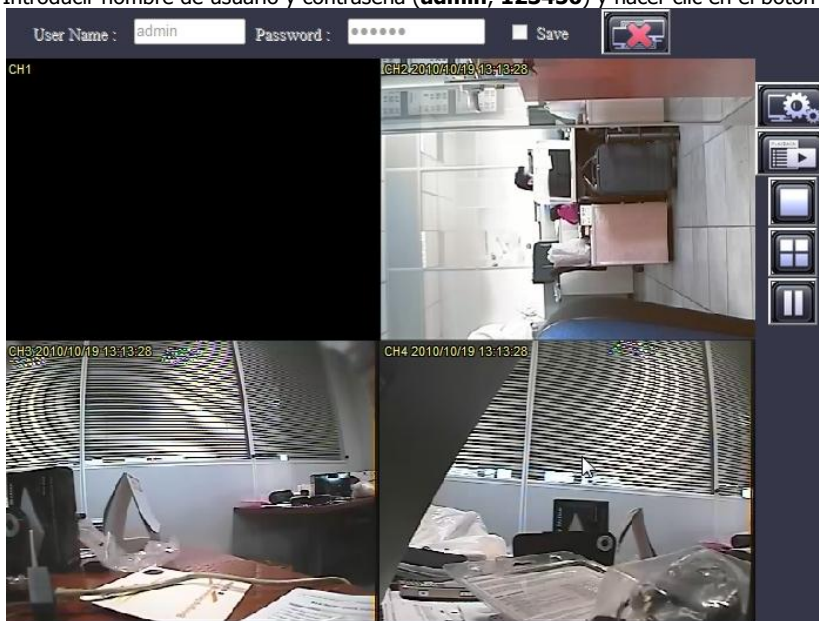
	Si no se logra instalar el control ActiveX (IE no podrá mostrar el vídeo del DVR): - En Herramientas->Opciones Internet->Protecciones Internet/Intranet y programar el nivel Medio Alto Predefinido. - En Herramientas->Bloqueo Popup seleccionar Desactivar Bloqueo Popup.
--	--

Para efectuar un **acceso local**:

- En **Main Menu->Hardware Setup->Network Setup** es posible conocer el IP asignado al DVR (en el campo **IP address**). Como alternativa, hacer clic en **Network Information** en la barra de control.
- Acceder con el navegador web a la dirección de arriba y pulsar la tecla Intro (en la figura se supone que la dirección es **192.168.5.97**)



- Para la primera instalación es necesario que estén instalados algunos componentes Active X.
- Introducir nombre de usuario y contraseña (**admin, 123456**) y hacer clic en el botón **Connect**.



Para efectuar un **acceso a distancia**:

- En **Main Menu->Hardware Setup->Network Setup** es posible conocer el IP asignado al DVR (en el campo **IP address**). Es oportuno asignar una dirección IP estática compatible con la red LAN con gateway predefinido.
- Acceder a **Main Menu->Hardware Setup ->Network Setup->Management/Monitoring Setup** e introducir el puerto utilizado (el predefinido es 8000) **Port** y elegir la calidad de transmisión de audio (**Audio Transmission**) y vídeo (**Video Transmission Quality**).

- Acceder al router responsable de la conectividad y crear 2 virtual servers en el IP estático asignado al DVR para los puertos de más arriba (**80** y **Port**).
- Acceder con el navegador a la dirección pública del router* y pulsar la tecla Intro.
- Para la primera instalación podría ser necesario instalar algunos componentes Active X.
- Introducir nombre de usuario y contraseña (**admin, 123456**) y hacer clic en el botón **Connect**.

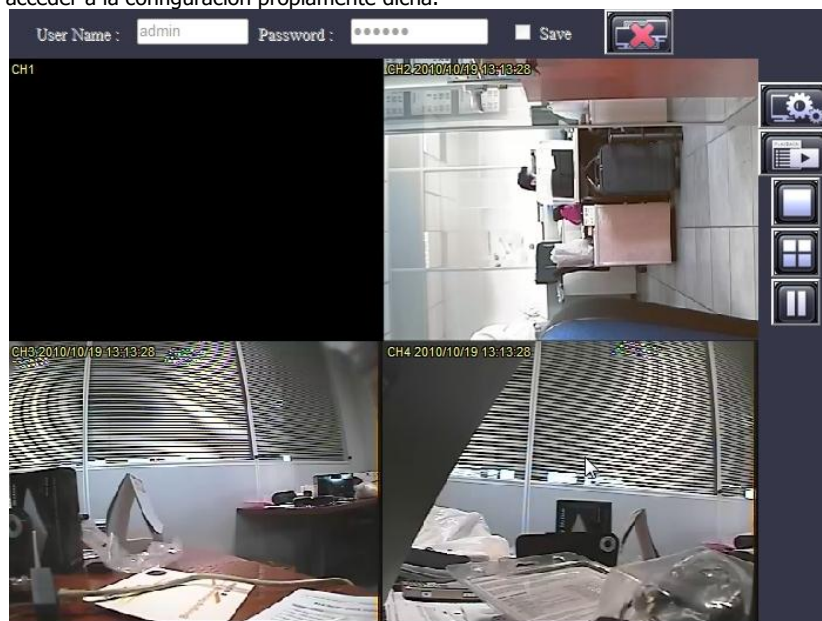


Si el contrato con el proveedor de Internet no prevé un IP estático, es posible utilizar un servicio **Dynamic DNS**. Consultar **el apéndice A** en el manual completo para más detalles al respecto.

Aparece el **Menú Principal**; en la parte superior derecha es posible acceder (mediante los 5 iconos) a todas las secciones disponibles:

- Hacer clic en **Config** () para acceder a la configuración del sistema.
- Hacer clic en **Search** () para acceder a la sección de búsqueda/visualización.
- Hacer clic en  o  para pasar a la modalidad de un canal o de 4 canales (predefinido).
- Hacer clic en **Pause View** () para poner en pausa los flujos de vídeo en pantalla.

Con un clic en la sección deseada, en el espacio de la página de inicio aparecen todos los ajustes de la configuración de la sección elegida, o bien se abren toda una serie de subsecciones para elegir antes de acceder a la configuración propiamente dicha.



Para más detalles consultar el manual completo contenido en formato electrónico en el CD.

3.2 ACCESO POR MÓVIL

Mediante el uso de esta función es posible ver un flujo de vídeo en un dispositivo portátil desde cualquier lugar y en cualquier momento. El DVR es compatible exclusivamente con **iPhones®**, **iPad** y **Android**.

Configuración del DVR

Antes de comenzar, conviene configurar correctamente el DVR. Verificar los puntos siguientes:

- El DVR debe estar conectado por LAN a un dispositivo con conectividad a Internet (normalmente un router ADSL).
- En **Main Menu->Hardware Setup->Network Setup** es posible conocer el IP asignado al DVR (en el campo **IP address**). Es oportuno asignar una dirección IP estática compatible con la red LAN.
- Acceder a **Main Menu->Hardware Setup ->Network Setup->Management/Monitoring Setup** e introducir el puerto utilizado (el predeterminado es 8000) **Port** y elegir la calidad de transmisión de audio (**Audio Transmission**) y vídeo (**Video Transmission Quality**).
- Acceder al router responsable de la conectividad y crear 1 virtual server en el IP estático asignado al DVR para el puerto de más arriba (**Port**).
- Acceder con el client instalado en el dispositivo móvil (ver la sección siguiente) a la dirección pública del router* para visualizar el flujo de vídeo.

Pasar a la instalación/configuración del client en el dispositivo móvil.

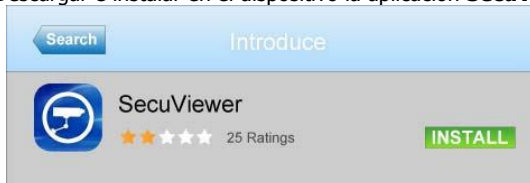


* Si el contrato con el proveedor de Internet no prevé un IP estático, es posible utilizar un servicio **Dynamic DNS**. Consultar **el apéndice A** en el manual completo para más detalles al respecto.

Instalación y Configuración del Client en dispositivos iPad® e iPhone®

Mediante el uso de esta función es posible ver un flujo de vídeo en un dispositivo portátil iPhone® o iPad® desde cualquier lugar y en cualquier momento.

- Ir a la página web de Apple <http://www.apple.com/itunes/> para descargar e instalar **iTunes**.
- Crear una **cuenta** (se solicitan una serie de datos personales y los datos de una tarjeta de crédito para el pago). Si ya se tiene una cuenta, es posible utilizar la cuenta existente. **La aplicación es gratuita.**
- Descargar e instalar en el dispositivo la aplicación **SecuViewer (es necesario IOS 4.0)**.



- Lanzar en el dispositivo Apple la aplicación **SecuViewer**.



- Aparece la interfaz principal de **SecuViewer**. Antes de comenzar, conviene efectuar la configuración de acceso. Hacer clic en el icono Setup (). Una vez efectuada la configuración, es posible realizar fotografías y cambiar de canal.



Introducir la dirección IP del router ADSL lado WAN (para el acceso a distancia) o IP LAN del DVR (si el client está conectado a la LAN del DVR). Introducir el número de puerto utilizado (el predeterminado es 8000) y luego el nombre de usuario y la contraseña de acceso. Confirmar haciendo clic en **OK**.

Instalación del Client en dispositivos Android

Mediante el uso de esta función es posible ver un flujo de vídeo en un dispositivo portátil Android o desde cualquier lugar y en cualquier momento.

- Descargar e instalar en el dispositivo la aplicación **SecuViewer**.
- Lanzar en el dispositivo Apple la aplicación **SecuViewer**.
- consultar la sección anterior

4. Soporte Técnico

Consultar el sitio Web <http://www.atlantis-land.com> o contactarnos a las siguientes direcciones de correo electrónico (info@atlantis-land.com o <http://www.atlantis-land.com/ita/supporto.php>).

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Fax: +39.02.78.62.64.39

Website: <http://www.atlantis-land.com>

Email: info@atlantis-land.com

Wichtige Information über die ordnungsgemäße Entsorgung dieses Gerätes

Die durchgestrichene Mülltonne auf dem Gerät oder der Verpackung bedeutet, daß dieser Artikel nicht über den unsortierten Hausmüll (Siedlungsabfall) entsorgt werden darf, sondern an speziellen Sammelstellen in Ihrer Kommune abgegeben werden muß.



Die getrennte Sammlung und Entsorgung von Elektro- und Elektronikaltgeräten stellt sicher, dass gefährliche Stoffe oder Zubereitungen, die in diesen Geräten enthalten sind, aus dem Stoffkreislauf ausgeschleust werden. Auf diese Weise werden künftig Probleme für die Umwelt und die menschliche Gesundheit vermieden. Darüber hinaus können Teile der Elektro- und Elektronikaltgeräte der Wiederverwendung und Verwertung zugeführt werden. Damit reduziert sich die Abfallmenge insgesamt und die natürlichen Ressourcen werden geschont.

Als Benutzer dieses Gerätes sind Sie verpflichtet, dieses nach Gebrauch bei einer speziellen Sammelstelle in Ihrer Kommune zurückzugeben. Sie erhalten nähere Informationen über die nächstgelegene Sammelstelle bei Ihrer Kommune oder Ihrem

Landkreis.

Wenn Sie das alte Gerät gegen ein neues, gleichwertiges Gerät austauschen, muß der Vertriebs Händler das alte Gerät kostenfrei zurücknehmen (1:1). Dies gilt für Geräte, die dem zurückgegebenen Gerät entsprechen und dieselben Funktionen wie das zurückgegebene Gerät erfüllen.

Ihr Beitrag zur getrennten Erfassung von Elektro- und Elektronikaltgeräten ist entscheidend, damit die Ziele des Elektrogesetzes – Schutz der Umwelt und der menschlichen Gesundheit zusammen mit einer verantwortungsbewussten Behandlung, Verwertung und Entsorgung von Elektro- und Elektronikaltgeräten – erreicht werden.

PS: Diese Information beruht auf den Anforderungen des Elektrogesetzes (§§ 10 Abs. 3, 9 Abs. 2 ElektroG, veröffentlicht am 23. März 2005, BGBl I, Seite 762 ff.) und der EG-Richtlinie Nr. 2002/96 vom 27. Januar 2003 über Elektro- und Elektronikaltgeräte, die die getrennte Sammlung und Entsorgung für Elektro- und Elektronikaltgeräte regeln. Sollten Sie an weiteren Informationen interessiert sein, besuchen Sie doch unsere Website www.atlantis-land.com.

Wir danken Ihnen, dass Sie sich für ein Gerät aus der Produktfamilie NetCamera System entschieden haben. Damit ist Videoüberwachung ganz einfach. Dieses Dokument besteht aus 2 Teilen. Der erste Teil (Kapitel 1) ist eine Schnellanleitung für die rasche Inbetriebnahme des Systems. In den nachfolgenden Kapiteln wird der Gerätebetrieb dann ausführlich beschrieben.

1. Beschreibung Erzeugt

NetCamera System ist ein vollständiges System (mit DVR und 4 Infrarot-Kameras) zur Videoüberwachung (Aufzeichnung). Es eignet sich sowohl für Heim- als auch Büroanwendungen (SoHo-Markt). Der DVR (Digital-Videorekorder) ermöglicht sowohl die Direktanzeige der von den Kameras aufgenommenen 4 Videostrome auf dem (über 1xRCA oder 1xVGA) angeschlossenen Bildschirm oder geplante Aufzeichnungen und Daueraufzeichnung (mittels H.264-Codec auf interner 3,5"-Festplatte) von Ereignissen (Motion Detection). Die 4 Kameras verfügen über einen CCD-Sensor, der auch bei Dunkelheit funktioniert (28 Infrarot-LED für den Betrieb bei 0 lux bis Entfernungen von 12 m) und eine hohe und scharfe Bild- und Farbqualität in jeder Situation bietet.

Die Verwendung von CAT 5 Eth-Kabeln (Länge bis 100 m) für den Anschluss an die Videokameras (dasselbe Kabel wird auch für die Stromversorgung und die Audio- und Videosignale verwendet) ermöglicht eine spätere IP-Migration der Infrastruktur ohne weitere Kosten für Verkabelung. NetCamera System kann ausserdem über ein Netzkabel direkt an ein LAN angeschlossen werden.

Einfache und intuitive Fernbedienung und -Steuerung jederzeit und überall mittels PC oder mit dem Internet (oder Intranet) über einen Webbrowser verbundenen Laptop oder mobile 3G-Plattform wie Android, iPhone und iPad (Anwendungen sind kostenlos und befinden sich auf der mitgelieferten CD).

Diese Merkmale machen NetCamera System zu einem idealen Gerät für die lokale und ferngesteuerte Überwachung/Videoüberwachung.



Die Verwendung von Geräten für Bild-, Video- oder Tonaufzeichnung kann in bestimmten Fällen gesetzlich geregelt oder vollständig untersagt sein. In gewissen Fällen kann eine Genehmigung erforderlich sein.

Atlantis SpA übernimmt keine Garantie, dass ihre Produkte in Übereinstimmung mit den lokalen Gesetzen verwendet werden und haftet daher nicht für eine bestimmungswidrige Verwendung dieser Geräte.

Außerdem muss deutlich auf das Vorhandensein von Geräten für Bild-, Video- und Tonaufzeichnungen hingewiesen werden.

Wir weisen darauf hin, dass die geltenden gesetzlichen Bestimmungen über die Modalitäten für die Aufbewahrung von Videoinhalten einzuhalten sind.

1.1 Systemanforderungen (optional für Zugriff über WEB mit IE)

Vor der Installation des Geräts müssen die folgenden Anforderungen überprüft werden:

1.2 INHALT DER VERPACKUNG

Vor der Verwendung muss der Packungsinhalt überprüft werden:

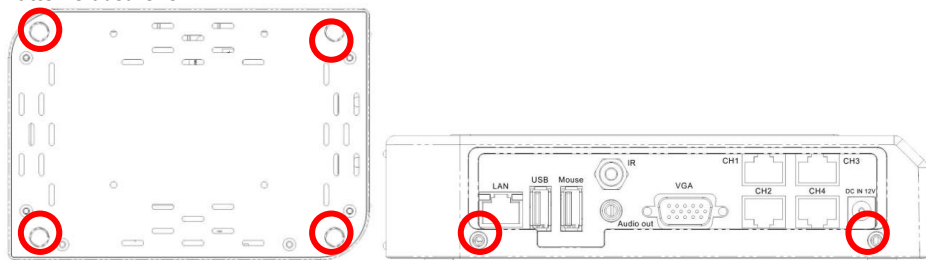
A02-ADVR2 A02-ADVR4	A02-ACAM2Kit A02-ACAM2Kit-W	A02-ACAM4Kit A02-ACAM4Kit-W
- DVR (A02-ADVR2 / A02-ADVR4) 4 Balun - Komplette Bedienungsanleitung (in italienischer und englischer Sprache) - USB-Maus - Infrarot-Fernbedienung (ohne Batterien) - AD/DC-Netzteil (12V@5A) mit Splitter für die 4 Telekameras/DVR - CD-ROM mit mehrsprachiger Bedienungsanleitung (Italienisch und Englisch) und Software - Garantie-Coupon	- DVR (A02-ADVR2) 4 Infrarot-Telekameras (A02-OACAM1-X) 4 Befestigungsbügel 4 Balun - Komplette Bedienungsanleitung (in italienischer und englischer Sprache) - USB-Maus - Infrarot-Fernbedienung (ohne Batterien) - AD/DC-Netzteil (12V@5A)	- DVR (A02-ADVR4) 4 Infrarot-Telekameras (A02-OACAM1-X) 4 Befestigungsbügel 4 Balun - Komplette Bedienungsanleitung (in italienischer und englischer Sprache) - USB-Maus - Infrarot-Fernbedienung (ohne Batterien) - AD/DC-Netzteil (12V@5A)

	- mit Splitter für die 4 Telekameras/DVR CD-ROM mit mehrsprachiger Bedienungsanleitung (Italienisch und Englisch) und Software - Garantie-Coupon	- mit Splitter für die 4 Telekameras/DVR CD-ROM mit mehrsprachiger Bedienungsanleitung (Italienisch und Englisch) und Software - Garantie-Coupon
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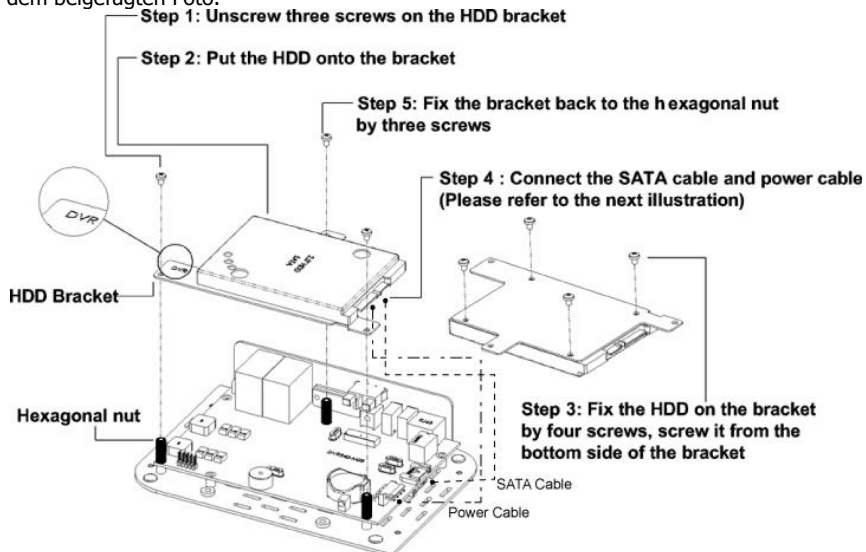
Sollten in der Verpackung nicht alle obigen Teile enthalten sein, wenden Sie sich bitte unverzüglich an Ihren Händler.

1.3 EINBAU DER FESTPLATTE IN DEN DIGITAL-VIDEOREKORDER (A02-ADVR2)

- Die 4 Befestigungsschrauben der unteren Platte und dann die 2 Befestigungsschrauben der hinteren Platte herausdrehen.

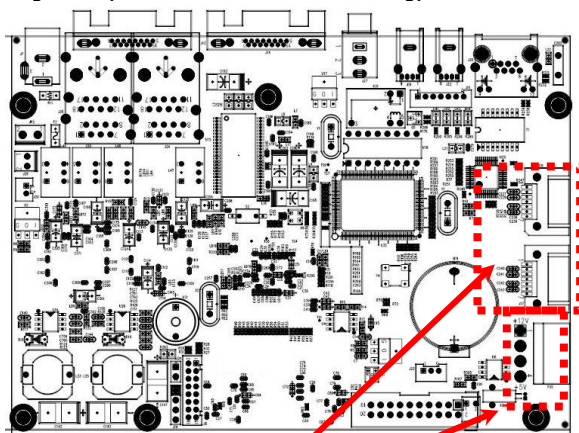


- Die Abdeckung vorsichtig abnehmen.
- Die 3 Befestigungsschrauben des Haltebügels für die HDD herausdrehen.
- Die HDD am Bügel abstützen und die 4 Befestigungsschrauben anziehen.
- Die Kabel SATA/VERSORGUNG an der HDD anschließen.
- Den Haltebügel wieder anbringen und die 3 Befestigungsschrauben anziehen.
- Die Abdeckung wieder anbringen und die 4 Befestigungsschrauben an der unteren Platte und die 2 Befestigungsschrauben an der hinteren Platte wieder anziehen. Weitere Details entnehmen Sie bitte dem beigefügten Foto.



Die HDD muss bei abgeschaltetem System eingebaut werden. Es kann sein, dass nicht alle Festplatten einwandfrei funktionieren. Überprüfen Sie daher bitte im Anhang B, ob die Festplatte in der Liste der kompatiblen Geräte aufgeführt ist. Vergewissern Sie sich vor dem Schließen des Gehäuses, dass sich keine Metallteile mehr darin befinden.

In der Abbildung unten sind die Stecker am PCB für den Anschluss der SATA-Kabel aufgeführt (technischen Daten und Leistung).

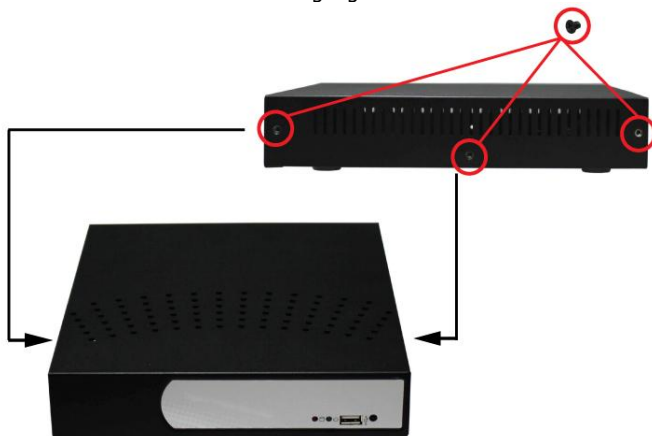


HDD Data

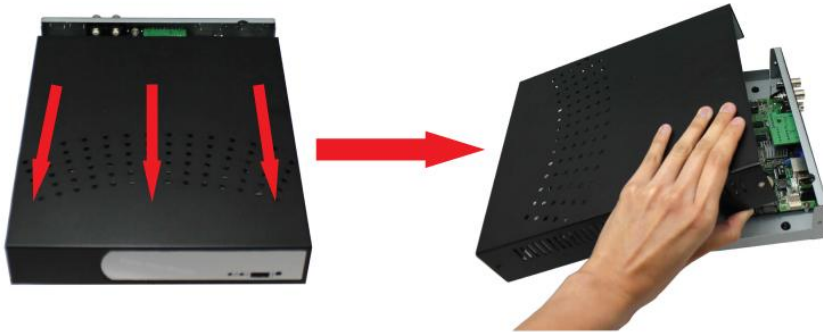
HDD Power Connector

1.4 EINBAU DER FESTPLATTE IN DEN DIGITAL-VIDEOREKORDER (A02-ADVR4)

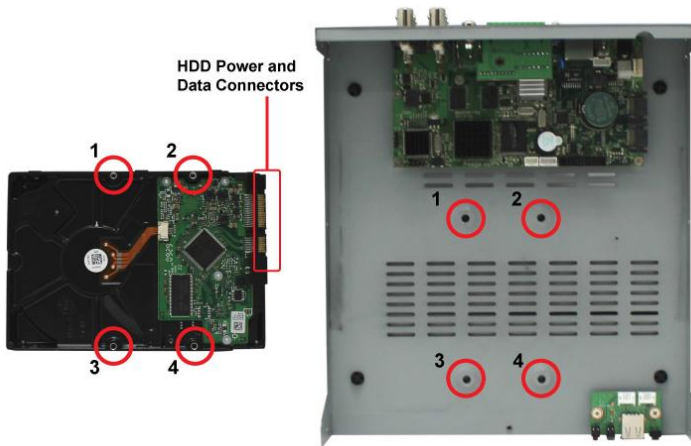
- Die seitlichen und hinteren Befestigungsschrauben lösen.



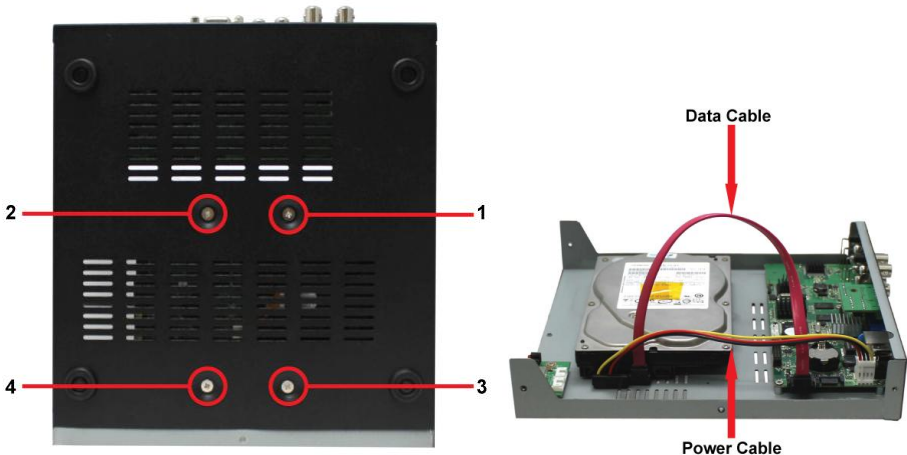
- Die Abdeckung vorsichtig, wie in der Abbildung gezeigt, abnehmen.



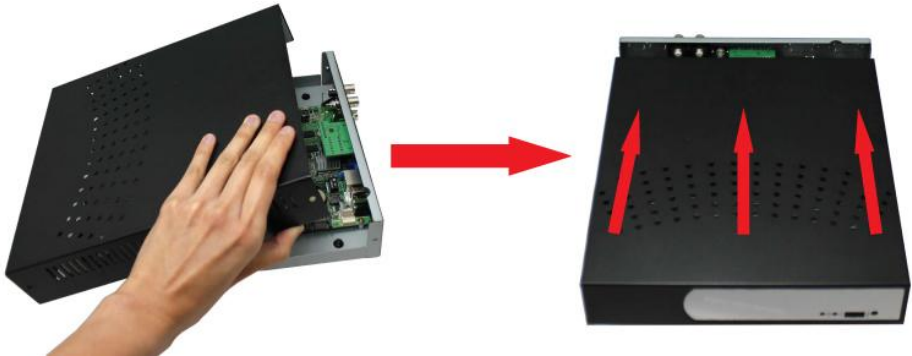
- Das Datenkabel und das Netzkabel an der Festplatte anschließen.



- Die HD am Bügel anbringen und mit den Schrauben befestigen.



- Prüfen, ob die Stecker richtig angeschlossen sind. Die Abdeckung schließen und die Schrauben wieder anziehen.

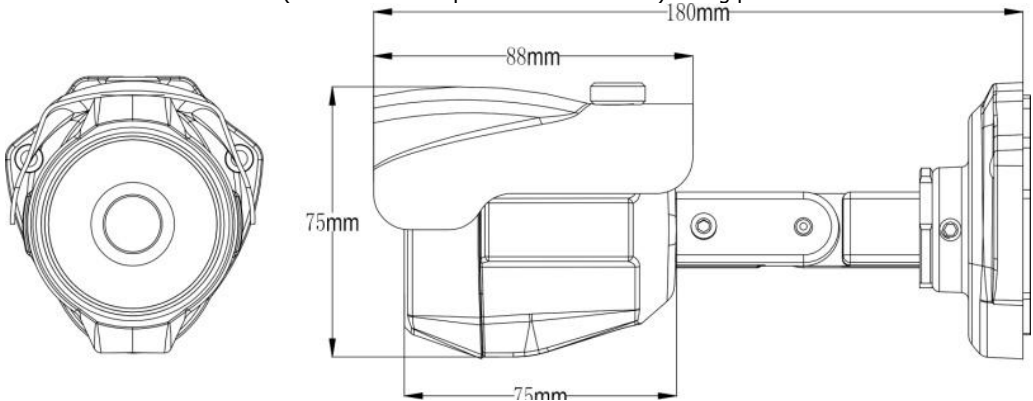


Die HDD muss bei abgeschaltetem System eingebaut werden.

Es kann sein, dass nicht alle Festplatten einwandfrei funktionieren. Überprüfen Sie daher bitte im Anhang B, ob die Festplatte in der Liste der kompatiblen Geräte aufgeführt ist.

1.5 MONTAGE DER TELEKAMERA

NetCamera Ethernet System verfügt auch über ein Einbau-Kit für die Montage von Telekameras an Wänden und/oder für die Desktop-Montage. Hierfür sind 3 Schrauben/Stifte (im Lieferumfang sind 3 Schrauben mit der entsprechenden Wandbefestigung enthalten) zur Befestigung der Grundplatte an einer ebenen Fläche (Wand oder Decke) zu verwenden. Die Grundplatte im hinteren/unteren Teil der Telekamera verschrauben. Anschließend die Telekamera (mit Hilfe der entsprechenden Schraube) richtig positionieren.



Dann den Video-Ausgang und den Leistungs-Eingang der Telekamera am Balun und diesen über das Ethernet-Kabel am DVR anschließen (an einem der 4/8 Eingänge CH IN).



Die NetCamera darf nicht im Freien bzw. in der Witterung ausgesetzter Umgebung angebracht werden.

Vergewissern Sie sich, dass der Sockel fest an der Wand befestigt ist (um ein Herabstürzen der NetCamera zu vermeiden).

Die Optik darf keiner direkten Sonneneinstrahlung ausgesetzt werden.

Bei Nichteinhaltung der obigen Hinweise und Vorschriften kann das Produkt beschädigt werden und die Garantie verwirkt.

1.6 ANSCHLIESSEN DER TELEKAMERA

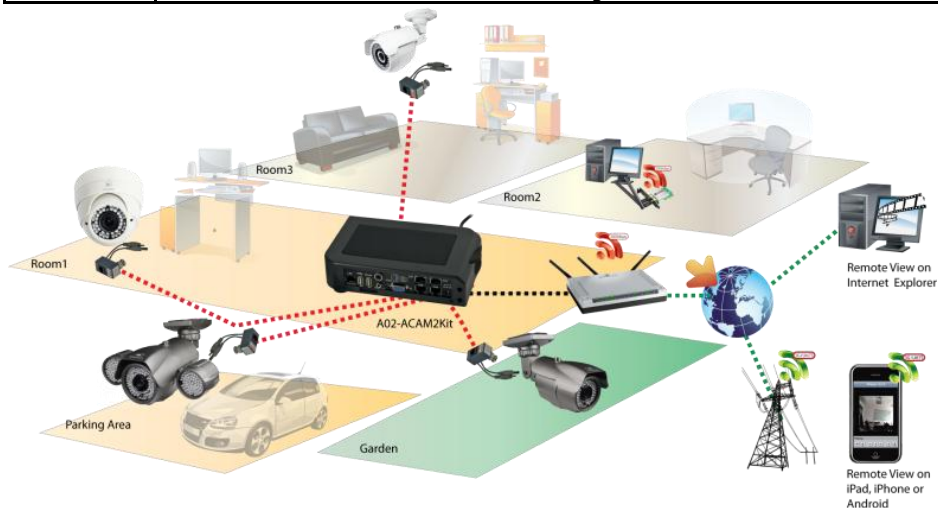
Nachstehend sind die Anweisungen für den Anschluss der 4 Infrarot-Telekameras mit Hilfe der mitgelieferten Baluns aufgeführt. Das Verbindungskabel zwischen Balun und DVR ist ein normales 8-adriges CAT5-Netzwerkkabel (Direktanschluss, Länge bis 100 m).



Beim Anschließen der Telekameras sind die nachstehenden Schritte zu befolgen:

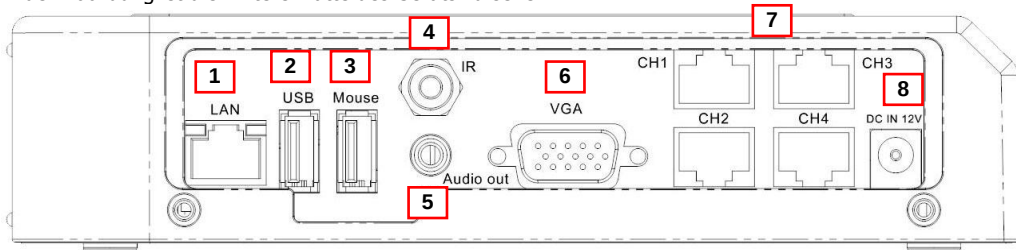
- BNC-Kabel/Versorgung BALUN an die Telekamera anschließen.
- RC-Kabel des BALUNS an ein Mikrofon (optional) anschließen.
- Das eine Ende eines Ethernet-Kabels (CAT5E) an den BALUN und das andere Ende an den DVR anschließen (CH1, CH2, CH3 oder CH4).
- Wiederholen Sie diese Schritte für alle Telekameras.

Die Ethernet-Kabel sind nicht im Lieferumfang enthalten.



1.7 ANSCHLIESSEN DES DIGITAL-VIDEOREKORDERSA (A02-ADVR2)

In der Abbildung ist die hintere Platte des Geräts zu sehen.



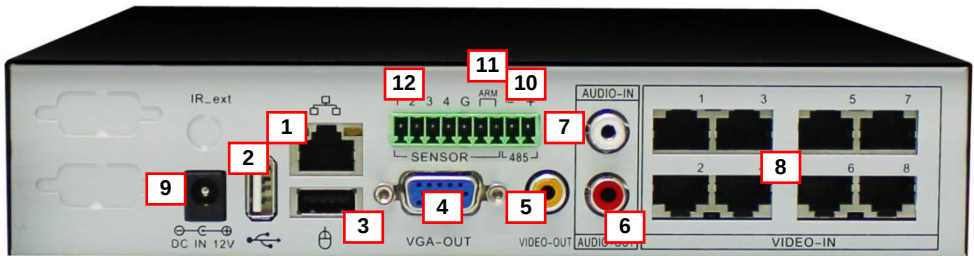
Nr.	FUNKTION	BEDEUTUNG
1	Ethernet-Port	Verwenden Sie diesen Ethernet-Port (Schnittstelle RJ45) zum Anschließen des Geräts an die LAN.
2	USB-Port	Verwenden Sie diesen USB-Port zum Anschließen von externer Speicherperipherie (HDD, Speicher-Sticks) für Datensicherung oder Firmware-Updates. Anschluss/Herausnahme im warmen Betriebszustand möglich.
3	USB-Port	Schließen Sie die mitgelieferte Maus an.
4	IR Extender	N/A
5	Audio-Ausgang	Audio-Ausgang (RCA-Schnittstelle).
6	VGA-Ausgang	Anschluss an einen externen Bildschirm (VGA-Schnittstelle). Maximale Auflösung: 1280x1024 Pixel.
7	Video-Eingang (RJ45)	Verwenden Sie CAT5-Ethernet-Kabel zum Anschließen der Telekameras mit Hilfe der mitgelieferten BALUNS.
8	Plug Versorgung	Plug für Versorgung anschließen. Verwenden Sie ausschließlich das mitgelieferte Netzteil. Die Kenndaten lauten: DC, 12V@5A.
	Audio-Eingang	Audio-Eingang (RCA-Schnittstelle).
	RCA-Ausgang	Anschluss an einen externen Bildschirm (RCA-Schnittstelle).

Schließen Sie an den Digital-Videorekorder (mit bereits eingebauter HDD) in der nachstehenden Reihenfolge an:

- die von den an die 4 Telekameras angeschlossenen Baluns kommenden CAT5-Kabel (Ethernet-Kabel, Ref. Sektion 1.6)
- die mitgelieferte Maus an den DVR
- das VGA-Kabel an einen Bildschirm
- das Netzkabel für den Anschluss an den Switch/Router (optional)
- den Lautsprecher (optional)
- das Netzkabel

1.8 ANSCHLIESSEN DES DIGITAL-VIDEOREKORDERSA (A02-ADVR4)

In der Abbildung ist die hintere Platte des Geräts zu sehen.



Nr.	FUNKTION	BEDEUTUNG
1	Ethernet-Port	Verwenden Sie diesen Ethernet-Port (Schnittstelle RJ45) zum Anschließen des Geräts an die LAN.
2	USB-Port	Verwenden Sie diesen USB-Port zum Anschließen von externer Speicherperipherie (HDD, Speicher-Sticks) für Datensicherung oder Firmware-Updates. Anschluss/Herausnahme im warmen Betriebszustand möglich.
3	USB-Port	Schließen Sie die mitgelieferte Maus an.
4	VGA-Ausgang	Anschluss an einen externen Bildschirm (VGA-Schnittstelle). Maximale Auflösung: 1280x1024 Pixel.
5	RCA-Ausgang	Anschluss an einen externen Bildschirm (RCA-Schnittstelle).
6	Audio-Ausgang	Audio-Ausgang (RCA-Schnittstelle).
7	Audio-Eingang	Audio-Eingang (RCA-Schnittstelle).
8	Video-Eingang (RJ45)	Verwenden Sie CAT5-Ethernet-Kabel zum Anschließen der Telekameras mit Hilfe der mitgelieferten BALUNS.
9	Plug Versorgung	Plug für Versorgung anschließen. Verwenden Sie ausschließlich das mitgelieferte Netzteil. Die Kenndaten lauten: DC, 12V@5A.
10	RS485	eine Fernsehkamera mit PTZ verbinden
11	ALARM	eine Außen Sirene verbinden
12	SENSOR	bis zu 4 Außen Alarmen verbinden

Schließen Sie an den Digital-Videorekorder (mit bereits eingebauter HDD) in der nachstehenden Reihenfolge an:

- die von den an die 4 Telekameras angeschlossenen Baluns kommenden CAT5-Kabel (Ethernet-Kabel, Ref. Sektion 1.6)
- die mitgelieferte Maus an den DVR
- das VGA-Kabel an einen Bildschirm
- das Netzkabel für den Anschluss an den Switch/Router (optional)
- den Lautsprecher (optional)
- das Netzkabel

2. INBETRIEBNAHME DES DIGITAL-VIDEOREKORDERS

2.1. FESTPLATTENFORMATIERUNG

Nach strikter Einhaltung der in den vorangegangenen Kapiteln enthaltenen Anweisungen und dem Anschluss des Systems an das Stromnetz erscheint in der Boot-Phase die folgende Bildschirmseite.

Release Date: Oct 25 2010 17:33:16

Video: PAL

Hard Drive: WDC WD7500AYPS-01ZKB Rec:02.0

715403MB...Empty Disk

DVR needs to format HDD,

All data will be lost...

☐  Format / ☐  Cancel?

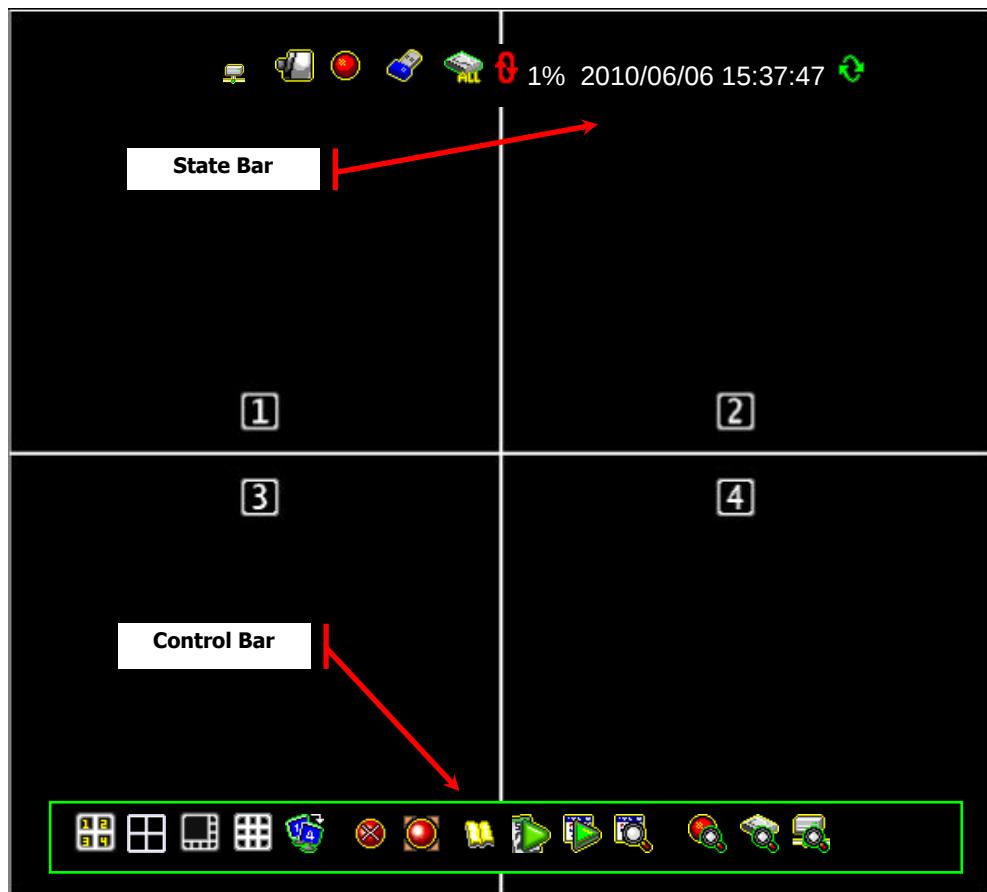
Das System hat eine Festplatte gefunden und fragt, ob diese formatiert werden soll. Die Frage erscheint nur bei unformatierter Festplatte. Wählen Sie (durch Bewegen des Cursors auf dem Bildschirm) **Format** aus bestätigen Sie durch Klicken auf die linke Maustaste.



Bevor die Festplatte in den DVR eingesetzt wird, sollte sie nicht mit anderen Geräten vorformatiert werden.

2.2. STARTBILDSCHIRM

Nach dem Bootvorgang erscheint die folgende Bildschirmseite. Wurden Telekameras angeschlossen, erscheinen diese auf dem Bildschirm (zur Vollansicht Doppelklicken Sie mit linker Maustaste auf einen Kanal; durch erneuten Doppelklick gelangen Sie wieder zur Mehrfachanzeige).



Über die Hauptschnittstelle lassen sich Informationen/Icons über die Gesamtübersicht des Betriebszustands des Geräts abrufen bzw. anzeigen.

Mit Drag&Drop lässt sich die Position der Kanäle auf dem Bildschirm verschieben, ohne die Kabelanschlüsse zu verändern (gehen Sie mit dem Cursor auf den Kanal, halten Sie die linke Maustaste gedrückt und ziehen Sie ihn in die gewünschte Position).



In OSD kann die Spracheinstellung geändert werden. Gehen Sie in **Main Menu->System->Language** und wählen Sie dann aus der Combobox die vom DVR verwendete OSD-Sprache aus.

Das Gerät führt einen Neustart durch. Die OSD-Sprache dieses Handbuchs ist Englisch.

Informationen zur Kanalleiste (Channel Bar)

Neben dem Icon zur Angabe der Kanal-Nr. befindet sich eine Iconleiste.

Icon	Bedeutung
   	Kanal-Nr.
	Kein Signal
	Aufzeichnung aktiv
	Alarm
 	Bei Aufleuchten: Motion Detection aktiv Bei Blinken: Trigger Motion Detection

Informationen zur Statusleiste (State Bar)



Im oberen Teil des Bildschirms befindet sich eine Iconleiste.

Icon	Funktion	Icon	Funktion
	Kamera ist in Betrieb		Kein Signal
	System zeichnet auf		Aufzeichnung gesperrt
	Aktive Aufzeichnung erzwungen		LAN-Anschluss aktiv
	USB-Gerät angeschlossen		LAN-Anschluss nicht aktiv
	Überschreiben der Festplatte möglich		Festplattenstatus
	Erscheint bei aktivem Modus Kanal-Rotation (AutoChannel Rotation)		
XX%	Prozentsatz der belegten Kapazität der HDD		
2010/06/03	Systemdatum		
15:37:47	Systemuhrzeit		

Informationen zur Steuerungsleiste (Control Bar)

Zur Anzeige der Steuerungsleiste (Control Bar) rechte Maustaste drücken oder Cursor in den unteren Teil des Bildschirms bewegen.



Icon	Funktion	Icon	Funktion
	Anklicken, um die auf dem Bildschirm angezeigten Kanäle wieder in die Standardposition zu bringen		Anklicken, um in den 4-Kanal-Anzeigemodus zu gelangen
	Anklicken, um den Modus Kanal-Rotation (AutoChannel Rotation) zu aktivieren		Anklicken, um in das Hauptkonfigurationsmenü zu gelangen
	Beginnt mit der Aufzeichnung		Stoppt die Aufzeichnung
	Erzwingt den Aufzeichnungsbeginn		Stoppt die erzwungene Aufzeichnung
	(Nach Authentifizierung) anklicken, um die vom System aufgezeichneten Dateien wiederzugeben/zu speichern		(Nach Authentifizierung) anklicken, um die vom System aufgezeichneten Dateien wiederzugeben/zu speichern
	(Nach Authentifizierung) anklicken, um Zugang zu den vom System aufgezeichneten Log-Dateien zu erhalten		Anzeige der Informationen über den Aufzeichnungsmodus
	Anzeige der Informationen über die HDD		Anzeige der Informationen über LAN

Menü



Klicken Sie auf das Icon (), um zum Hauptmenü zu gelangen. Es erscheint die **Login**-Bildschirmseite. Das Standard-Passwort für den Zugang lautet **123456**.

Icon	Name	Funktion
	DVR Power Supply	Anklicken und dann auswählen, ob der DVR ausgeschaltet oder neu gestartet werden soll
	Channel Setup	Auswählen, um die Anzahl der aktiven Kanäle (in Aufzeichnung), den angezeigten Namen und die Farbe einzustellen
	Record Setup	Auswählen, um geplante Aufzeichnungen, Video und Videoqualität einzustellen
	Detector Setup	Auswählen, um Motion Detection und Alarme einzustellen
	Authentication Setup	Auswählen, um Login-Accounts einzustellen
	System Setup	In diesem Bereich können die im Konfigurationsmenü verwendete Sprache, die Zustandsicons, Datum/Uhrzeit, Eingabe-Peripherie eingestellt werden.
	Hardware Setup	In diesem Bereich können Einstellungen zur Datenspeicherung auf der HDD, zu LAN, Audio und Video vorgenommen werden
	Utility/Tools	In diesem Bereich können die Formatierung der Festplatte/USB-Peripherie, das Firmware-Update, der Export der Konfigurationsdatei und die Wiederherstellung der Ausgangsbedingungen vorgenommen werden
	Exit Main Menu	Anklicken, um das Hauptmenü zu verlassen

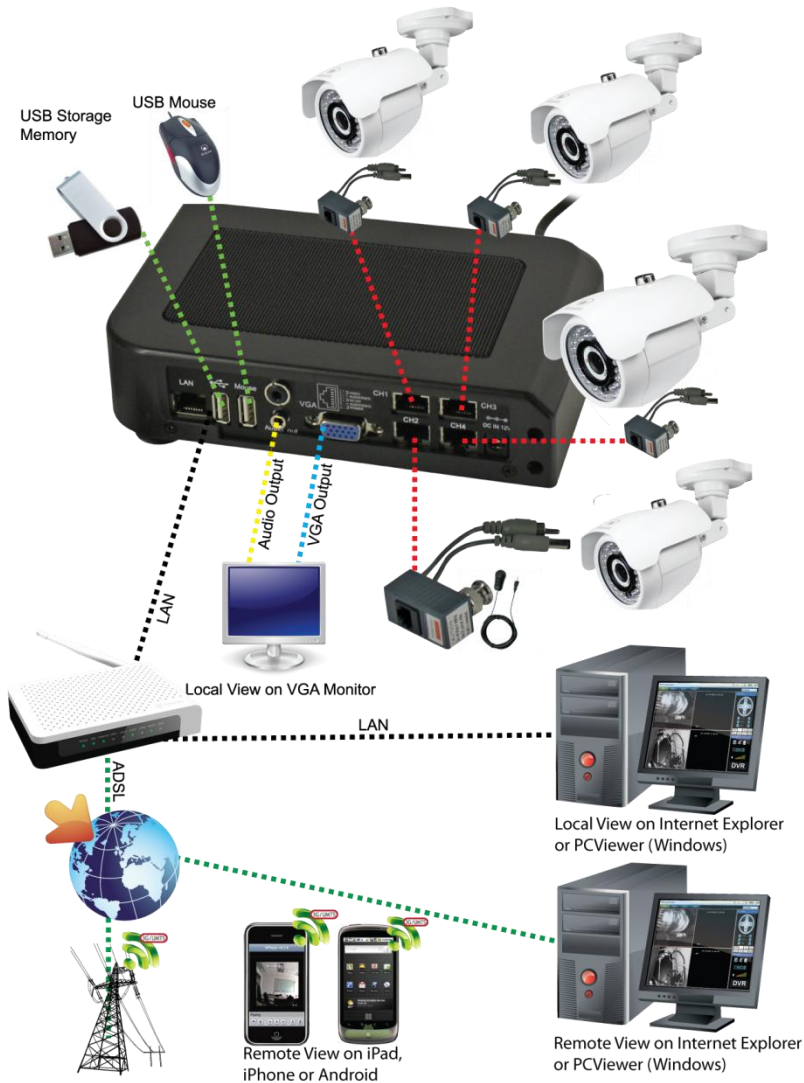
	Weitere Einzelheiten befinden sich im Handbuch auf der mitgelieferten CD.
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3. NETZFUNKTIONEN

Es gibt 3 verschiedene Verfahren für den Fern-/Lokalzugriff auf den DVR über die Nutzfunktionen:

- über den Browser **Internet Explorer** (mit Active X)
- über den **PC Viewer** (siehe Handbuch in Druckform) in Windows-Umgebung
- über **iPhone/iPad/Android**.

Es gilt folgendes Zugangsschema (Fern-/Lokalzugriff). Bei allen Geräten im LAN des Digital-Videorekorders sind Lokalzugriffe möglich.



3.1 ZUGRIFF ÜBER INTERNET EXPLORER

Für den Fern-/Lokalzugriff auf den DVR kann Internet Explorer (IE) 6.0 oder spätere Versionen verwendet werden.

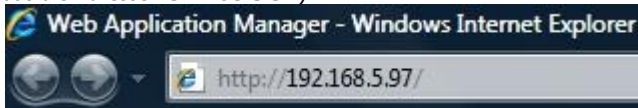


Wenn sich die ActiveX Steuerelemente nicht installieren lassen (IE kann den DVR-Bildschirm nicht anzeigen), prüfen Sie bitte wie folgt:

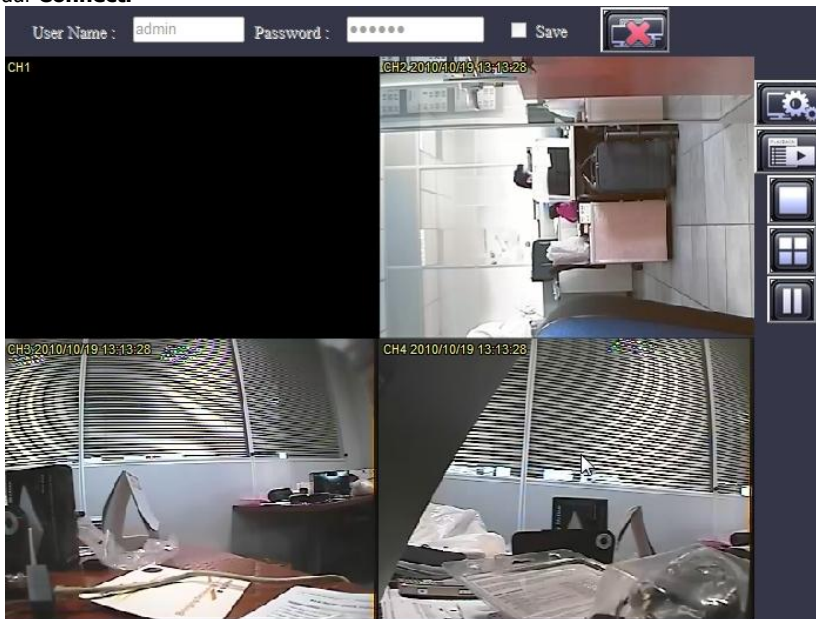
- Unter **Geräte->Internetoptionen->Sicherheit** wählen Sie **Internet/Intranet** und stellen Sie die Stufe **Mittel Hoch Voreingestellt** ein.
- Unter **Geräte->Popup-Blocker** wählen Sie **Popup-Blocker deaktivieren** aus.

Für den **Lokalzugriff** gehen Sie folgendermaßen vor:

- Unter **Main Menu->Hardware Setup->Network Setup** finden Sie die dem DVR zugewiesene IP-Adresse (im Feld **IP address**). Alternativ können Sie auch **Network Information** in der Steuerungsleiste anklicken.
- Gehen Sie über den Browser zur obigen Adresse und drücken Sie die Sendetaste (in der Abbildung ist das die Adresse **192.168.5.97**)



- Bei Erstinstallation müssten einige ActiveX-Komponenten installiert werden.
- Geben Sie Username (Benutzername) und Password (Passwort) ein (**admin, 123456**) und klicken Sie auf **Connect**.



Für den **Fernzugriff** gehen Sie folgendermaßen vor:

- Unter **Main Menu->Hardware Setup->Network Setup** finden Sie die dem DVR zugewiesene IP-Adresse (im Feld **IP address**). Hier sollte eine statische IP-Adresse zugewiesen werden, die mit dem eigenen LAN, einschließlich Default Gateway, kompatibel ist.
- Gehen Sie zu **Main Menu->Hardware Setup ->Network Setup->Management/Monitoring Setup** und geben Sie den verwendeten Port (standardmäßig 8000) **Port** ein und wählen Sie die Audio-Übertragungsqualität (**Audio Transmission**) und Video-Übertragungsqualität (**Video Transmission Quality**).

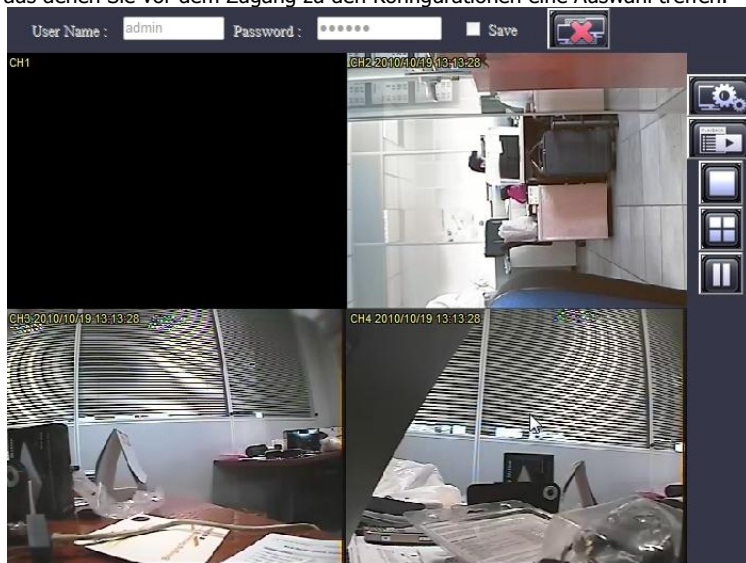
- Gehen Sie zum Router und erstellen Sie 2 Virtual Server (virtuelle Server) bei der statischen IP-Adresse des DVR für die obigen Ports (**80** und **Port**).
- Gehen Sie über den Browser zur öffentlichen Adresse des Routers* und drücken Sie die Sendetaste.
- Möglicherweise müssen Sie bei der Erstinstallation einige ActiveX-Komponenten installieren.
- Geben Sie Username (Benutzername) und Password (Passwort) ein (**admin**, **123456**) und klicken Sie auf **Connect**.



Sieht der Vertrag mit dem ISP keine statische IP-Adresse vor, kann ein Dienst **Dynamic DNS** verwendet werden. Weitere Einzelheiten entnehmen Sie bitte dem **Anhang A** des kompletten Handbuchs.

An dieser Stelle erscheint das **Hauptmenü**; rechts im oberen Teil gelangen Sie (über die 5 Icons) zu allen verfügbaren Bereichen:

- Klicken Sie auf **Config** (), um zur Systemkonfiguration zu gelangen.
- Klicken Sie auf **Search** (), um zum Bereich Suchen/Anzeige zu gelangen.
- Klicken Sie auf  oder  , um in den 1-Kanal- oder 4-Kanal-Modus (Standard) zu gelangen.
- Klicken Sie auf **Pause View** (), um die Videoströme auf dem Bildschirm zu unterbrechen. Durch Anklicken des gewünschten Bereichs erscheinen im Bereich Homepage alle Konfigurationseinstellungen des ausgewählten Bereichs oder es erscheint eine Reihe von Unterbereichen, aus denen Sie vor dem Zugang zu den Konfigurationen eine Auswahl treffen.





Weitere Einzelheiten entnehmen Sie bitte dem kompletten Handbuch auf der mitgelieferten CD.

3.2 MOBILER ZUGRIFF

Über diese Funktion können Sie Videoströme auf dem eigenen tragbaren Gerät überall und jederzeit ansehen. Der DVR unterstützt ausschließlich **iPhones®** und **iPad** und **Android**.

Setup des DVR

Zunächst sollte der DVR richtig konfiguriert werden. Hierfür überprüfen Sie die nachstehenden Punkte:

- Der DVR muss über LAN an ein Gerät, das einen Internet-Anschluss bietet (normalerweise ADSL-Router), angeschlossen sein.
- Unter **Main Menu->Hardware Setup->Network Setup** finden Sie die dem DVR zugewiesene IP-Adresse (im Feld **IP address**). Es sollte eine statische IP-Adresse zugewiesen werden, die mit dem eigenen LAN kompatibel ist.
- Gehen Sie zu **Main Menu->Hardware Setup ->Network Setup->Management/Monitoring Setup** und geben Sie den verwendeten Port (standardmäßig 8000) **Port** ein und wählen Sie die Audio-Übertragungsqualität (**Audio Transmission**) und Video-Übertragungsqualität (**Video Transmission Quality**).
- Beim Router für den Internet-Anschluss und erstellen Sie 1 Virtual Server (virtuellen Server) an der dem DVR am obigen Port (**Port**) zugewiesenen statischen IP-Adresse.
- Zur Anzeige des Videostroms gehen Sie über den auf dem mobilen Gerät installierten Client (siehe folgender Abschnitt) zur öffentlichen Adresse des Routers*.

Gehen Sie zur Installation/Konfiguration des Client auf dem mobilen Gerät.

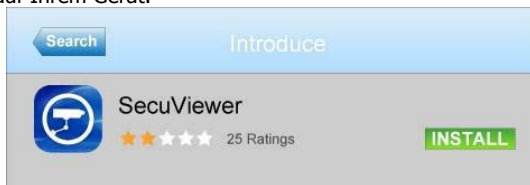


*Sieht der Vertrag mit dem ISP keine statische IP-Adresse vor, kann ein **Dynamic DNS**-Dienst verwendet werden. Weitere Einzelheiten entnehmen Sie bitte dem **Anhang A** des kompletten Handbuchs.

Installation und Konfiguration des Client bei iPad® und iPhone®

Über diese Funktion lassen sich jederzeit und überall Videoströme auf dem eigenen tragbaren Gerät anzeigen.

- Gehen Sie auf die Website von Apple <http://www.apple.com/itunes/>, um **iTunes** herunterzuladen und zu installieren.
- Erstellen Sie einen **Account** (hier sind die Eingabe von personenbezogenen Daten und Angaben zur Kreditkarte für den Bezahlvorgang erforderlich). Wenn Sie bereits einen Account besitzen, können Sie diesen verwenden. **Die Anwendung ist kostenlos**.
- Laden Sie die Anwendung **SecuViewer (IOS 4.0 erforderlich)** herunter und installieren Sie diese auf Ihrem Gerät.



- Starten Sie auf dem Apple-Gerät die Anwendung **SecuViewer**.



- Es wird die Hauptschnittstelle von **SecuViewer** angezeigt. Bevor Sie beginnen, sollten Sie die Zugangskonfiguration vornehmen. Klicken Sie auf das Icon Setup (⚙️). Nach der Konfiguration können Sie Fotos aufnehmen und den Wiedergabekanal ändern.

Network IP Address

Network Port

User Name

Password

Ok

Cancel



Geben Sie die IP-Adresse des ADSL-Routers WAN-seitig (für den Fern-Zugriff) oder IP LAN des DVR (bei Anschluss des Client an die LAN des DVR) ein. Geben Sie dann den verwendeten Port (standardmäßig 8000), den Benutzernamen und das Passwort für den Zugriff ein. Klicken Sie auf **OK**, um den Vorgang zu bestätigen.

Installation und Konfiguration des Client bei Android

- Laden Sie die Anwendung **SecuViewer** herunter und installieren Sie diese auf Ihrem Gerät.
- Starten Sie auf dem Apple-Gerät die Anwendung **SecuViewer**.
- Den vorhergehenden Abschnitt konsultieren

APPENDIX A: TECHNICAL SPECS

Technical Specs	
Product Name	Camera 1 NV
Code	▪ A02-OACAM1 ▪ A02-OACAM1-W
Image Sensor	1/4" SONY SUPER HAD CCD II
Effective Pixel (HxV)	PAL:537×597 (NTSC:537×505)
Resolution	420 TVL
LENS	3.6 mm fisheye optical lens
Min Illumination	0 LUX with IR ON
IR Distance	Up to 12mt
LED	28pcs (φ5 IR 850nm) LED
Anti-Exposure IR Night Vision	Yes (OSP Special features)
S/N Ratio	> 48db
White balance	Auto White Balance (2500K-9500K)
Video output	1.1Vp-p/75Ω
Electronic Shutter	PAL:1/50-1/100000 sec (NTSC:1/60-1/100000 sec)
Gain control	Auto Gaining
Back light	Auto backlight compensation
Waterproof Rating	IP67
Lightningproof function	Multiple Lightning Proof
Operation Temp.	Temp.-10°C to 40°C RH 85% Max
Power Supply	DC12V 300mA
Housing	Aluminium
Dimension	180mm(D)×75mm(H)
Weight	580g

Technical Specs		
Product Name	NetDVR 2	NetDVR 2
Code	A02-ADVR2	A02-ADVR4
Video Input	4 x RJ45 (BNC Cameras over Balun)	8 x RJ45 (BNC Cameras over Balun)
Video Output	1 x VGA (Monitor) (up to 1280*1024) 1 x RCA	
Audio Input	1 x RCA (Microphone)	
Audio Output	1 x RCA (Speaker)	
Other Connectors	RJ-45 for Ethernet 10/100 Base-T (PoE) 2 x USB (mouse and external storage peripherals) DC power jack IR Extender (not included)	
Other Interfaces		RS485 (PTZ) EXTERNAL ALARM EXTERNAL SENSOR (Max 4)
Housing	Aluminium	
Video Compression	H.264	
Video System	PAL	
OS	Linux Based (2.6)	

Display Frame Rate	PAL: 100fps NTSC: 120 fps	
Playback Resolution	PAL: CIF (352x288), HD1(704x288), D1(704x576)	
Recording Frame Rate	PAL: 100fps@CIF, 100fps@HD1(704x288), 50@D1(704x576)	
Recording Mode	Always Schedule Motion Detection Manual	
Recording File Size	15/30/45/60mins file time selectable	
Playback	Local Playback: up to 4 channels at the same time Network: 1 channel	
Playback Search	Date/Time/FileList	
Playback Mode	PLAY/SLOW/FWD/Frame by Frame	
Audio Compression	8Khz x 16bit ADPCM	
HDD Interface	Internal 2,5" SATA interface (up to 750 GB)	Internal 3,5" SATA interface (up to 2TB)
Network Interface	RJ45 10/100Mbps	
Network Protocol	TCP/IP, DHCP, DDNS, PPPoE	
Network Function	Live View/Management with Internet Explorer Live View with iPhone and iPad PC Viewer can manage up to 4 DVR at the same time	
Advanced Alarm Setup	Motion Detection (Recording, Buzzer, switch to Full Screen) HDD Loss (Buzzer) Blind/light Detect (Buzzer) Video Loss (Buzzer)	
Backup	USB Flash USB HDD HD	
PTZ Control	N/A	
Certifications	CE (Europe)	
Power	AC-DC 12V@5A Max Power Consumption: 15W (without HDD)	AC-DC 12V@5A Max Power Consumption: 19W (without HDD)
Dimensions (WxHxD)	175mm x 122 x 44mm	235mm x 214 x 44mm
Weight	600g	900g
Temperature Range	Operation: 0°C ~ 32°C Storage: -10°C ~ 60°C	
Humidity	20% ~ 80% (non Condensing)	
System Requirements (only for WEB configuration or Live View with Internet Explorer)	TCP/IP protocol must be installed on each PC Web browser, such as Microsoft Internet Explorer 6.0 or later (Active X) Pentium 4 1800MHz (or equivalent AMD) with 512MB Graphic Card: 64 MB RAM graphic cards (or equivalent on-board graphic cards) Windows 2000, 2003, XP, Vista, 7	
Package Contents	DVR 4 Cameras (only for A02-ACAMX-Kit-X) 4 Brackets (only for A02-ACAMX-Kit-X) 4 Balun Quick Start Guide (English, Italian) USB Mouse IR Remote Controller (without batteries) Adapter AC-DC (12V@5A) for DVR and Cameras Cd-Rom with manual, Utility, Software	

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Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

Environmental factors will adversely affect wireless signal range.

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Hard drive not included. An internal SATA Hard Disk is required to store or share data files. This product may not work with older generation SATA drives.

For more info please check on the web site (list of Hard Drive and Mobile devices tested).

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Per maggiori informazioni circa la compatibilità dei dischi/periferiche mobile verificare sul sito web.



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