

Dear Customer!

By selecting this VC product you have chosen a professional device, which guarantees highest possible quality and reliability.

Please read the following instructions carefully before commissioning the product in order to be able to take full advantage of all quality features regarding this product line.

Streamserver

Art.No.: 12544-SF

Art.No.: 12588-SF

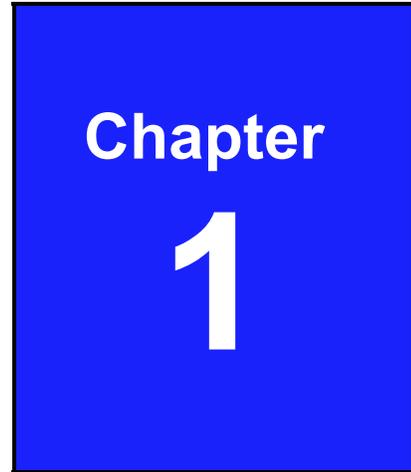
Art.No.: 12566-SF

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Overview



Art: 12544-SF

Lüfterloser 4-Kanal Video-Streamserver für 4 Kameras, VGA, USB und LAN-Anschlüsse

Funktionen:

- Bis zu 4 Videostreams gleichzeitig auf Windows PC
- Der integrierte Webserver ermöglicht den Zugriff von einem PC über die Browser Firefox, Internet Explorer oder Safari
- Übertragung von Live-Videobildern mit bis zu 25 fps
- Verbindung mit iPhone, iPad, Android Handy und Windows Phone
- HTTP-Request Funktion
- Optionale Aufnahme- und Backup-Funktion durch zusätzliche Festplatte
- USB-Anschlüsse für Mausbedienung oder Datenauslagerung auf USB-Stick (in Verbindung mit Festplatte)



Art: 12588-SF

Lüfterloser 8-Kanal Video-Streamserver für 8 Kameras, VGA, USB und LAN-Anschlüsse

Funktionen:

- Bis zu 8 Videostreams gleichzeitig auf Windows PC
- Der integrierte Webserver ermöglicht den Zugriff von einem PC über die Browser Firefox, Internet Explorer oder Safari
- Übertragung von Live-Videobildern mit bis zu 25 fps
- Verbindung mit iPhone, iPad, Android Handy und Windows Phone
- HTTP-Request Funktion
- Optionale Aufnahme- und Backup-Funktion durch zusätzliche Festplatte
- USB-Anschlüsse für Mausbedienung oder Datenauslagerung auf USB-Stick (in Verbindung mit Festplatte)



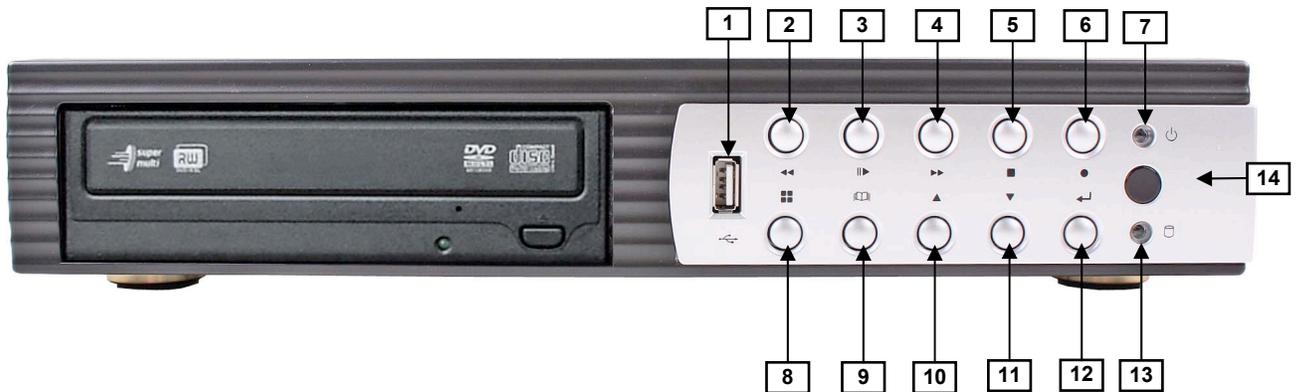
Art: 12566-SF

**Lüfterloser 16-Kanal Video-Streamserver für 16 Kameras,
VGA, USB und LAN-Anschlüsse**

Funktionen:

- Bis zu 16 Videostreams gleichzeitig auf Windows PC
- Der integrierte Webserver ermöglicht den Zugriff von einem PC über die Browser Firefox, Internet Explorer oder Safari
- Übertragung von Live-Videobildern mit bis zu 25 fps
- Verbindung mit iPhone, iPad, Android Handy und Windows Phone
- HTTP-Request Funktion
- Optionale Aufnahme- und Backup-Funktion durch zusätzliche Festplatte
- USB-Anschlüsse für Mausbedienung oder Datenauslagerung auf USB-Stick (in Verbindung mit Festplatte)

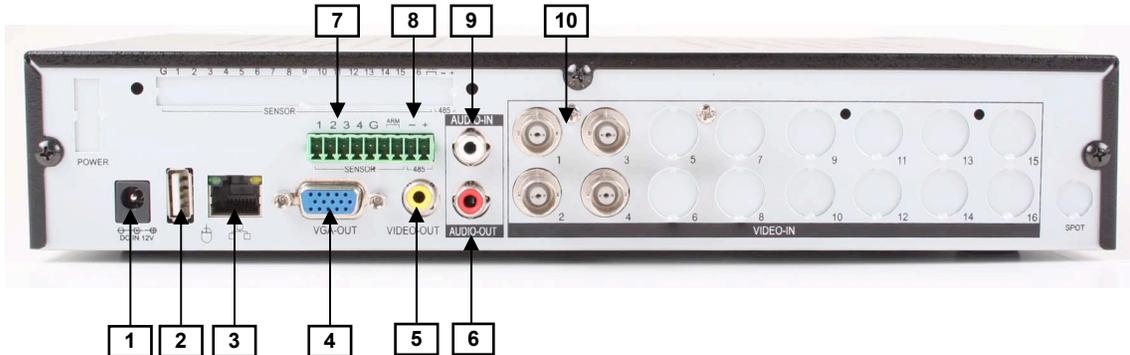
1.1 Control Bar



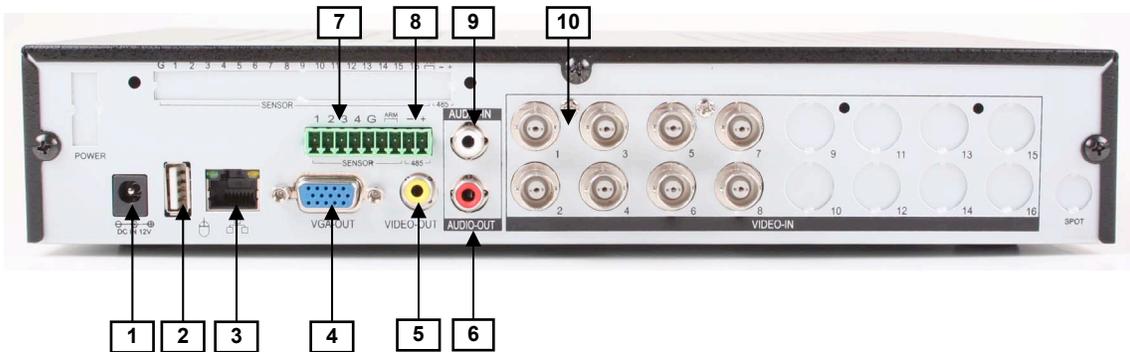
Nr	■ ■ Button / Name	Function
1	USB	PC Connection PC via USB 2.0 for firmware upgrading or Video Backup
2	◀◀ REW	Fast Rewind
3	⏸ PLAY	Play/Pause
4	▶▶ FF	Fast Forward
5	■ STOP	Stop playing / recording, open the PTZ menu
6	● REC	Start or stop the backup recording
7	Power LED (green)	The LED shows green light when the unit is turned on.
8	MODE	Display mode Frame, Quad, 8 Pictures
9	📖 MENU	Open / End the menu
10	▲UP	Select a menu item or change the value
11	▼DOWN	Select a menu item or change the value
12	↵SELECT/ENTER	Confirm
13	Hard disk active (red)	Blink when the Hard Disk is working
14	IR Receiver (red)	IR Remote control receiver

1.2 Rear Panel connections

4-Channels (4 BNC Video inputs)



8- Channels (8 BNC Video inputs), 16- Channels (16 BNC Video inputs)

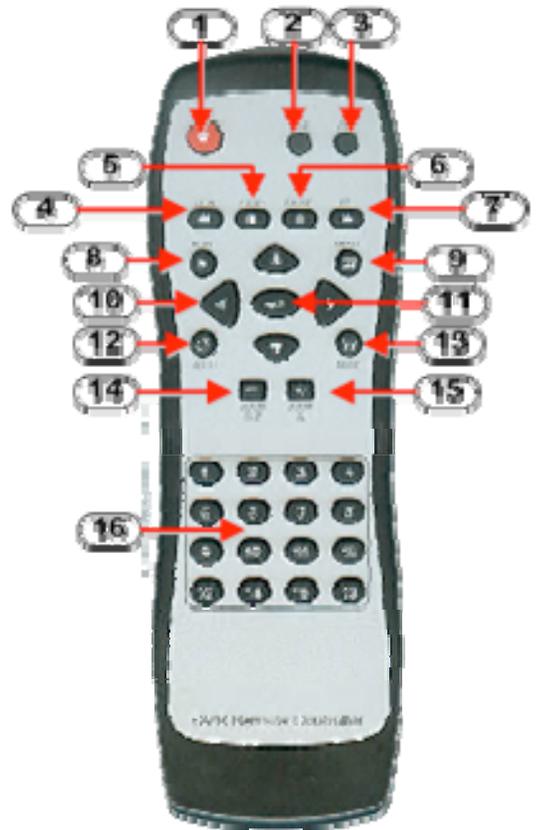


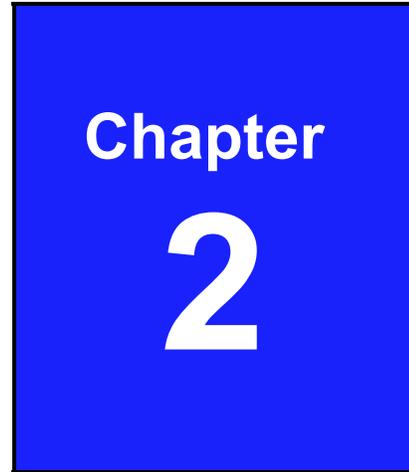
Nr	Name / Label	Function
1	DC IN 12V	Power supply input
2	USB/MOUSE	USB mouse port
3	LAN	RJ45 for network connection
4	VGA-OUT	VGA Output
5	VIDEO-OUT	Video Output
6	AUDIO-OUT	Audio Output
7	SENSOR	Alarm input "1~4" and common connection "G" (no Function)
8	RS-485	RS-485 connection (no Function)
9	AUDIO-IN	Audio input
10	VIDEO-IN	BNC Video input: CH1~CH4 (12544-SF), CH1~CH8 (12588-SF) CH1~CH16 (12566-SF)

1.3 Remote control (optional)

The Remote Control (Art.Nr.: 12547)

Nr	Button / Name	Function
1	● REC	Start of recording
2	● DVR	N/C
3		No Function
4	◀◀ REW	Fast rewind:
5	■ STOP	Stop play or stop recording.
6	⏸ PAUSE	Pause
7	▶▶ FF	Fast Forward
8	▶ PLAY	Play
9	📖 MENU	Open/close menu
10	▲(UP)/ ▼(DOWN)/ ◀(LEFT)/ ▶(RIGHT)	Moves up/down/left/right through the list of menus. Or use it to select / change the configuration values.
11	↵(Enter/Select)	Confirm the value
12	🔄 AUTO	Press AUTO button to start screen auto sequence.
13	MODE	Display mode : switch Picture/x4/x8 display.
14	- ZOOM OUT	N/C
15	+ ZOOM IN	N/C
16	1,2,----16	Select the camera 1-4 (Art No. 12544-SF) 1-8 (Art No. 12588-SF) 1-16 (Art No. 12566-SF)





Installation

2.1 Video format Detection

The Video-Streamserver automatically detects the video format of the camera connected (NTSC or PAL) as soon as the cameras are connected and the device is turned on.

Please look into the "Hardware Setup" from the automatic NTSC / PAL detection

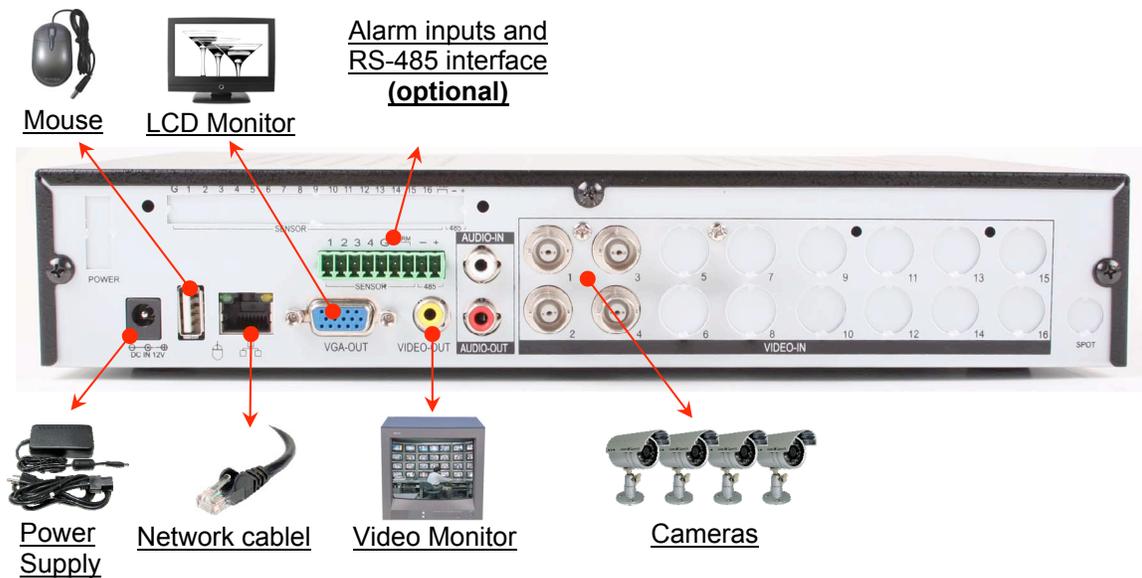
2.2 Connection Overview

Make all connections to the peripheral devices before turning on the Video-Streamserver.

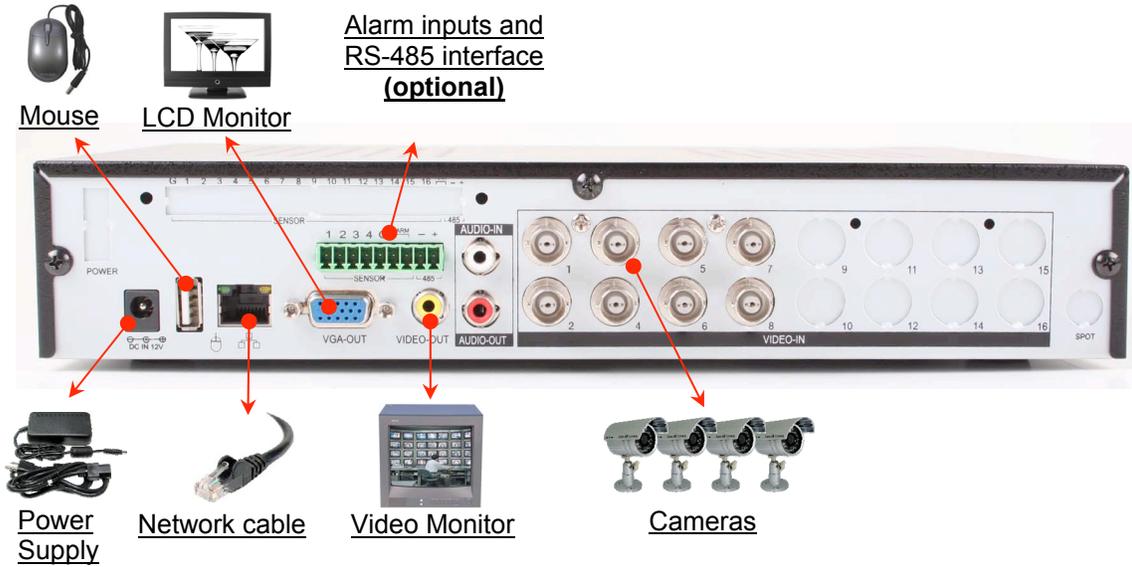
2.2.1 Preparing of connections

The pictures below advised instructions for connecting to the Video-Streamserver.

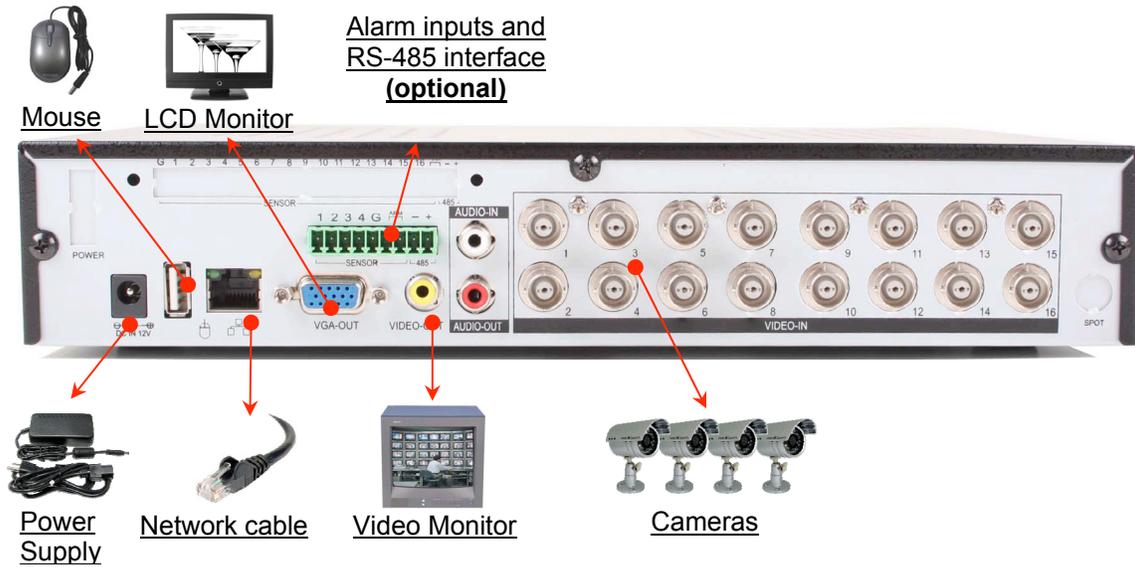
4- Channel BNC-Video-Stream Server



8-- Channel BNC-Video Stream Server



16-Channel BNC- Video Stream Server



2.2.2. Connection descriptions

Camera connection

Depending on the model, 4 or 8 video inputs are available. Connect the camera via a BNC cable to the video inputs of the Video-Streamserver.

Monitor connection

Connect the video output "VIDEO OUT" of the video stream server via a BNC / Chinch plug to the video input of a video monitor.

Network connectivity

Connect the network port "E" of the Video-Streamserver with a network cable to a Switch or router of your LAN network to control the Video Stream-Server with a PC.

USB Mouse connection

Connect the USB Mouse port "E" to the Video Stream Server. This port is enable just for

VGA-Monitor connection

Connect the video output "VGA-OUT" of the Video Streamserver to a VGA-Input of the monitor.

Power Supply connection

Please connect first all the devices before you connect the power supply on „DC-IN 12V" of the Video- Streamserver.

Chapter

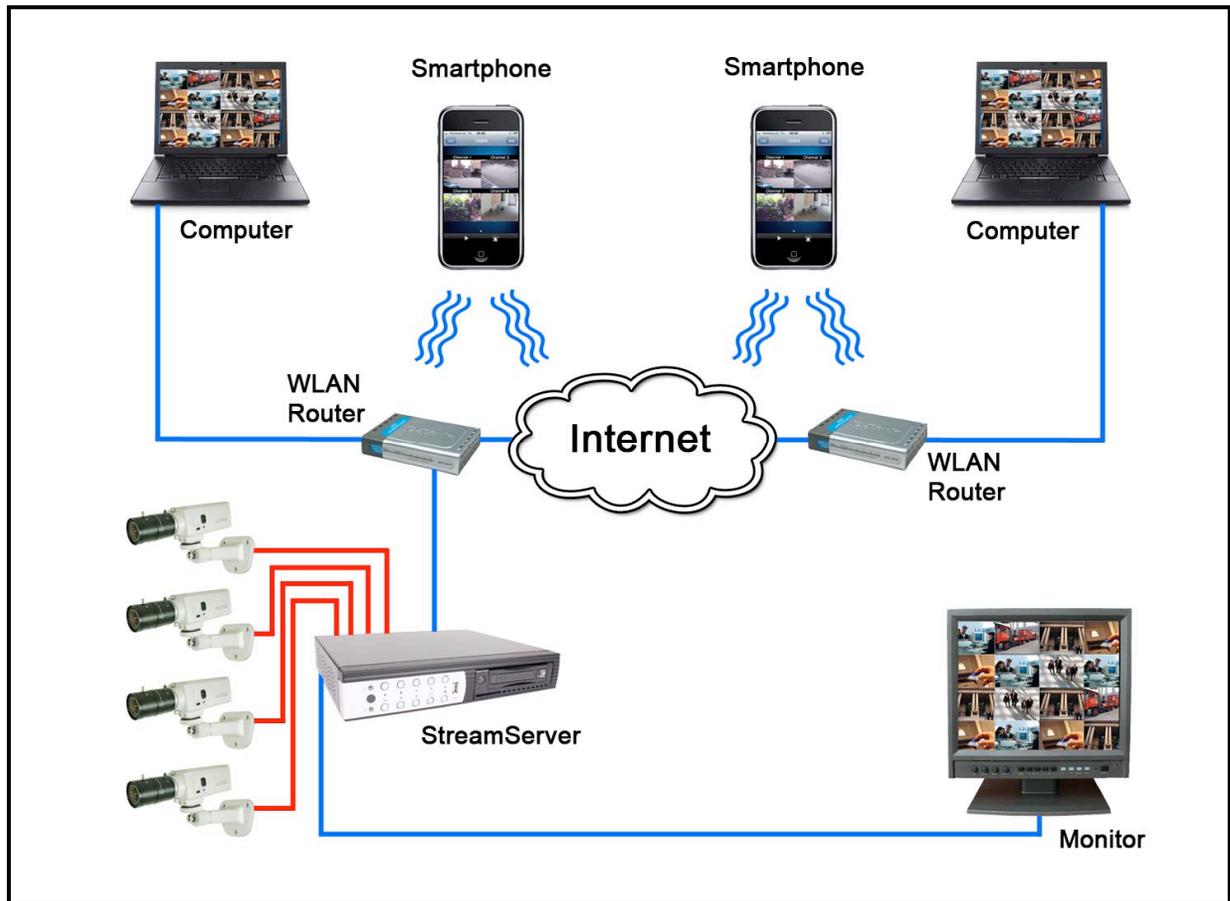
3a

Getting Started of the Video-Streamserver

3.a.1 Function description

If the computer is connected to the network, then the achieved by access is using the browser (Mozilla Firefox). The video sequence of the camera you selected will be displayed in a separate window.

Thereby it is possible to embed the video stream to other software (However the compatibility has to be tested due to the variety of the software options).



3.a.2 Configuration of Video-Streamserver

After all the components of the video system have been installed, turn on the device. The unit takes a few seconds to check all internal components. Then the device is in live mode.

Release Date: May 25 2010 17:33:16

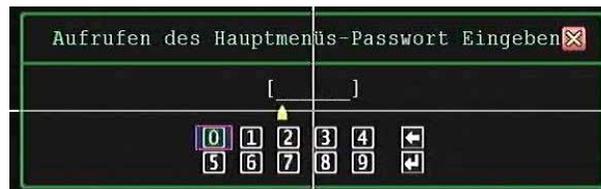
Video: PAL

3.a.3 Main menu

The first setting

Confirm the Button  or the Button and enter the password to access the menu.

The administrator password is by default (DVR-function) : 123456



Confirm with the Button , to leave the password menu.

Advice

By default, the Video-Streamserver the users are disabled, this means no password is needed to open the menu.

The Video-streamserver only works if the user settings are disabled in all users.

Main menu



Icon	Name	Function
	Power Supply	To restart or shut down the Video Stream Server
	Channel Setup	This made the settings on the channels: video quality, color, channel name.
	Record Setup	settings of the recording schedule, video performance and video quality.
	Authentication Setup	Set up of access rights of user
	System Setup	Settings of Language, time / date, sequence, key sounds and other system-relevant functions.
	Hardware Setup	Settings of networking functions.
	Utility/Tools	Firmware Update, die USB Formatting, Export of events and loading system settings via USB.
	Exit	Exit of main menu

Click of the Button  Menu opens to start settings.

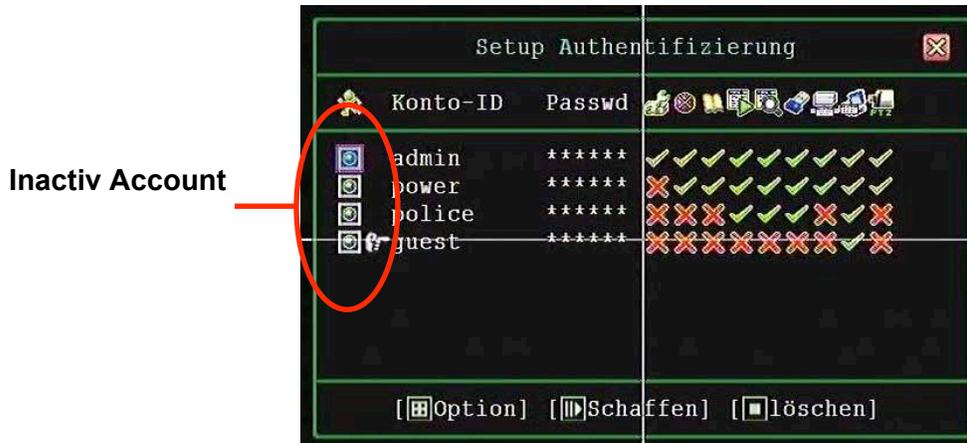
Click of the Button  Menu will be closed.

Indication

To the stream server up and running, select the menu "Hardware Settings" and then in the menu "Network Settings" to adjust the device to the network, in which it has to be integrated.

3.a.4 Setup Authentication

Here is the creation of users, the assignment of user rights and the passwords changes.



: Inactivated Account

: Account ist in use

: Allows access to this feature

: Access denied

: Creates a new user

: Deletes a user

ID Account: Select the name of the account

Password: Choose a 6 characters password

Click on button " Option", to indicate the validity

 : Account is permanently valid

 : Here you can specify an expiration date for the account validity.

Click on button " Option] for the channel release

 (4Ch),  (8 Ch): Select this option to allow the account to access to the video channels.

"       ": Enter special channels free. Activated channels are indicated by green icons. Disabled channels are indicated by white icons.

NOTE

To deactivate all users means allowing all users to do anything without password.

3.a.5 Network connection

Use this menu to adjust the device to the network in which it is to be integrated.



3.a.5.1 Activate Network

[✓Activate]: An access over the network is possible.

[✗Deactivate]: An access over the network is not available

3.a.5.2 IP-Address setting

IP Type

You can select between a static IP and dynamic IP (DHCP).

Static IP: A static IP-Address is an IP address to be permanently assigned by the network administrator.

DHCP: By DHCP is the automatic inclusion of a new recorder to an existing network without the manual configuration. Only the automatic acquisition of the IP address must be set on the DVR normally

PPPoE: PPP over Ethernet (PPPoE) is the use of the network protocol point-to-Point Protocol (PPP) over an Ethernet connection.

GATEWAY: Allows networks based on completely different protocols to communicate with one another. Normally corresponds to the address of the router's gateway IP-Address.

SUBNET MASK: The subnet mask specifies how many IP addresses are included in the computer network . In conjunction with the IP address of a device it determines which IP address is looking for this device in its own network and what it is trying to achieve through routers on other network in conjunction with the IP address of a device it determines which IP addresses looking for this device in its own network and what it is trying to achieve through routers on other networks.

Normally, the address of the subnet mask is 255.255.255.0.

MAC Address: The MAC address is the hardware address of each network adapter that is used to uniquely identify the device on the network.

**Indication**

The DVR is connected to a network without a router. Enter please as a gateway, the IP address of the PC to which the DVR will connect

NOTE

Please contact the network administrator in relation with IP-Address and port forwarding

All settings are automatically saved when you exit the menu.

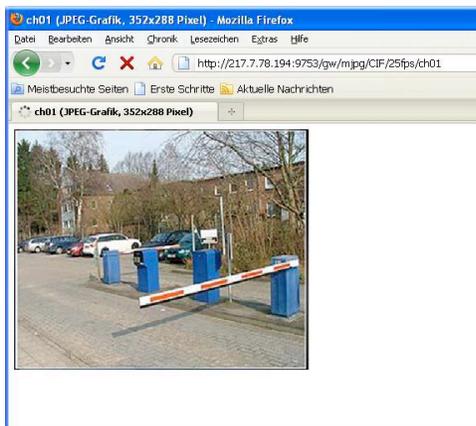
3.a.6 Browser configuration to access via PC

Access via Network

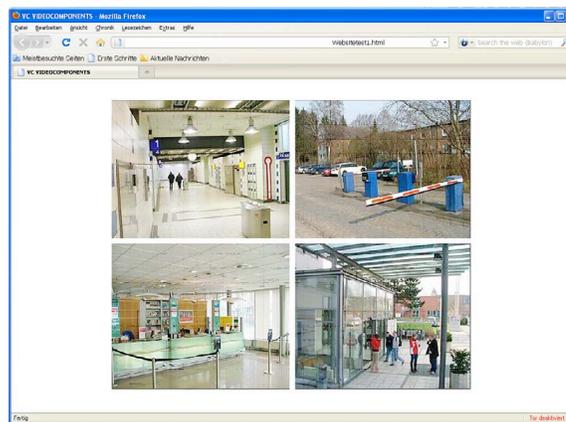
Via Browser:

- Firefox
- Internet Explorer
- Safari

Including live stream on Website or Software.



Access via Firefox



Website

If you choose the access via Browser will be displayed single picture on a monitor screen. For a new picture display you need to open a Browser.

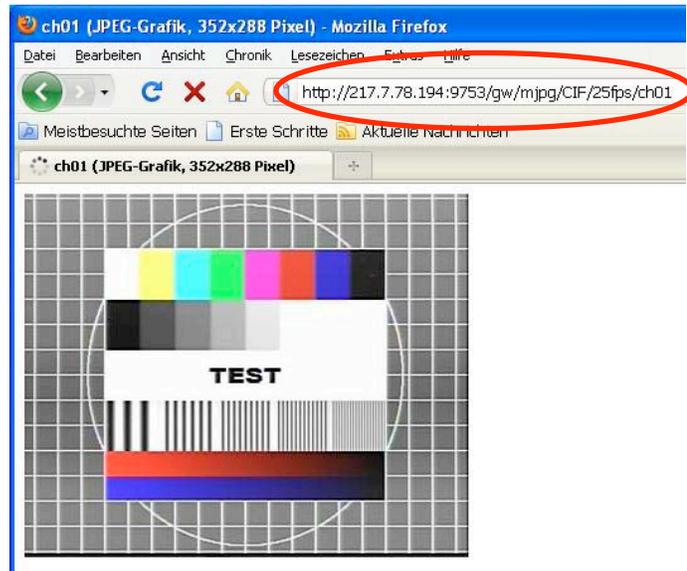
Indication

The enclosed CD is a "Site mask" that can represent either 4, 8 or 16 simultaneous streams.

Access via Mozilla Firefox Browser

To display an image on a PC connected to a LAN or WAN and accessed via browser, it is to be taken into account that certain components and accessories of this, like IP ID Address System, Connection port, Video compression method, resolution, Refresh rate, number of channels etc

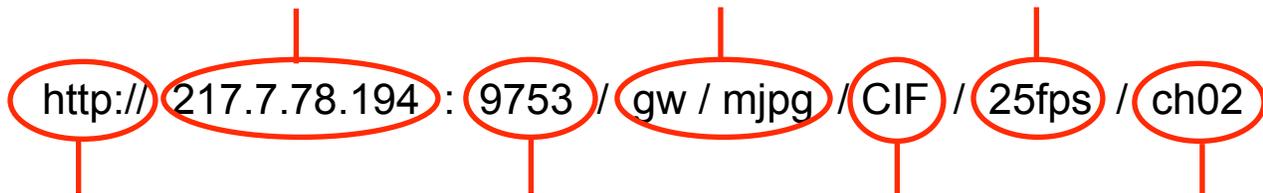
- ..
- 1. IP address of the stream server (Local, external or DynDNS)
- 2. Port (ggf)
- 3. /gw/mjpg/ addition for Stream
- 4. Format (CIF or hD1)
- 5. Refresh rate (1- 25fps)
- 6. Channel number (ch01 - ch16)



IP address of the stream server (local, external or DynDNS)

By streaming this additional information is needed

Number of frames / second (FPS), which should be transferred (1-25 frames per second are possible).



The transfer of data occurs with the protocol "http".ie

Port supplementary, if necessary.

Transmission (digital) resolution. CIF: 352x288, or hD1: 704x288 pixels

Video input from selected Video streamserver.

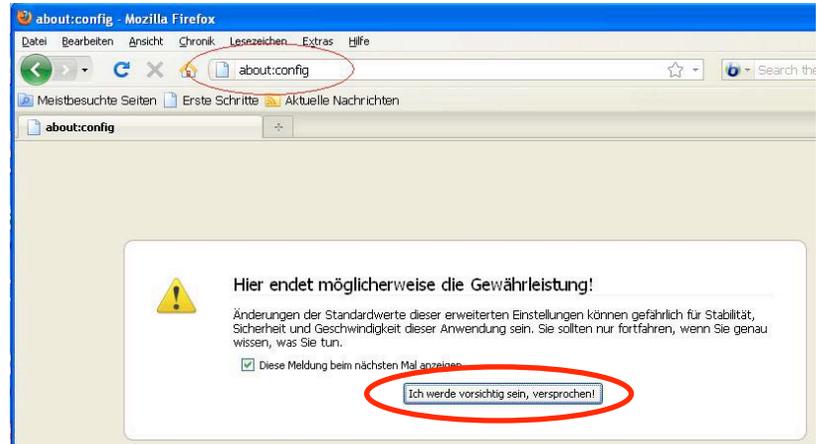
Mozilla Firefox configuration for connection of more than 6 Videostreams

"Mozilla Firefox" allows the access of 6 streaming video signals and displays them simultaneously.

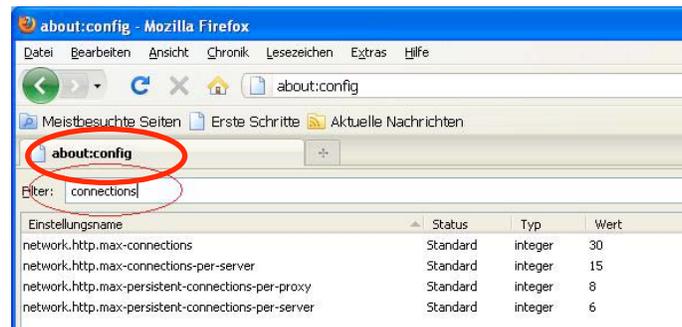
To display more than 6 streaming video signals on a PC (up to 16 is possible), the browser has to be configured as follows.

Enter in the first
Browser address bar
„about:config“

Confirm this request.



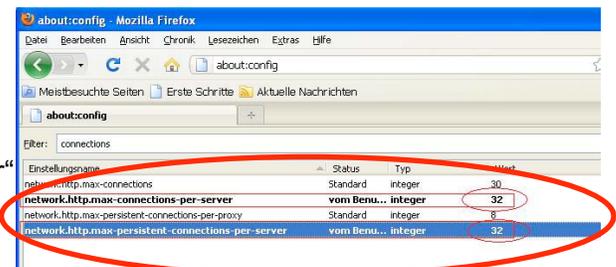
Enter the line "**filter connections**"
The menu gives the information about all
relevant items for the right connection



Enter the value 32 in the lines:

„network.http.max-connections-per-server“ and

„network.http.max-persistent-connections-per-server“



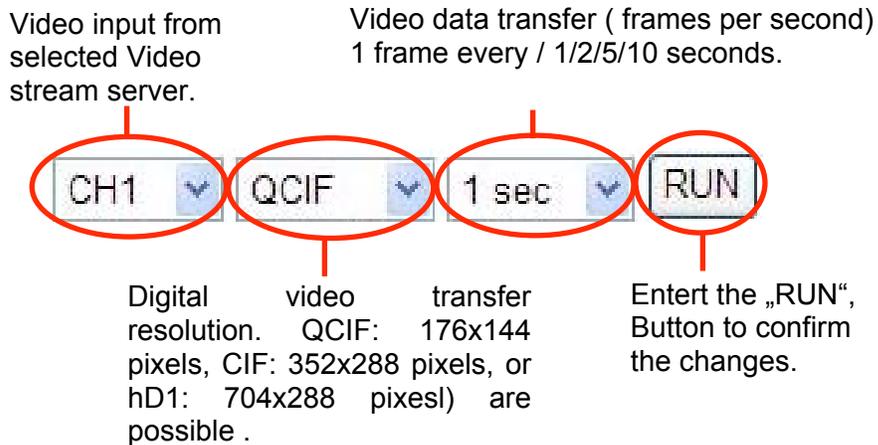
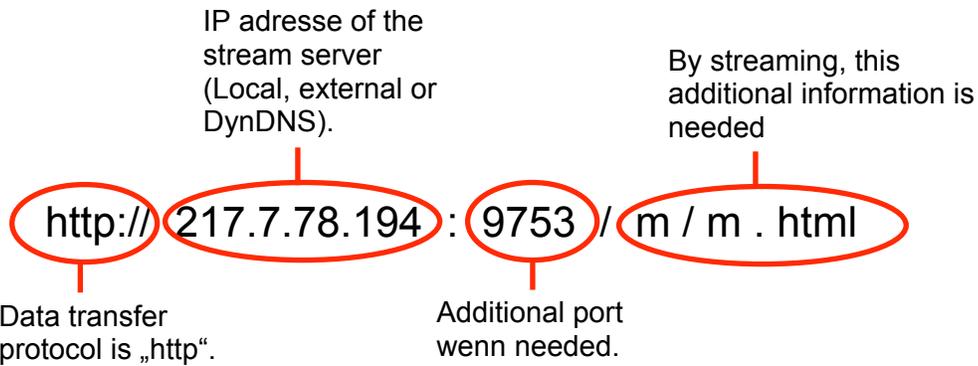
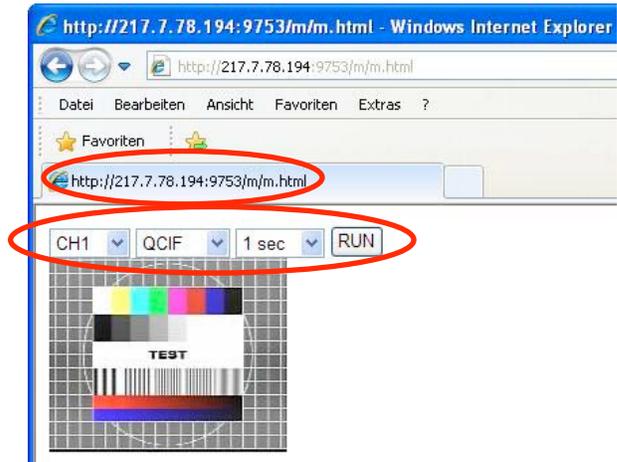
PC Access via Internet Explorer and Safari Browser

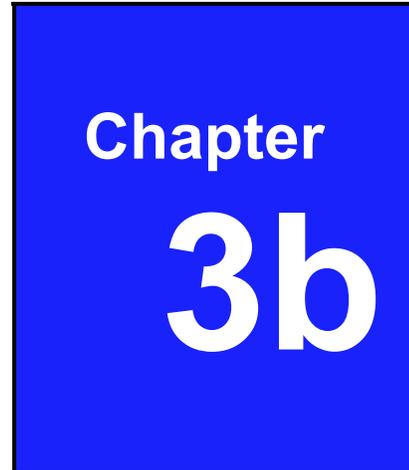
The access to the stream server via an Internet Explorer (even with IE on Windows Mobile) and Safari. **This requires a different address format.**

By adding an address extension behind the IP and the port address Port: /m/m.html, the streaming connection will be achieved.

The following settings can be made on the surface:

- Channel selection.
- Resolution selection: QCIF (176x144 pixels), CIF (352x288 pixels) or HD1 (704x288).
- Refresh rate : 1 frame / 1 second, 1 frame/ 2 seconds, 1 frame / 3 seconds, 1 frame / 5 seconds, 1 frame / 10 seconds.





DVR function Getting Started

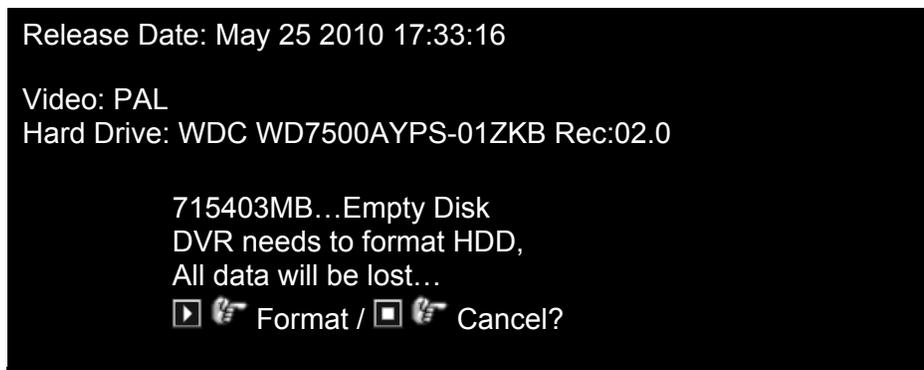
3.b.1 Switch on DVR function

The DVR is ready for operation after all peripherals have been properly installed.

The DVR may take a few seconds to startup by checking all the components. Then, the display live picture mode is setting.

When the hard drive is detected by the system it will ask whether or not you would like to format it. Then, you have to confirm if the DVR has to record on these hard drive.

All existing data will be deleted to start up the formatting process.



Following the successful format the Live View home screen opens.

NOTE :

Do not format the hard drive when the hard drive has been formatted by DVR and not formatted by other devices.

If the hard drive has been used by the DVR, the start screen will typically shown the firmware version installed, the release date of the said firmware, and the video format for the DVR (PAL or NTSC) instead of asking for the HDD to be formatted.

3.b.2 Home screen Live picture mode

The start screen is the starting point for all functions that can be run on the device



3.b.2.1 The state Bar

The state Bar can be found on the top of the screen. It contains 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 is connected		Network disconnected
	Hard drive overwrite enable		Hard drive status
	Channel display rotation enable		
XX%	Percentage of hard drive already used		
2010/06/03	Current date		
15:37:47	Current time		

3.b.2.2 The Control Bar

The Control Bar can be found by panning your mouse towards the bottom part of the screen. It may be used to switch displays, open and setup channels and their related applications.



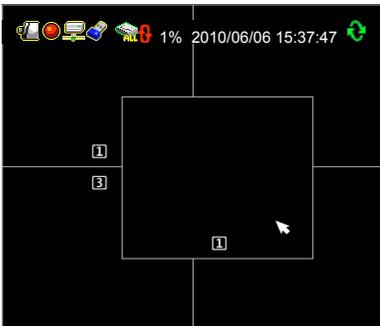
Icon	Function	Icon	Function
Channels Views			
	Load default channel display location		4-channel Split View
	1+7 Split View (for 8 Ch, 16 Ch)		9-channel Split View
	1+12 Split View (for 16 Ch)		1+14 Split View (for 16 Ch)
	16-channel Split View (for 16 Ch)		Sequence View
Main Menu			
	Enter main menu		
Recording			
	Start recording		Stop Aufnahme gestoppt
	Start force recording		Stop force recording
Suche und Wiedergabe von Videodaten			
	Playback menu		Calender menu
	Event search		Pan/Tilt/Zoom control screen
Systeminformation			
	Recording information		Hard drive information
	Network information		

3.b.2.3 Drag and Drop Channel Swap

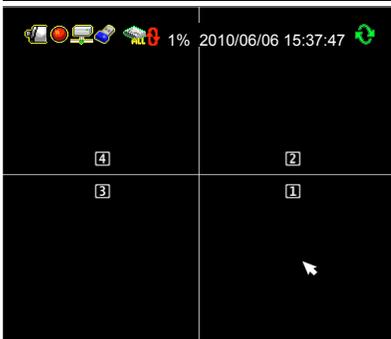
The Drag and Drop Channel Swap enables swap the channel displays using your mouse.



- » Move the cursor onto the channel-square you would like to shift.



- » Press left-button of the mouse (a hand icon will appear) and drag the channel-square to the new position.



- » Release the mouse button to drop the channel-square into new position.
- » System will keep the new channel display arrangement even if you reboot the DVR system.

Original display mode

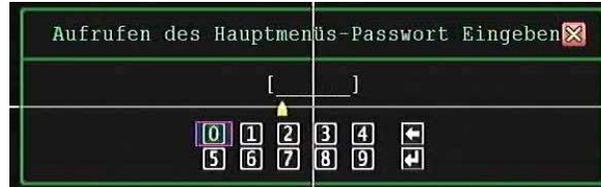
Enter the button , to back to the original display.

3.b.3 Main menu

Logging In for the First Time

Press the  icon or the  icon and enter the password to get into the main menu.

Default password is: 123456



Press the  icon to exit the password dialog.

Main menu



Icon	Name	Function
	DVR Power Supply	Opens menu 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.
	Authentication Setup	Set the login account, password and the authorisation for each user.
	System Setup	Set the status icons display, languages, date/time, rotation time, button beep tone, input, device speed, and other relevant system features.

Icon	Name	Function
	Hardware Setup	Configures error messages checks, hard drive information, owerwrite setting, network settings,and screen settings.
	Zusatzeinstellungen (Utility/Tools)	These are used to format USB devices, to update firmware, to export event logs, and to restore system settings.
	Exit	Exit the main menu.

3.b.4 Channel setup

Click the „channel setup“ on the Main menu. The screen will display the menu in the following illustration.



3.b.4.1 Channel Nummer

The channel Number is used to designate to wich channel or channels the settings will apply.

Press the icon  for 4 Ch , the icon  for 8 Ch and  for 16 Ch. This icon will turn orange and settings will be applied.

Operation icons

Press the  icon to expand the menu and view its contents.

Press the  icon to minimize the menu contents.

Click on the right button of your mouse to go back to the upper menu

3.b.4.2 Basic Settings

3.b.4.2.1 Active Channel

Activate one channel or all of the channels. Active channels are ready for recording and are displayed.

“ON” – Activates selected channel. The channel number icon turns to orange.

“OFF”- Disables selected channel. The channel number icon turns to gray.

3.b.4.2.2 Record Channel

Activate one channel or all of the channels. Activate channels are ready for recording and are displayed on the screen.

“ON” – recording

“ OFF ”- not recording

3.b.4.2.3 Hidden Channel

Set whether or not display one or all channels on screen. The channel will continue to record regardless of 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.

3.b.4.2.4 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 can define the name with button of the front panel or with the remote control.

Press the button “” to confirm.

3.b.4.2.5 Rotation time

Sets the period (with a range of 2 to 30 seconds) of full display for each channel.

3.b.4.3 Standard color adjustment

Adjust the video parameters for each channel or simultaneously for all channels.

- ◆ **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 contrast from 1 to 32.
- ◆ **Saturation:** Default is 16
Press the button “◀ / ▶”, to adjust the contrast from 1 to 32.
- ◆ **Schärfe:** Default is 8
Press the button “◀ / ▶”, to adjust the contrast from 1 to 16.

3.b.5 Record Setup

Click Record Setup on the Main Menu.



3.b.5.1 Auto Record

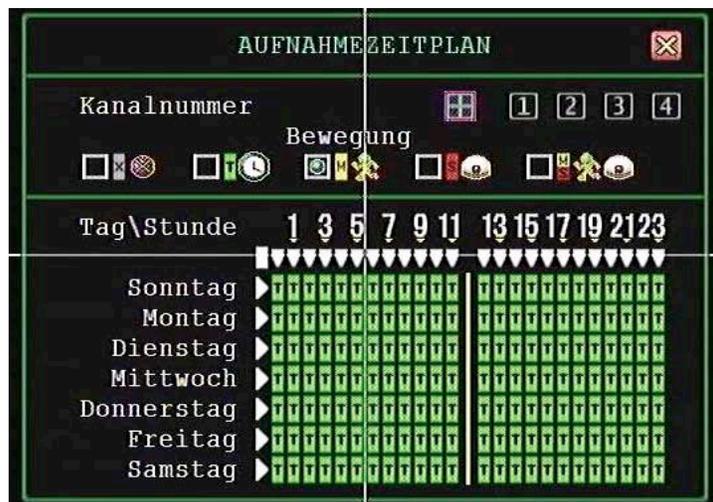
Auto Record is utilized to set the period (OFF, 10 sec, 20 sec, 30 sec, 40 sec, 50 sec or 60 sec) within which the DVR will automatically start recording. Default value is 30 sec. This feature is particularly useful in automatically re-starting your DVR recording in case of an abnormal shut down. These device will not re-start recording when set this function “OFF”.

3.b.5.2 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.

3.b.5.3 Record Schedule

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



3.b.5.3.1 Channel Number

Select the icon  for 4 channels / the icon  for 8 channels to setup for all channels at one time .

Select the icon Sie 1~4 for 4 channels; 1~8 for 8 channels; 1~16 for 16 channels to individually setup of each channel.

3.b.5.3.2 Recording Mode Select

There are five recording modes:



None: Indicates that the channel is set to not recording during this situation



situation

Time: Indicates that the channel is set to continuously record during this



Motion: Indicates that the channel is set to record when the motion – triggered during this situation



Sensor : Indicates that the channel is set to record when the sensor is triggered during this situation



Motion+Sensor : Indicates that the channel is set to detect either triggering events caused by motion or from sensor

With the button “◀/▶(◀/▶)” **yo go to the left or to the right.**

With the button“←” you confirm the Recording Mode.

NOTE

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

NOTE

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

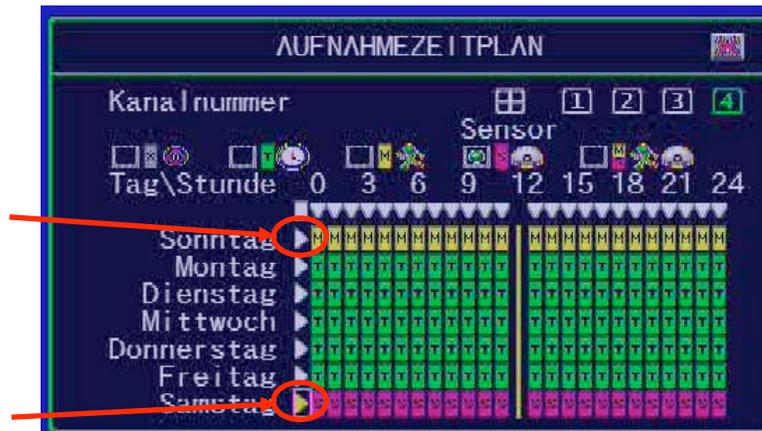
3.b.5.3.3 Schedule

Quick programming

Select the recording mode (Motion) by pressing the Icon  to set the recording mode globally : the whole week (7 days) and whole day (24 hours) are in the same mode. The confirm with the enter button "↵".

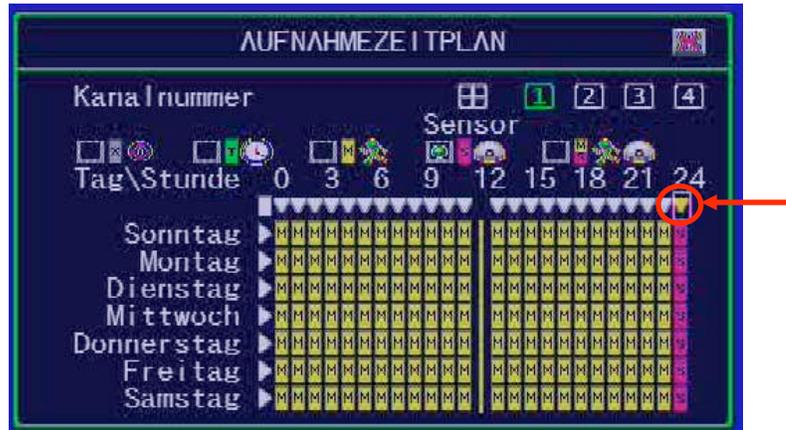


Press the icon "▶" located after the name of each day,, to set every hour of an entire day to operate in the same mode.



Select “▼” to set the same mode for a specified time every day. Confirm with ”↵”

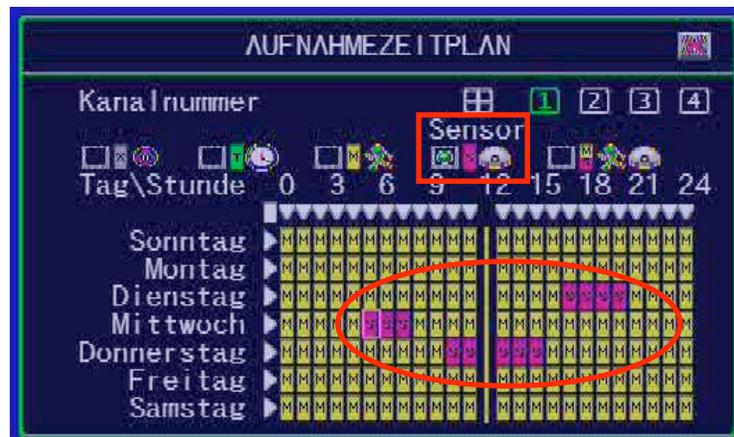
The following example shows that from 23:00 – 24:00) every day there is no recording (set to „NONE“ recording mode) Confirm with ”↵” .



You can also specifically set the recording mode for a particular time and day.

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

Select “Time” recording mode, move the cursor and click the peris of icons”M” change to “T” and press ENTER



3.b.6 Total Power

It shows the number of recording power that has been allocated and the total number of recording power.

NOTE : For PAL the total power for 4 Ch and 8 Ch is 200/200 (Power/sec) and 16 Ch is 400/400 (Power/Sec)

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

Video Resolution, Quality and Frame Rate Setting for each channel

Resolution:

Press the button </> to adjust the resolution from CIF, Half D1 and D1 for individual channel.

Quality:

Press the button “ </>” to adjust the resolution from Lowest, Low, Standard, High and Highest for individual channel.

Frame rate:

Press the button “ </>” to adjust the frame rate from 0 to max value for individual channel. The Video Sreamserver will not be recording if the frame rate value is 0.

3.b.7 Channel Recording Setup

The channel Recording Setup is used to adjust the resolution, quality, frame rate and performance gains of recording.

3.b.7.1 Channel Number

Select the icon “” (for 4 Ch) or “” (for 8 Ch) or “” (for 16 Ch) to setup all channels at one time.

Select the icons 1~4 (for 4 Ch) 1~8 (for 8 Ch) or 1~16 8 for 16 Ch) to individually setup of each channel.

3.b.7.2 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)

3.b.7.3 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 sapce with a larger file size.

3.b.7.4 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 recording.

3.b.7.5 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.

3.b.7.6 Detector Setup

Channel number to choose the channel

Alarm Setup

Light Detect Mode
 Light Detect alarm mode
 Blind Detect Mode
 Video Loss Mode
 Video Loss alarm

3.b.8 Motion Setup

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



NOTE

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.

3.b.8.1 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 Video streamserver setting is in „Time recording“ mode.

✔ **Enable:** Activates motion-triggered detection even when the device is in a different recording mode. When enabled, a blink motion icon will be found alongside the Time Recording mode when motion is detected.

✘ **Disable:** Deactivates motion-triggered detection even when the device is in a different recording mode.

3.b.8.2 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:** The highest sensitivity level

3.b.8.3 Recording Time

Set the recording time when the Motion Mode is triggered.

The recording time is 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 45sec, 60sec, 90sec, 120sec, 150sec und 180sec.

3.b.8.4 Alarm Mode

Select the alarm mode when Motion Mode is triggered.

- “Mute”:** **No beep whatever Motion is detected 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 contact.
- “ Alarm-Long”:** Prolonged sound coming from the alarm contact.

3.b.8.5 Alarm time

The alarm time is the duration of a beep and may be set to “Nonstop” (no stop) , 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 35sec, 40sec, 45sec, 50sec, 55sec, 60sec .

3.b.8.6 Motion Detection triggering Full Screen display

Trigger Full Screen is the duration of the full-screen display when a channel is triggered. This may be set to a period between 1 to 30 sec.

“ OFF”. It will not display on full screen when the channel has been triggered. Also, the trigger area will turn to a red color.

3.b.8.7 Trigger Type

There are two trigger types: **Initial Trigger** and **Continuous Trigger**:

Initial Trigger: When the channel has been triggered, the triggering event will be displayed on full screen for the duration of a period set in **Trigger Full Screen**. During that period, this channel will ignore any triggering events.

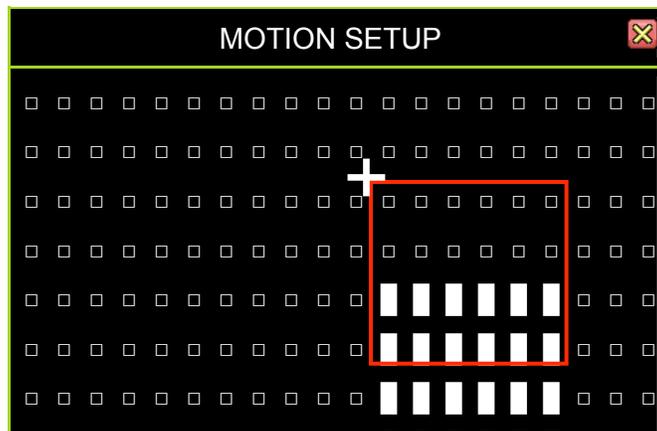
Continuous Trigger: When channel has been triggered, the triggering event will be displayed on full screen for the duration of a period set in **Trigger Full Screen**. The channel is, however, still actively monitoring during that period. Should there be a new triggering event, this channel will display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

3.b.8.8 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. Use the mouse or the ▲(↑), ▼(↓), ◀(←), ▶(→) buttons to move the area.

After positioning press , “” or click right button of the mouse to save it.



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

3.b.9 Authentication Setup

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



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

Account ID: Enter characters as the account ID
Password: By entering six (6) characters or numbers as password.
 Password.

Click “[+ Option]”, for expire date setup

- : No expiration date
- : Set the expiration date.

Click “[+ Option] for channel monitoring setup

(4Kanal), (8Kanal), (16 channels)

Enables the account to monitor the specific channels. The icon turns green when enabled.

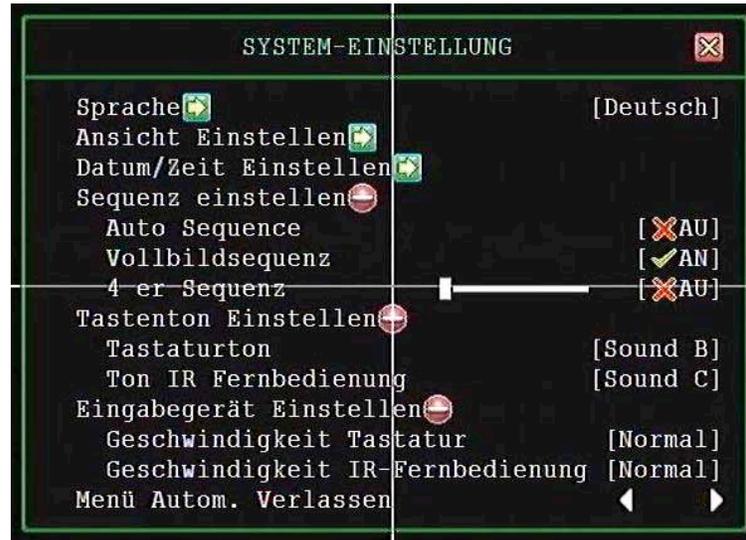
“ ...16”

Disabled accounts are indicated by white icons

NOTE Disabling all accounts means that access is available to all users without password.

3.b.10 System Setup

Click on the System Setup  or „System Setup“  on the Main Menu.

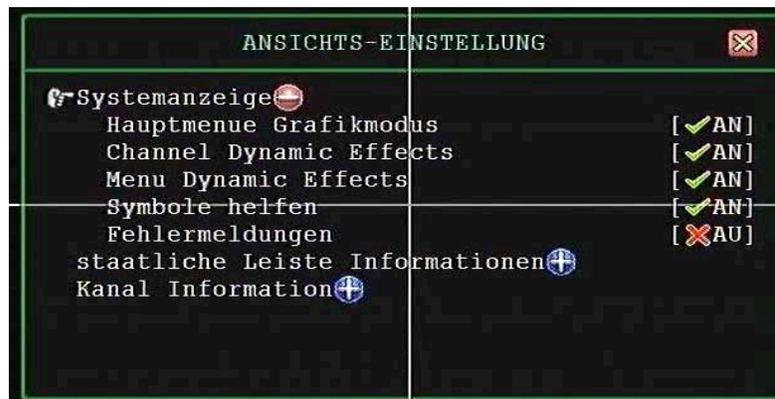


Language Selection

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

View Setup

View Setup is for choosing whether to display certain illustrations and information or not.



Main Menu Graphics Mode

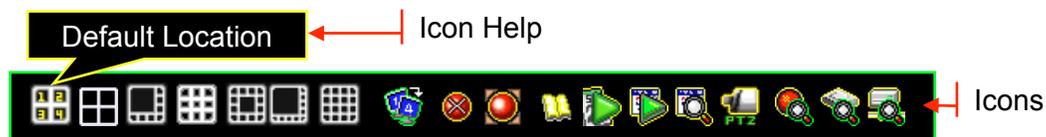
Sets the main menu displayed by graphic icons or text mode

Channel Dynamic Effect

Enables or disables the channel moving effects during channel dynamic drag and drop

Icon Help

Enable or disables the help icon text description to appear when the mouse hovers over the icons.



Error Message

Enable or disables system to show the log when an error occurs.

State Bar Information

Determines how system status information is set and shown.

Channel Information

Enable or disable the channel information icons is set and shown on the home screen.

- 1
2
3
4 (4Ch)
 5
6
7
8 (8Ch): The Channel Number Icon
-  : Recording Light
-  : Video Loss (Flashing)
- 

 : Record Mode (Not Flashing)
- 

 : Detection Mode (Flashing)

Date/Time Setup

Date/Time Setup 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 und MM/DD/YYYY.

Time Set

„Time Set“ is for adjusting the date and time.

▲ / ▼ (↑ / ↓): Up/Down-Change the number

◀ / ▶ (◀ / ▶): Move left/right to the character that needs to be changed.

📖 : Exit after confirmed setting.

Time Zone

„Time Zone“ is for adjusting time zone and location.

Daylight Saving Time

Activate Daylight Saving

„Activate Daylight Saving“ enables or disables the daylight saving mode.

Time Start

„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 (Network Time Protocol) allows for the synchronisation of the day/time settings with the NTP server through Internet.

Activate Service :

Icon Enable : Enable Synchronisation

Icon : Disable Synchronisation

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.

Sequence Setup

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

Full Screen Sequence

Enables or disables the full screen rotation period.

4 Split Sequence

Enables or disable the 4 split display rotation period.

1+7 Split Sequence

Enables or disable the 7+1 split display rotation period.

9 Split Sequence

Enables or disable the 9 split display rotation period.

1+ 12 Split Sequence

Enables or disable the 1+12 split display rotation period.

1+14 Split Sequence

Enables or disable the 1+14 split display rotation period.

16 Split Sequence

Enables or disable the 16 split display rotation period.

Button Beep Setup

The Button Beep Setup configures the type of beeping sound for the IR remote control . The sound type can be either: Mute/TypeA/TypeB or TypeC.

Input Device Setup

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

- ✓ **Mouse Moving Speed:** Slow, Normal, Fast

- ✓ **Mouse Repeat Speed:** OFF, Slow, Normal, Fast
Langsam, Normal, Schnell
- ✓ **IR Geschwindigkeit:** OFF, Slow, Normal, Fast

Auto Exit Menu

The Auto exit Menu configures the menu to automatically revert back to the main display screen after a specified period.

The period can be selected between 10, 20, 30, 40, 50 or 60 Seconds.

3.b.11 Hardware Setup



3.b.11.1 Query Error Message

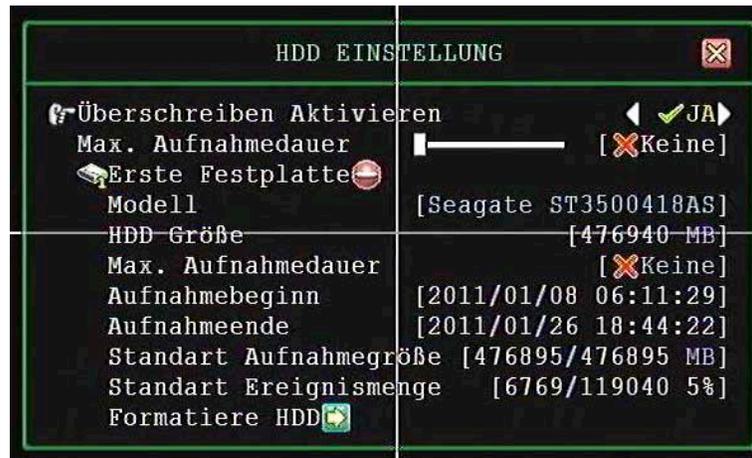
The Query Error Message window shows the all error messages.

: Sort error messages by time of occurrence.

: Clear Message : Clear all error logs.

3.b.11.2 HDD 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 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 limit.

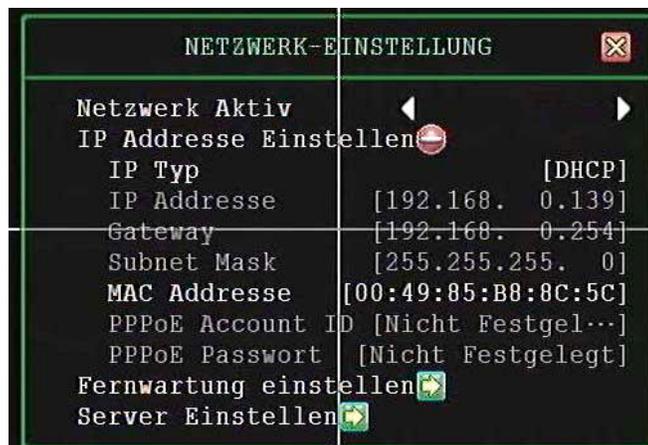
CAUTION : If you decide to move or re-assign your VIDEO STREAM SERVER to a different system with a different ruling on how long you can keep your videos, you have to reformat your hard drive to change the max. recording days.

First HDD

- 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.
- **Aufnahmebeginn:** Der Zeitpunkt, an dem die Aufzeichnungen beginnen.
- **Aufnahmeende:** Der Zeitpunkt, an dem die Aufzeichnungen enden.
- **Standard Aufnahmegröße:** Die erste Zahl zeigt den Anteil an aufgezeichneten Daten an, die zweite Zahl zeigt die Gesamtkapazität an und die Prozentzahl zeigt an, wie viel Kapazität der HDD benutzt ist.
- **Standard Ereignismenge:** Die erste Zahl zeigt die Datenmenge an Ereignisaufzeichnungen an, die zweite Zahl zeigt an, wie viel Kapazität für Ereignisaufzeichnungen zur Verfügung steht.

3.b.11.3 Network connection

Use this menu to adjust the device to the network in which it is to be integrated.



Activate Network

- [✓] **Activ]:** An access over the network is possible.
- [✗] **Unactiv]:** An access over the network is not available

IP-Address Setting

IP Type

You can select the types of static IP and dynamic IP (DHCP).

Static IP: A static IP address is an IP address to be permanently assigned by the network administrator.

DHCP: By DHCP is the automatic inclusion of a new recorder to an existing network without the manual configuration. On the DVR must be set in the normal case, only the automatic acquisition of the IP address.

PPPoE: PPP over Ethernet (PPPoE) is the use of the network protocol point-to-Point Protocol (PPP) over an Ethernet connection.

GATEWAY: allows networks based on completely different protocols to communicate with one another. Normally corresponds to the address of the router's gateway IP address.

SUBNET MASK: The subnet mask specifies how many IP addresses, the computer network includes. In conjunction with the IP address of a device it determines which IP addresses looking for this device in its own network and what it is trying to achieve through routers on other networks. In conjunction with the IP address of a device it determines which IP addresses looking for this device in its own network and what it is trying to achieve through routers on other networks.

Normally, the address of the subnet mask of 255.255.255.0.

MAC Address: The MAC address is the hardware address of each network adapter that is used to uniquely identify the device on the network.



Indication

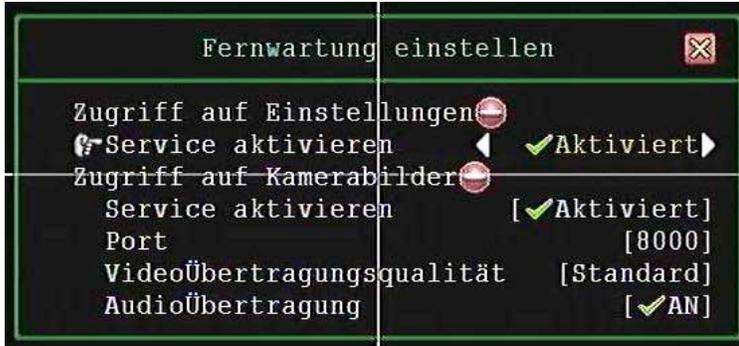
B The DVR is on a network without a router, enter Please as a gateway, the IP address of the PC to which the DVR will connect to

NOTE

Please contact the network administrator in relation with IP address and port forwarding

Management/Monitoring Setup

The Management/Monitoring Setup menu addresses the management and monitoring service for remote control and viewing from the internet (i.e. Internet Explorer) browser and PC Viewer.



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 .
- **Port:** The default port number is „ 8000“ for video and audio transmission.
- **Video Transmission Quality:** Selects the remote video transmission Quality from Lowest, Low, Standard, High, and Highest.

NOTE

You must plan on network structure if the MIS or Network Administrator manages the network. You should consult with the MIS or Network Administrator for the IP address segment and port-forwarding rule for the network setup.

3.b.11.4 Screen Setup

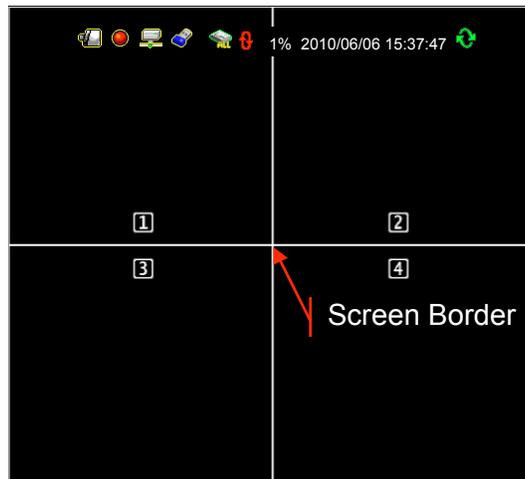
NTSC/PAL Auto Detection

The system will automatically detect the video format (NTSC oder PAL) from the video source, i.e. security cameras.

Video Output Format

The selection of video output format NTSC/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

VGA Resolution

Sets the resolution as : 640x480, 800x600, 1024x768 oder 1280x1024.

Video Adjustment

Adjust the position of main display screen to BNC port (Labeled as „VIDEO-OUT“).
Adjust the image position by using the mouse right-click button to follow the directions
change cursor and / (↑ / ↓)

Press “/ ” :16 default to load the default location.

3.b.12 Utility/Tools

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



3b.12.1 Format USB Disk

The system supports USB pen drives and USB card readers with the FAT 32 device file format. Please format the drive (using the file format function) if it is not in FAT 32 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 on your USB device.

3b.12.2 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

After the USB disk is attached to the port, the message „**Read file Information**“ will appear on the bottom line.

If there is a mistake or missing file on the pen 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.

After reading the firmware “ is displayed. Click the button on begin the upgrade.

When DVR is updating the firmware, it shows „**Firmware is updating, please wait**“

After firmware update is completed, **Firmware update is success. System will restart-----**, is displayed, and then the system restarts.

3b.12.3 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 USB device.

Click , File select to select the file you would like to load.

Click  Load file to load the selected file from USB device. It will show the following message.

Restore Default Setting

Select „YES“ to load the default setting. After which, the system will reboot.

3.b.13 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.

3b.13.1 Exit & Save Changes

All changes are saved before exiting from the menu.

3b.13.2 Exit & Discard Changes

All changes are ignored (The changes will not be saved and will take no effect) before exiting from menu. Confirm with „YES“ or go back to the menu by choosing „No“.

Chapter

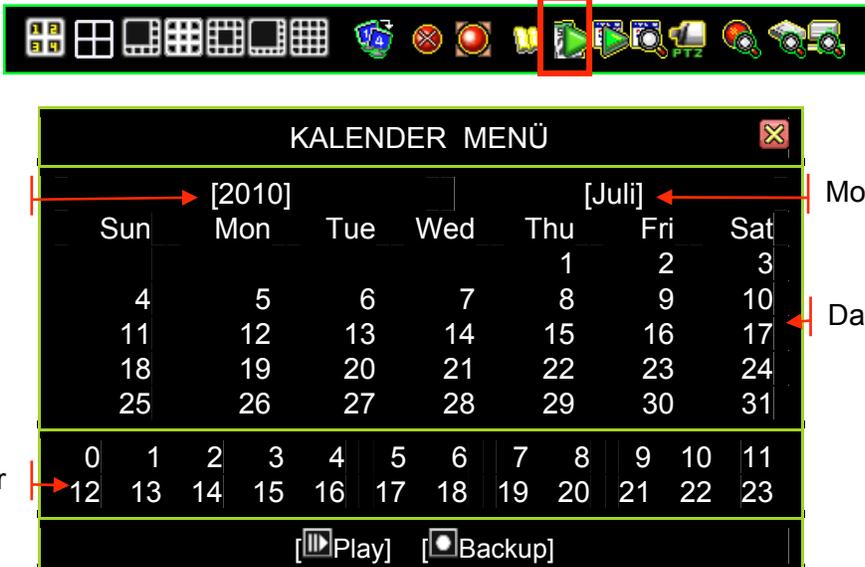
4

Playback and Data Backup

4.1 Calendar Menu

The calendar menu is a play back feture that allows you to acces recerdered video by selecting the date and time when the video was captures.

Press the calendar menu  Icon on the Control Bar to enter the Calendar Menu in the live viewing window .



KALENDER MENÜ

Month Selector: [2010] [Juli]

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Day selector

Time selector

0	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22	23

[Play] [Backup]

Choosing the year of the video to play back

The Year selector will start blinking when your mouse is hovering over it. Click on the year or he arrows beside the year (← or →), to choose.

Choosing the month of video to play back

The month selector will start blinking when your mouse is hovering over it. Click on the month or arrows beside the month (← or →), to choose.

Choosing the day of the video to play back

The dates with recorded videos will be in vivid white color for weekdays, red for Sundays, and cyan for Saturdays on the day selector. A specific day will start blinking when your mouse is hovering over it. Click on the day you would like to review. A circle will appear around the selected number and the number will be enclosed with brackets.

Choosing the time of video to play back

Once you've chosen the date, the hours with recorded videos will be in a vivid green color on the Time selector. A specific time will start blinking when your mouse is hovering over it. Click on the hour you would like to review. A circle will appear around the selected number.

Example of time-search video selection with Calendar Menu



In the example above, the date is July 26, 2010 (Monday) and the time is 17:00. The illustration also shows that recorded video of that day are available from 09:00 to 18:00.

: Starts to play the event that has been selected.

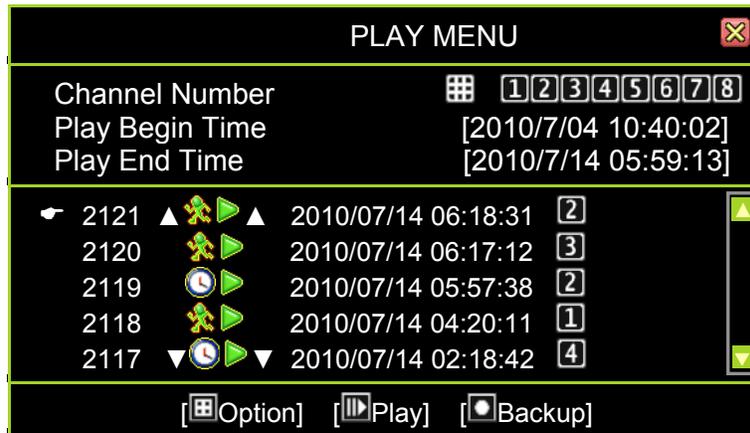
: Creates a backup file for the event that has been selected.

NOTE

Play back and backup for the calendar menu is similar to the operation available in the Play Menu. Please refer to the section on the Video Playback Control Bar..

4.2 Play Menu

Press “▶” (or “⏮▶” button or icon ) , to enter Play Menu in teh live view window.



- Channel number :** Select the channel to playback.
- Play Begin Time:** Specify the beginning of the playback
- Play End Time :** Specify the end time of the playback

Click  **Option** to switching the window as follows:

Click  **Play Start** playing the recorded data. After the data has been played, it will show. After the data has been palyed, it will show“✓”



Backup

To back-up the recorded data. Please refer to the „Backup“ section.

Command and Recorded Data status



- ◆ **Serial Number of recorded Data** : Serial number of recorded data provide by system.

- ◆ **Recording Status:**

◆



Shows the begin or end of recording data in the hard drive.



Shows the recording mode.



: is available.

Data can be played (This icon doesn't show if no video recording

- ◆ **Recording time:** The date/time of recorded data.

- ◆ **Status ✓** : The recorded video data has been played.



Power ON/OFF event occur.

- ◆ **Searching:** The vertical scroll bar for search the recorded data by mouse.

Video Playback Control Bar

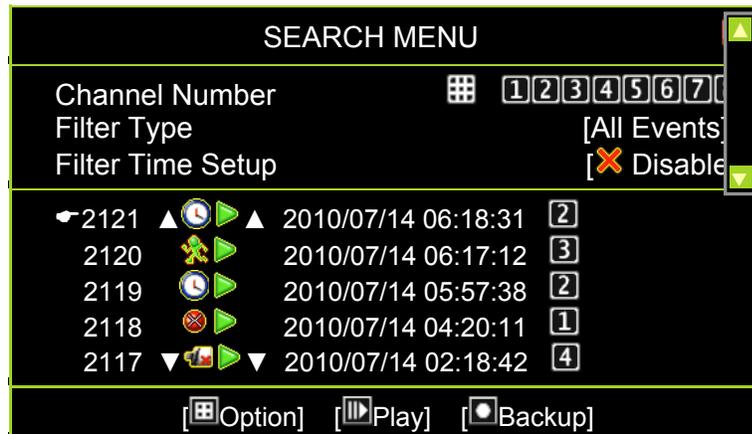
You will see the control bar during video playback



 PIP View	Displays real-time video and playback video simultaneously in PIP (picture in picture) view.
 4 Split View	Displays playback video in 4-split view.
 1+ 7 Split View	Displays playback video in 1+7 split view.
 9 Split View	Displays playback video in 9 split view.
 1+12 Split View	Displays playback video in 1+12-split view.
 1+14 Split View	Displays playback video in 1+14 split view
 16 Split View	Displays playback video in 16 split view
 Previous Segment	Plays the recorder video by one hour.
 Rewind	Plays backwards faster.
 Stop	Stops the video playback.
 Pause	Pauses the video playback
 Play	Starts the video playback .
 Fast Forwards	Plays forward faster.
 Next Segment	Plays forward the recorded video by one hour.
 Calender Menu	Goes back to Calendar Menu.
 Play Menu	Goes back to Play Menu.
 Event search	Goes to search Menu
 Play Bar	Shifts the bar to select the playback time from the recorded video data you would like to view.

4.3 Event Search

Press “▲” or icon  to enter Event Search Menu.



- **Channel Number:** Specifies the channels to search.
- **Filter Type:** Filters events by type „General Event“ „Record Event“ „Hardware Event“ „Warning Event“ and „ All and „All Events“ Event“, “Warning Event” und “All Events”
- **Filter Time Setup:**



- **Active Filter Time:** (Enables)/ (disables) filter time of event.
- **Filter Begin Time:** Specifies the beginning time of event filter.
- **Filter End Time:** Specifies the end time of event filter.
- **Time Reset Range:** Resets the event search time period according to all effective events as recorded.



: **Play** Starts to play the event that has been selected.

: **Backup** Creates a backup file for the event that has been.

: **Option** Switches the top frame of the Search Menu into an event content display. The display depends on the type of event being referenced.



- **Event Type:** Shows the name of the selected event.
- **Triggered Channel:** Shows the triggered channel .
- **Record End Time:** Shows the recording end time.

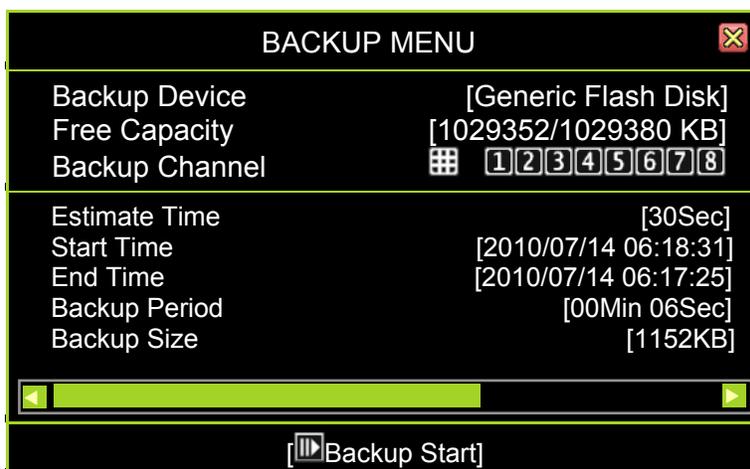
4.4 Back Up

The DVR supports data backup by USB 2.0 device (Support the pen drive and card reader) on the front panel.

Press the “▶” (or “⏮▶”), button to enter the „Play Menu“.



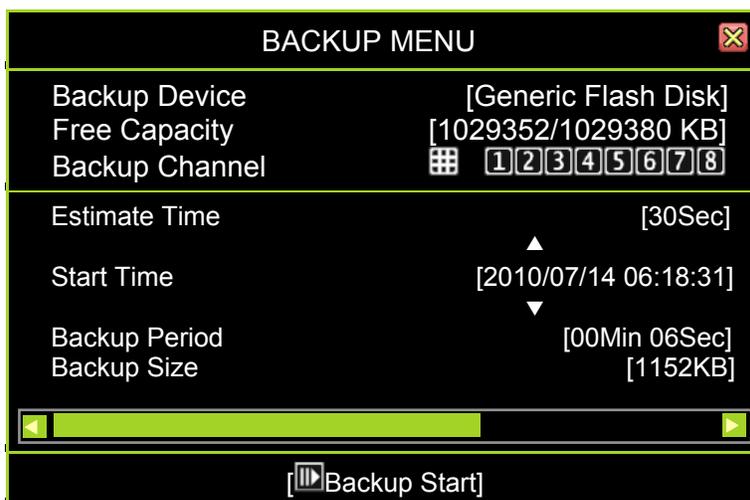
Use the “▲▼(↑/↓)” buttons to select which data to backup. Press [Backup Start], to enter the „Backup Menu“.



Disk information is shown on the top portion of the screen and recorded data information is shown in the bottom portion .

- **Backup Device:** shows the backup device where data will be stored for backup.
- **Free Capacity:** shows the amount of free space on the backup device.
- **Backup channel:** selects single or multi channels you would like to backup.

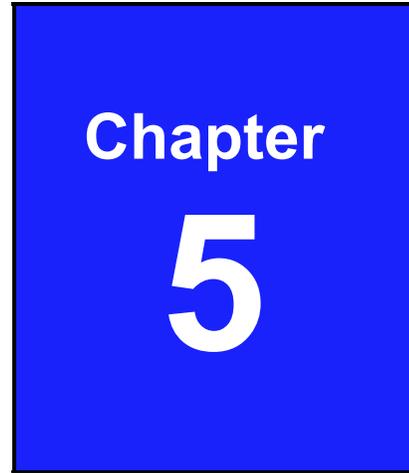
You can change the period of recorded data for backup by setting the „Start Time“ and „End Time“



The „Free Capacity“ . „Estimate Time“ , „Backup Period“ and „Backup size“ will be changed automatically.

The „Start Time“ and „End Time“ of the selected video record data will be shown. Press [Backup Start], it starts to backup data into USB 2.0 device.

There is PVF video file Format “ 2010-08-11_1754.pvf” stored into the USB device. You can playback this video file on the software“ PC Viewer“.



System Information

5.1 Record Information

The „Record Information „ menu displays the current states of the DVR system.

On your Control Bar, locate and click on the  icon.



The record Information will appears as follows:



Record Information Parameters

Record Information Parameters (topmost bar)

 : Channel Number	 : Videooverlust
 : Recording Resolution	 : Recording Mode (Calender)
 : Recording (Time)	 : Buzzer Alarm
 : Latest Recording Frame Rate	 : Externer Alarm

Possible corresponding values for the parameters

 : Channel Number	 : Video Loss
 : CIF Recording Resolution	 : Half D1 Recording Resolution
 : D1 Recording Resolution	 : No Recording
 : Motion Record Mode	 : Time Record Mode.
 : Sensorrecord	 : Sensor-Motionrecord
10: Record Time Count Down	30: Frame Rate in Use
 : Buzzer Alarm Mode	

5.2 Hard Drive Information

The Hard Drive Setup menu displays the hard drive status.

On your Control Bar, locate and click on the icon .

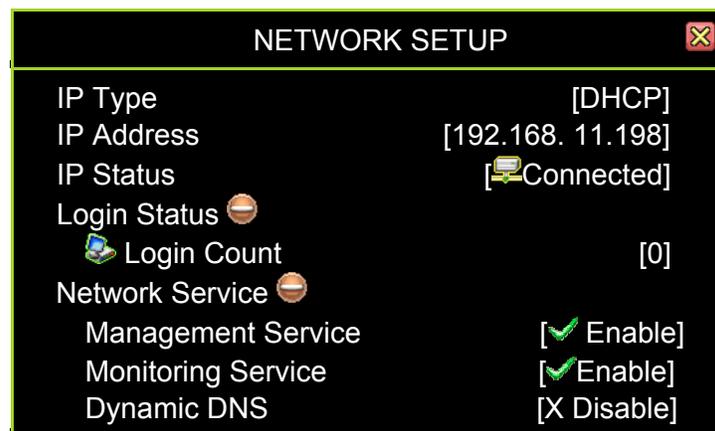


- **Model:** Displays the hard drive model number.
- **HDD Size:** Displays the hard drive size.
- **Record Start Time:** Displays the day and time when the hard drive starts storing recorded data .
- **Record End Time:** Displays the day and time of the last recording on the hard drive.
- **Standard Record Size:** Displays the total hard drive capacity in Megabyte (MB) and the ratio of using space.
- **Standard Number of event:** Displays the number of record events/total capacity of events and the ratio of using space.

5.3 Network Information

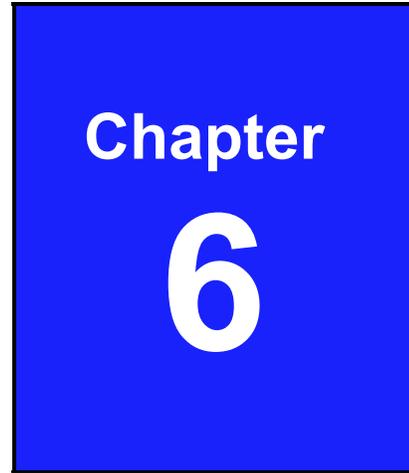
Network Information displays the current state of network connections.

On your Control Bar, locate and click on the  icon.



Network information

- » “IP Type” shows the network connection type.
- » “IP Address” shows the current IP address.
- » “IP Status” shows the network is connected or not connected.
- » “Login Count” shows how many connections from remote site.
- » “Management Service” shows enable or disable the management service for allowing remote control from IE or PC viewer.
- » “Monitoring Service” shows enable or disable the management service for allowing remote viewing from IE or PC Viewer.
- » “Dynamic DNS” shows enable or disable the Dynamic DNS service.



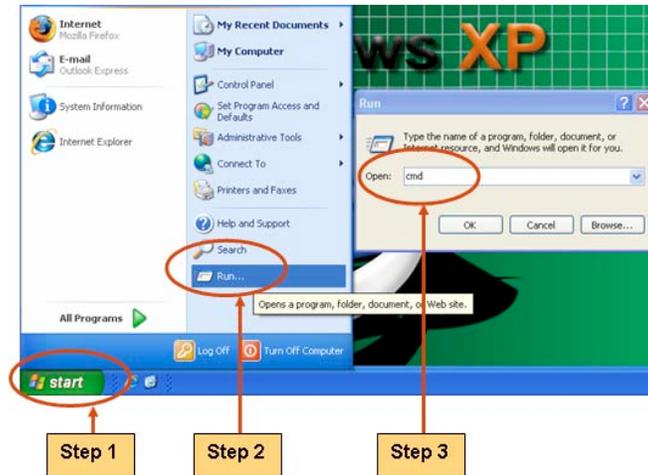
Network Connectivity

6.1 PC Connection through LAN

The following is a general example that shows how to find the basic network information from the local area network (hub) .

Search Router IP Address

Please click “Start” and then “Run” option under Windows.
Please enter “CMD” and then “OK”



Please enter “ipconfig” on DOS prompt, and then record the Adresse Number of Default Gateway as shown: It is the Router’s IP Address.

```
C:\WINDOWS\system32\cmd.exe
C:\>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address . . . . . : 192.168.11.29
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.11.1

C:\>
```

The image shows a Windows command prompt window titled 'C:\WINDOWS\system32\cmd.exe'. The user has entered the command 'ipconfig'. The output shows the IP configuration for the 'Local Area Connection' adapter. The 'Default Gateway' is listed as '192.168.11.1'. Red circles and arrows highlight the 'ipconfig' command and the 'Default Gateway' value.

Find out your DVR IP address

Now you know the IP-Address from your Router: 192.168.11.1.
Generally the isable IP-Address is from 192.168.11.2~192.168.11.253.

Find out the available IP address

Please enter “ping 192.168.11.189” on DOS prompt (as shown in the folowing figure) .

When “Reply from 192.168.11.189: bytes=32 time<10ms TTL=128”, appears, as in the folowing illustration, that means this IP Address .

```
ping 192.168.11.189

C:\WINDOWS\system32\cmd.exe
C:\>ping 192.168.11.189
Pinging 192.168.11.189 with 32 bytes of data:
Reply from 192.168.11.189: bytes=32 time<10ms TTL=128
Ping statistics for 192.168.11.189:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    approximate round trip times in mill-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
```

Reply from 192.168.11.189: bytes=32 time<10ms TTL=128

Please try to find another available IP-Address.

Enter “ping 192.168.11.188”.on DOS prompt.

If “Request timed out” appears, it means this IP-Address is not being used now and can be used .

```
ping 192.168.11.188

C:\WINDOWS\system32\cmd.exe
C:\>ping 192.168.11.188
Pinging 192.168.11.188 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.11.188:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```

Request timed out.

Setup IP Adresse

When you find a usable IP-Address, go back to the menu "Network", to enter IP Address.

- IP ADDRESS: Enter the IP Adresse [192.168.011.188]
- GATEWAY: Enter Router IP Address [192.168.011.001]
- Subnet MASK: 255.255.255.0

NOTE

You must plan on the network structure if the MIS or Network Administrator manage the network.

NOTE

You should consult with the MIS or Network Administrator for the IP address segment and port-forwarding rule DVR network setup.

6.2 DynDNS Service Overview

For the DVR you can only set a static IP address. It does not support the dynamic IP. If you have to prefer to use dynamic IP, then is recommended to use a DYNDNS service.

DYNDNS is a service that maps internet domain names to IP-Address and works with dynamic IP-Address (assigned by ISP server).

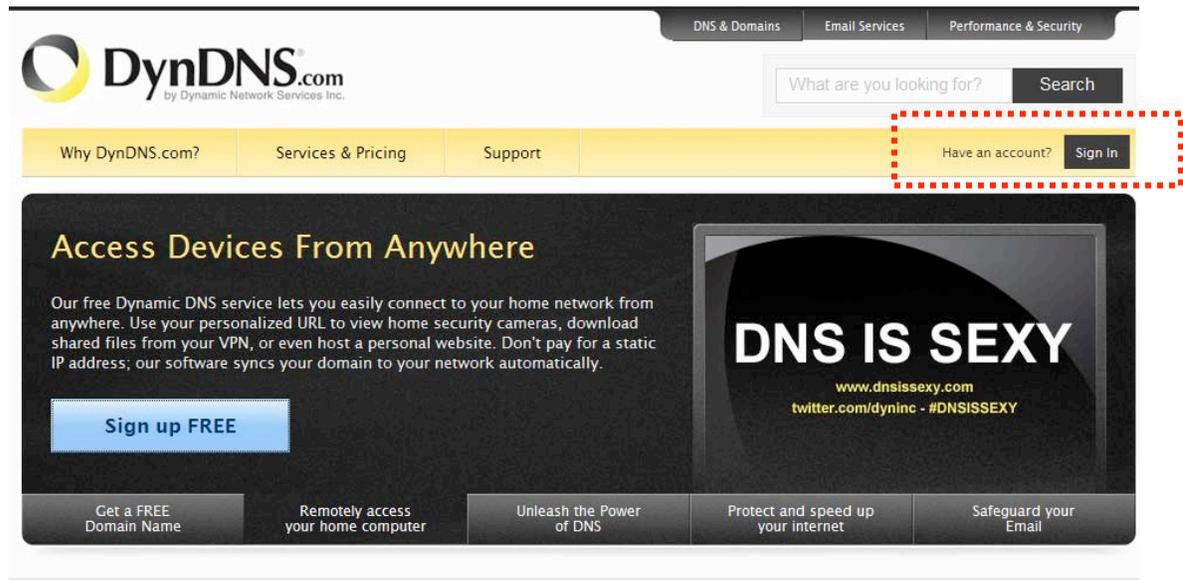
Remark: A router is needed as the interface between PC and DVR when the DVR is under internal network environment.

6.2.1 Register with DynDNS

There are three suggestions for DYNDNS:

www.no-ip.com, [www.change ip.com](http://www.changeip.com) and <http://www.dyndns.com> as example.

If you have no account, create one when you access DynDNS (DYNDNS service) website.



6.2.2 Create DynDNS Account

Click the [Create Account](#), and then start to create your own DynDNS Account and fill out all the blanks for account's application as following:

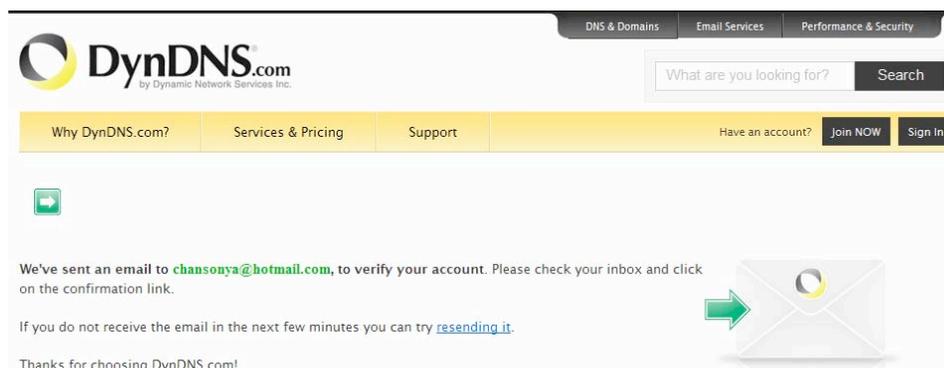
Please refer below for the maximum number of characters acceptable for the DVR:

“Server Name”: Maximum of 24 Zeichen

“Account”: Maximum of 20 Zeichen

“Passwort”: Maximum of 12 Zeichen

After you click "Create Account" it shows the message for verifying the account



DynDNS will create a new account for you and send you an e-mail to the address you provided. It needs to confirm your account within 48 hours after receiving the e-mail or it automatically delete your account.

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:

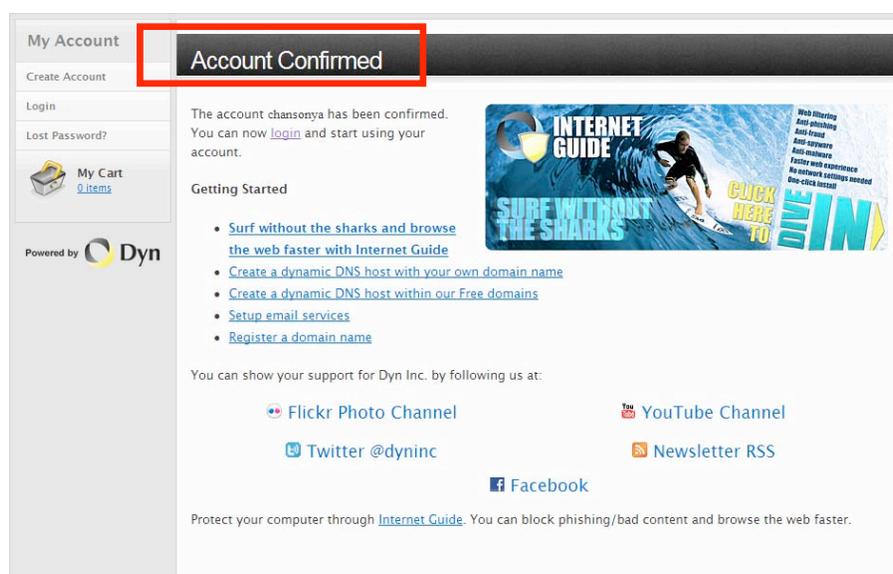
<https://www.dyndns.com/account/confirm/FpCilzZRMo60VWMSx4keXQ>

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.

Just click the first link to confirm the account.



6.2.3 Login and Host Service

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

Then, go to “My Service”, to get a host name.

Double click “Add New Hostname” as following:

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

You do not currently have any zone services.

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

Specify the Hostname for DYNDNS IP which will be applied to the DVR,DYNDNS setting.
We take dvr-host-tw.homelinux.net as an example, and click “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.

Hostname:	<input type="text" value="dvr-host-tw"/> - <input type="text" value="homelinux.net"/>
Wildcard Status:	Disabled [Want Wildcard support?]
Service Type:	<input checked="" type="radio"/> Host with IP address [?] <input type="radio"/> WebHop Redirect [?] <input type="radio"/> Offline Hostname [?]
IP Address:	<input type="text" value="59.124.68.244"/> <small>Your current location's IP address is 220.130.147.146 TTL value is 60 seconds. Edit TTL.</small>

[Add To Cart](#)

The Dynamic DNS Host Service is sufficient and is provided for free. Press “Next”.

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".

<input type="text"/>	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.

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
Add New Host

» Bulk Update IP Address And Service Type

Take note of the User name , Password and Hostname.

6.2.4 Setup Router

Most of settings for them are identical,

- Specify DYNDNS service provider : DnyDNS.org (dynamic)
- Specify DYNDNS IP by DYNDNS Account (user name/ account).
- Specify Video Stream Server as private IP setting.
- Specify one pair of connection port (Control Port / Streaming Port), like "80"

6.2.5 Setup DynDNS Setting on DVR

After completing, the DYNDNS account application, go to the Video Stream Server setup menu and input the DYNDNS information for network connection.

Chapter

7

PC Viewer & Web Browser Viewer

7.1 PC Viewer Installation

PC Viewer will help you to play the video data on the Windows platform computer, please refer to the attached CD, then run „PC Viewer“ to playback the DVR.

Windows OS platform requires that the application be run as the administrator user.

System Requirement:

OS Windows XP (SP2)/VISTA/7

CPU 2.6 Ghz or above

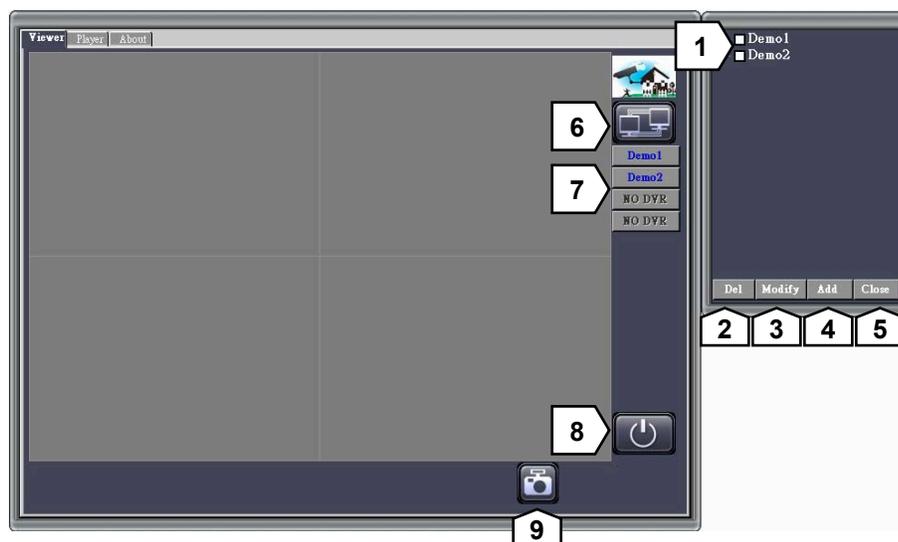
RAM 2 GB or above

ADSL 2M/512 Byte

Note: It is suggested that you install the DirectX software. It provides a smoother display of the PC Viewer video on computer.

7.1.1 Overview

Click on PC desktop icon “ PC Viewer” to execute the PC Viewer at the Windows platform computer. The PC Viewer support remote viewing and control for maximum 4 connections.



Nr.	Function
1	DVR Connection window
2	Delete the connection
3	Modify the connection
4	Add new connection
5	Close the connection window
6	Open the connection window
7	Connection status and switch button
8	Exit the PC viewer
9	Capture the still images

7.1.2 Connection with PC Client

Step 1 Click the button , to open the DVR.

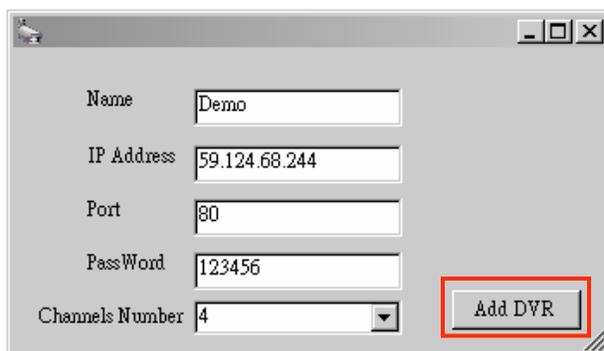
Step 2 Click the button to add, modify, delete the DVR connection or close the DVR connection window.



Step 3 Click the “Add”, to create a DVR connection.



Step 4 Input or modify the name, IP Address, Port No (Default port number is 80 or 8000), Password and number of DVR channels.



Name

IP Address

Port

PassWord

Channels Number

Step 5 The list will show the new connections after setup.



Step 6 Select the DVR you would like to connect, viewing and control from the list of available DVR . A check mark will indicate your choices.



7.1.3 Pause the Viewing

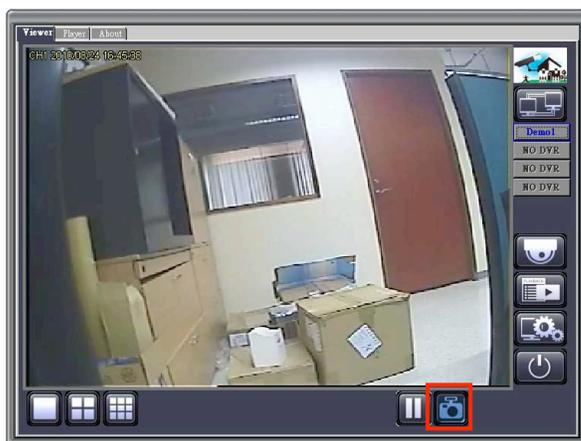
Click on the “” icon to pause the current viewing.



7.1.4 Capture Still Image

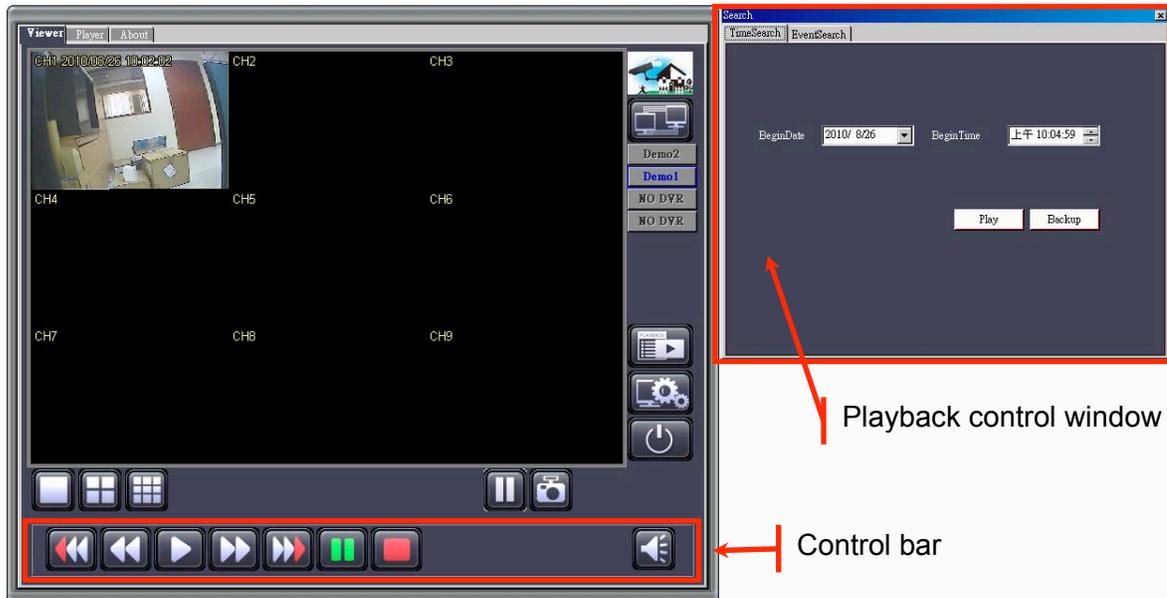
Click on the  icon to capture still image of the view that is currently displayed on the screen. Save the image to specific location in your computer.

For Web Browser Viewer, the still image will be stored ei Betrachtung über den Web Browser Viewer, wird das Bild automatisch im Ordner “C:\Viewer” auf ihrem Computer gespeichert.

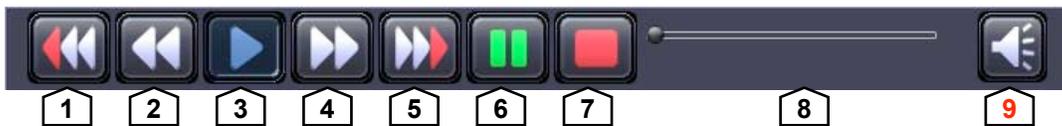


7.1.5 Remote Playback

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



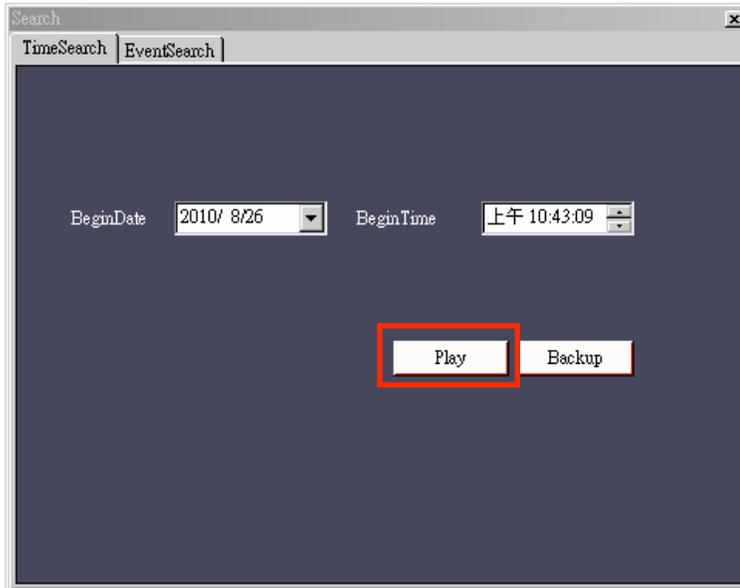
7.1.5.1 Preview of the Control Bar



Nr.	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 1 x	Plays forward faster by 1x the normal speed
5	Fast Forward 2 x	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
9	Volume	

7.1.5.2 Playback by Time Search

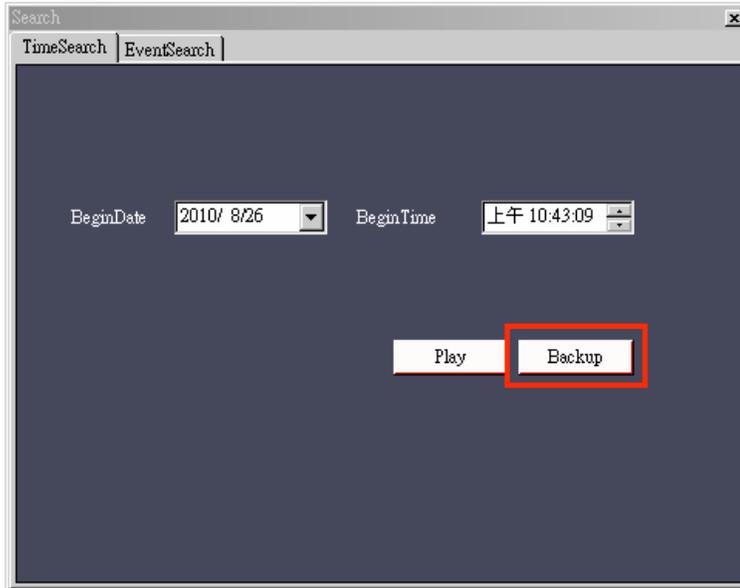
“Time Search” playback mode supports playback by the specific time.



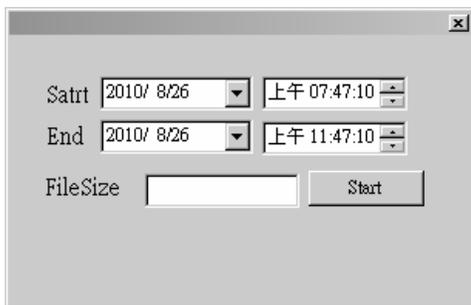
Select the „Begin Date“ and „Begin Time“ then press the button „Play“ to start video playback. You will see the search result table as following figure:



Click on the  icon back to „Time Search“ control window



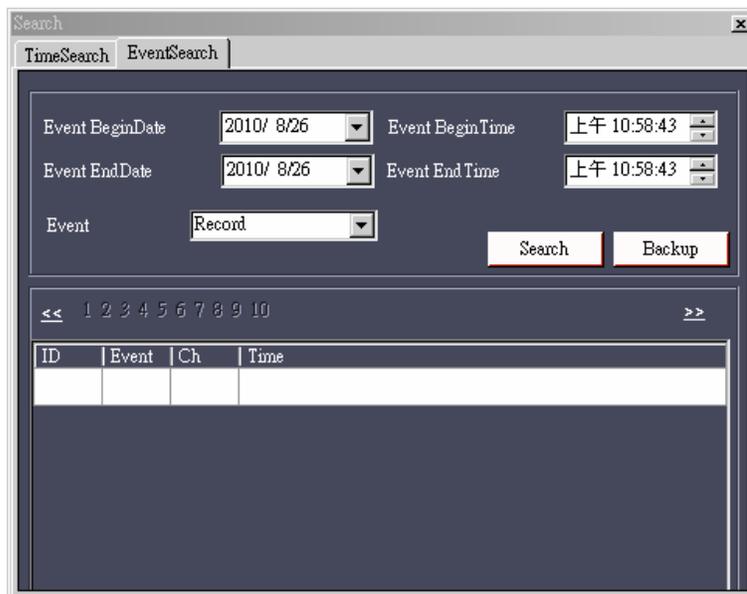
Press the button „Backup“ to start backup the video data.



Select the start date and time and end of date and time , the file size will show on the file size column. Then press „start“ to start backup to a PVF file .

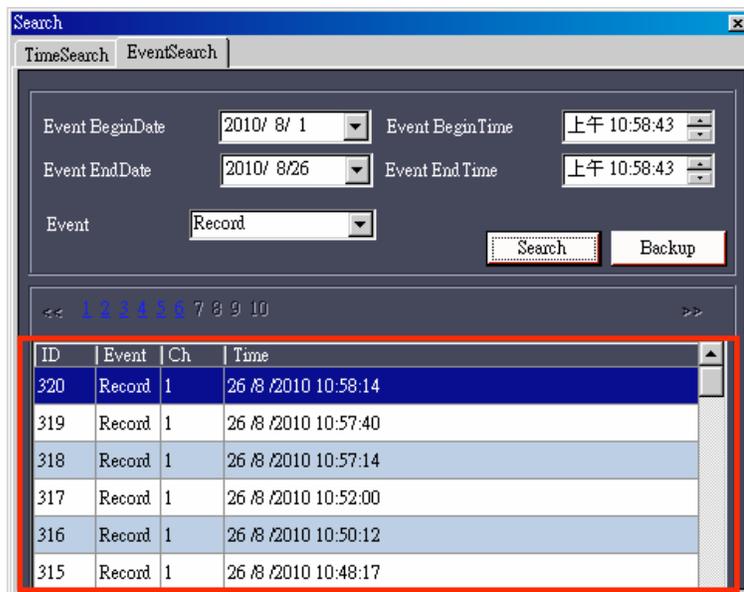
7.1.5.3 Playback by Event Search

“Event Search” playback mode supports playback by the specific event.



Select the „Event Begin Date”, “Event Begin Time”, “Event End Date”, “Event End Time” and “Event (Event Type)”. Then press the button “Search”,

You will see the search result table as following figure:



Playsbacks the event by the mouse double clicks. You will see the video playback as following figure:



Click on the  icon back to „Event search“ control window.

Satrt	2010/ 8/26	上午 07:47:10
End	2010/ 8/26	上午 11:47:10
FileSize	<input type="text"/>	Start

Select the satrt date and time and end of date and time, the file size will show on the file size column. Then press „Start“ to backup to a PVF file.

7.1.6 Remote Configuration

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

Login the Remote Configure 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

7.2 Web Browser Viewer

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 installations). Refer to the following example to enter the Web Browser Viewing. Sie zunächst die dazu nötigen Active-X Steuerelemente. Hier sehen Sie ein Beispiel für die Installation:

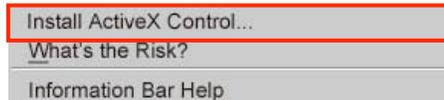
Step 1 Start up IE Explorer and enter the DVR IP Address bar.



Step 2 An alert message occurring „Install ActiveX control „ on the tool bar. (Please refer directly to Step 9 if Active X has already been installed)

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

Step 3 Klicken Sie auf die Meldung „Installieren Sie ActiveX Komponenten“.

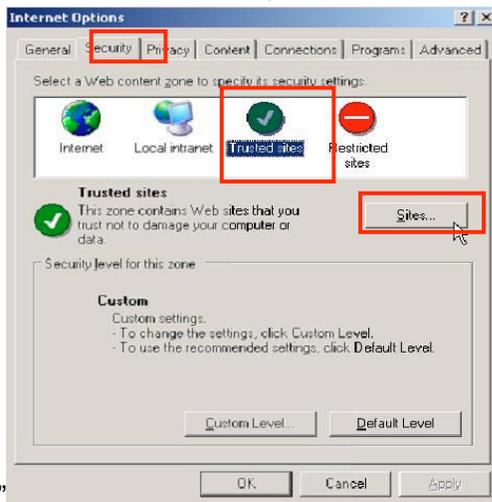


Step 4 If the message „Your Security Settings do not allow web sites to use Active X controls installed in your computer“ pops up when logging in, please follow the following instructions.

Step 5 Select the IE browser „Tools“ on the tool bar and select „Internet Options“

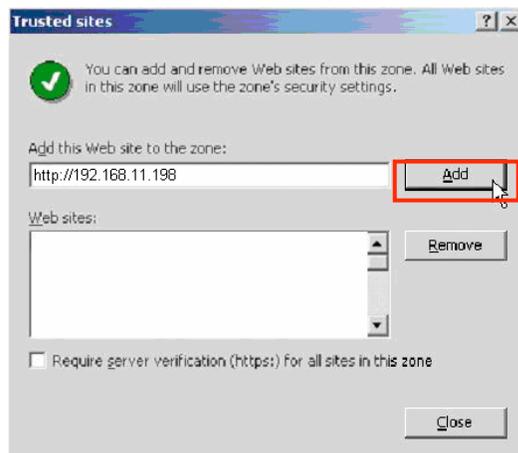


Step 6 Select „Security“ → “Trusted

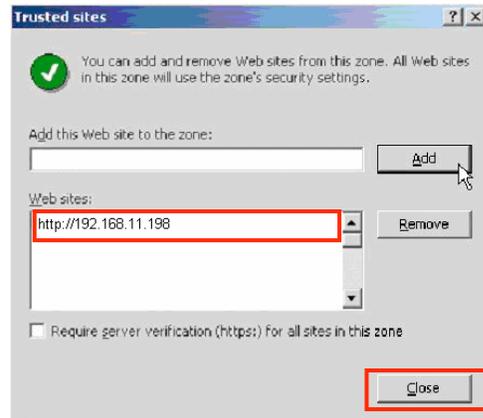


Sites“ → ”

Step 7 Enter the address into the blanks shown in picture, and click „add“.

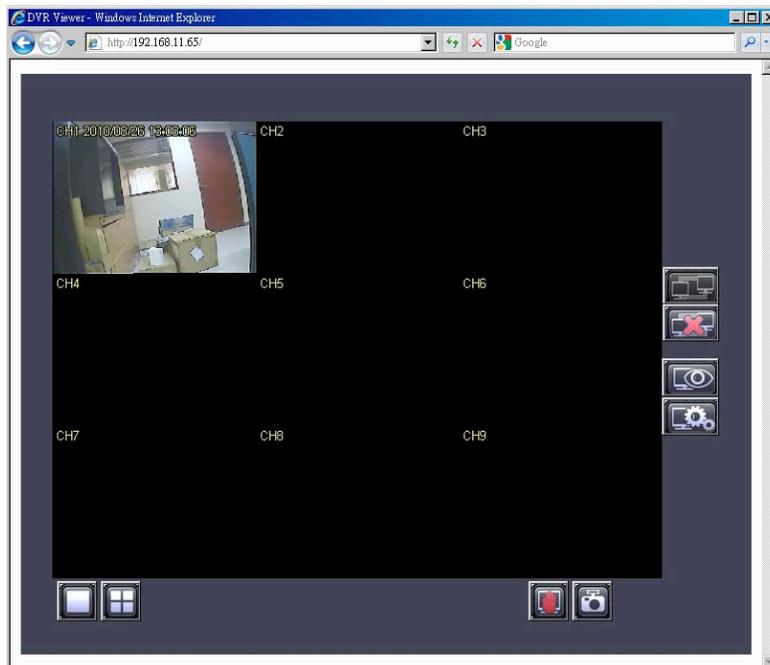


Step 8 The newly added website will appear at the trusted web sites list. Press Close to leave the menu.



Step 9 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 Video Stream Server Authentication settings) . Then press the  icon to connect to the DVR from the remote site.



7.2.1. Switching the Channel Displays

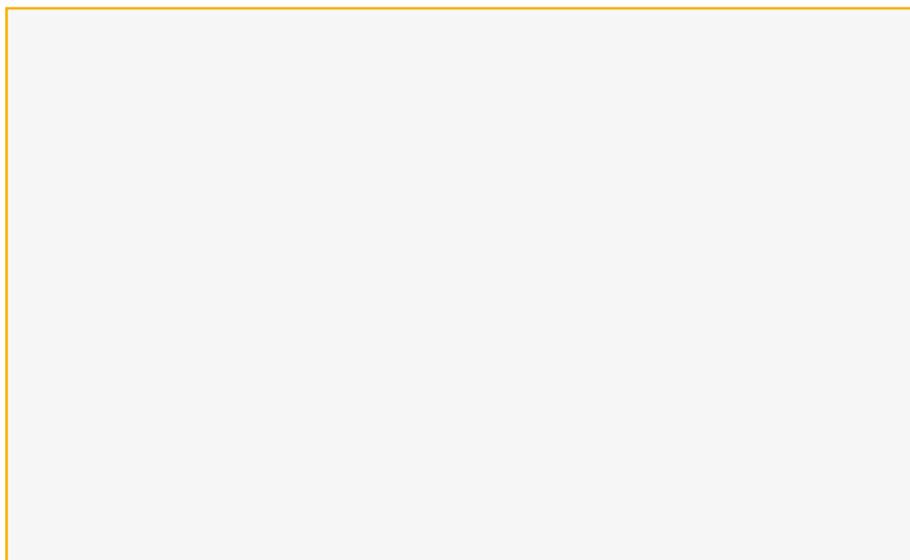
Displays single channel in full view:

Double click the channel to display single channel in full view.

7.2.2 Web Browser Viewer Operation

The Web Browser Interface is consistent with PC Viewer. Please refer to the PC Viewer operation guide.

Your local distributor



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