



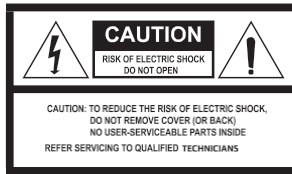
CONCEPTRONIC

8-Channel IP Surveillance Kit User Manual

C8CHIPSKIT



V1.0



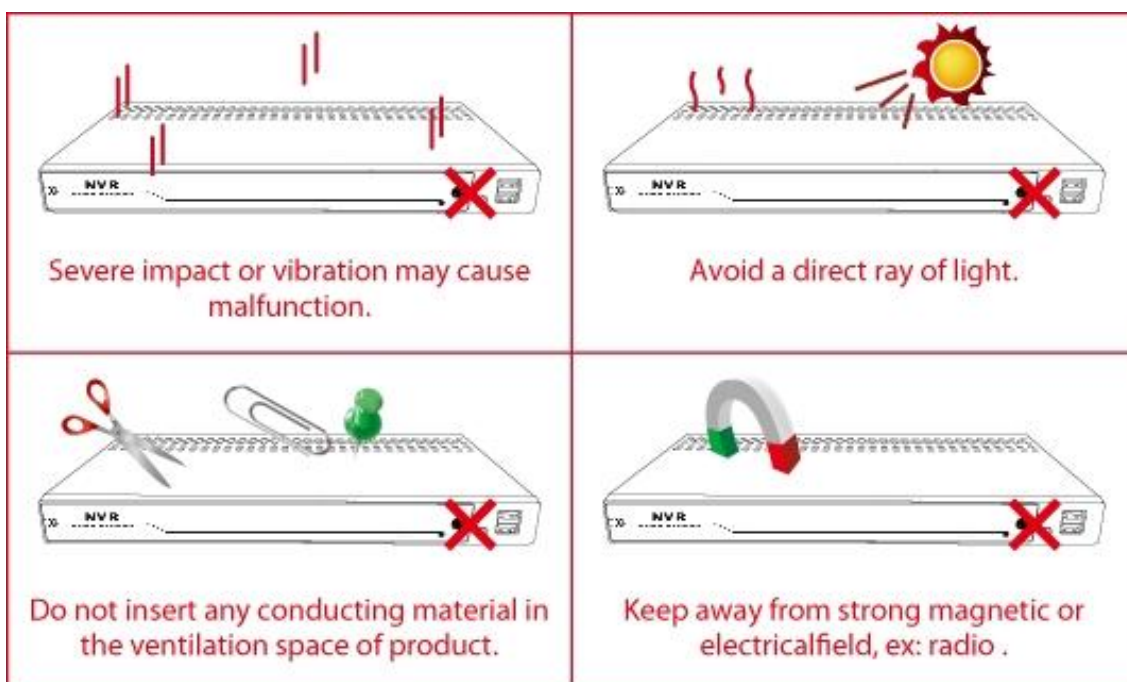
Introduction:

This manual is for the users who attempt to use H.264 Network Video Recorder (NVR). It expresses installation guide, connecting to peripherals, and GUI operations. Please familiarize yourself with the contents in this manual before using the NVR. Make sure that you have referred to an expert when operating the outer case for repair or installing HDD. If you have any inquiries or questions, please consult your local dealer.

Warning:

To prevent fire or electric shock, do not expose this product to rain or moisture. Do not open the cabinet. Refer servicing to qualified personnel only.

	<p>RoHS This directive restricts the use of six hazardous materials in the manufacture of various types of electronic and electrical equipment.</p>
	<p>USA (FCC) This device has been tested and found to comply with the limits of Class. A computing device pursuant to part 15 of the FCC rules.</p>
	<p>Europe (CE) By affixing the CE marking, the manufacturer assures that the item meets all the essential requirements of all applicable EU directives</p>
	<p>Japan (PSE) The purpose of the Electrical Appliance and Material Safety Law is to prevent hazards and disturbances resulting from electrical appliances</p>











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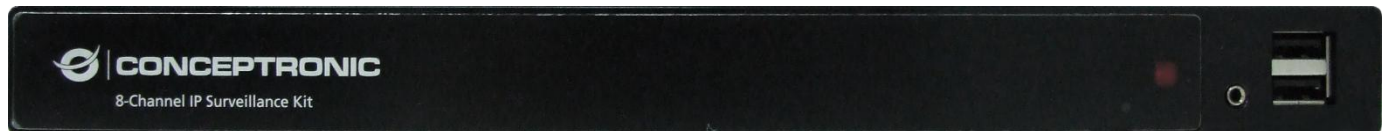
Product Overview

Package contents

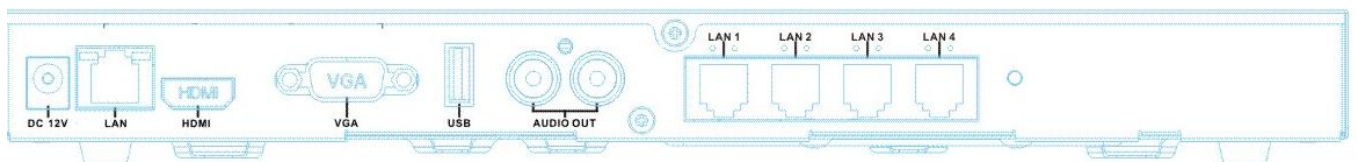
NVR 	Remote control 	USB mouse 	Flex IR extender 
Power adapter 	Screws pack 	Product CD 	Quick Connection Guide 

*The actual items maybe different from the picture shown

Front Panel



Real Panel



1 2 3 4 5 6 7

1. **Power: DC12V**
2. **LAN: RJ-45**
3. **HDMI: Video output**
4. **VGA: Video output**
5. **USB port: For USB mouse control/ USB backup/ Firmware update**
6. **Audio out : RCA x2**
7. **Video in : RJ-45 PoE x 4 (4 channels)**

Note: PoE ports on this device only work with PoE-enabled components.

HDD Installation

HDD new installation

Step 1:

Remove the Screws from the rear panel and side panel of the housing.



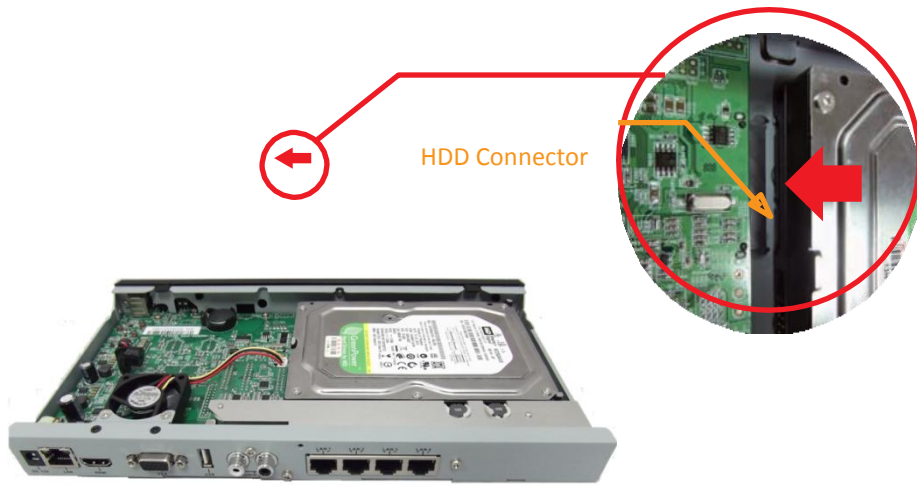
Step2.

Gently slide the cover away from the rear panel and lift it.



Step 3

Carefully place the HDD at the upper right side and slide it to plug into the connector properly.



Step 4

With your hand supporting the HDD and turn the unit upside down and secure the HDD from the bottom of case with 4 screws.



Step 5

Screw the cover back, replacing the screws on the side panel(x4) and rear panel(x1)



Note:

1. The new HDD must be formatted in order to work properly in system. For the detail about the “Format HDD”, please refer to 4.3.5.
2. The HDD will be started in 5~30 seconds after NVR is powered on. If the HDD is not detected, warning will be shown for 3 seconds by a message “HDD is not installed!” with beep every 10 seconds. You can turn off the buzzer or leave live mode to quiet it down.
3. There are three reasons which may cause the above warning message:
 - I. HDD is broken
 - II. HDD is not installed or not installed properly
 - III. The recording model is set as “single-way recording” and HDD is full.
4. If the HDD is not detected and not started within 30 seconds. It will be determined as a failed HDD.

Replacing the Hard drive

Make sure the NVR power is off and power cable has been disconnected before changing the hard drive.

Step 1

Remove the screws from the rear panel and side panels of the housing.



Step 2

Gently slide the cover away from the rear panel and lift off



Step 3

With your hand supporting the HDD when turn unit upside down, remove 4 screws from the bottom of case.



Step4

Gently slide the hard drive from the connector properly.



Step5

Install new HDD.

Step6

Screw the cover back on the side panel (x4) and rear panel (x1).



NOTE:

After replacing the HDD, the new HDD must be formatted in order to work properly in system.

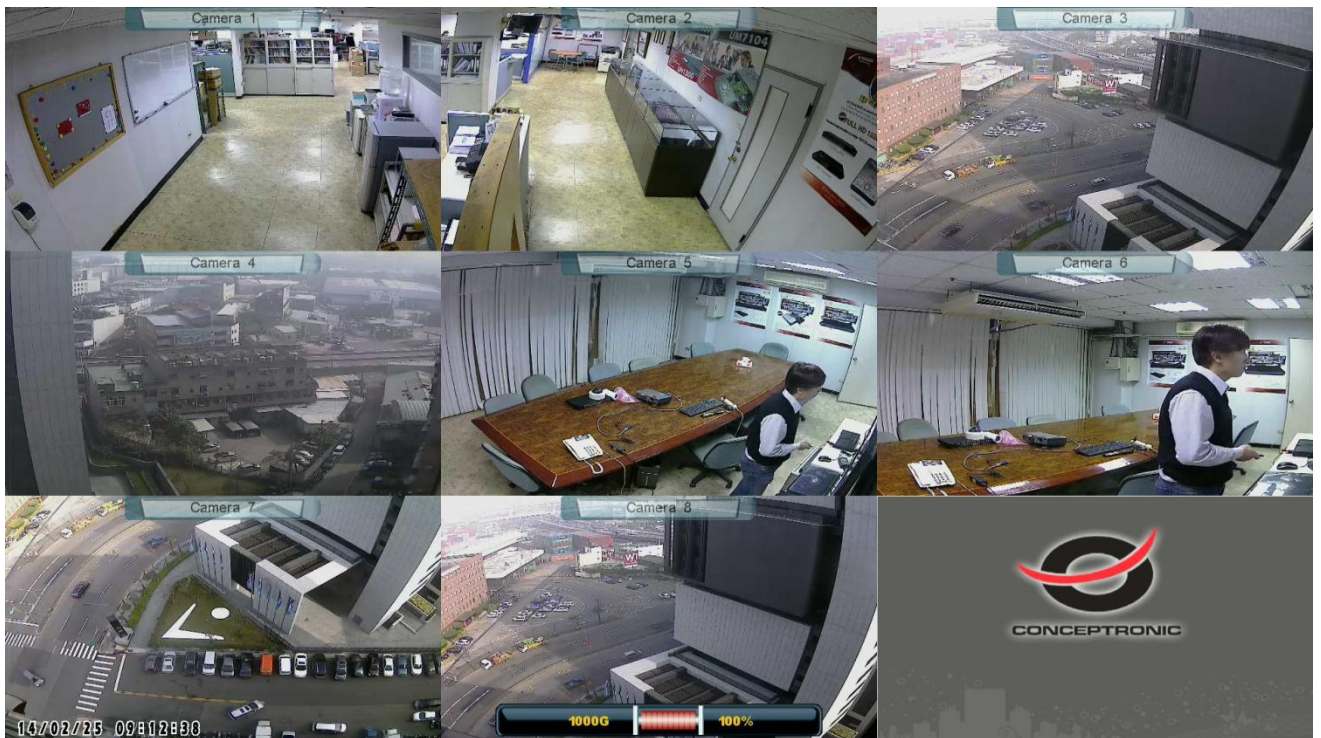
Basic Operations

Display Screen

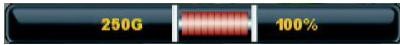
4-Channel



8-Channel



1. **HDD Status:** displays the percentage of recording space consumed on the hard disk and the size of the installed hard drive.













2. **Camera Status:** 4/8 channel: displays channels on the system. The red light will flash to indicate recording is in progress.




3. **Tool Bar:** primary control input for the user interface.



 Split modes	 Main Menu	 Playback/Pause	 Camera	 Event List
 Sequence	 OSD	 Return/Esc	 Screenshot	 PTZ

Display Mode

Left-click on the icon  to open the Split-Screen selector and choose the display mode you want.

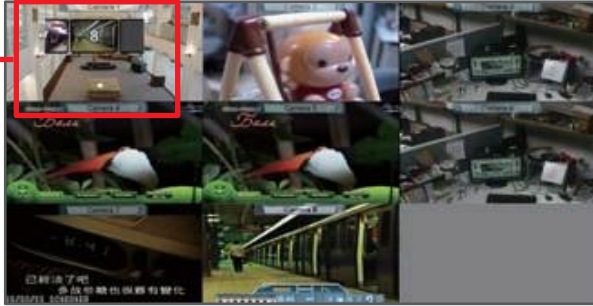


Flexible Camera Assignment

You can re-assign the channels to different camera. For example, you can duplicate the video feed from channel 1 onto channel 2. This is useful if you wish to re-arrange the position of each channel.

For Example:

Re-assigned channel 1 to channel 8.



NOTE: The NVR continues to record the designated channel even if you re-assign camera positions.

To re-assign camera positions:

Step 1

Select the channel you want to re-assign.

Step 2

Click and hold the mouse, a channel menu will appear.




Step 3

While holding left-click, move the mouse to the left or right to change the channel number.

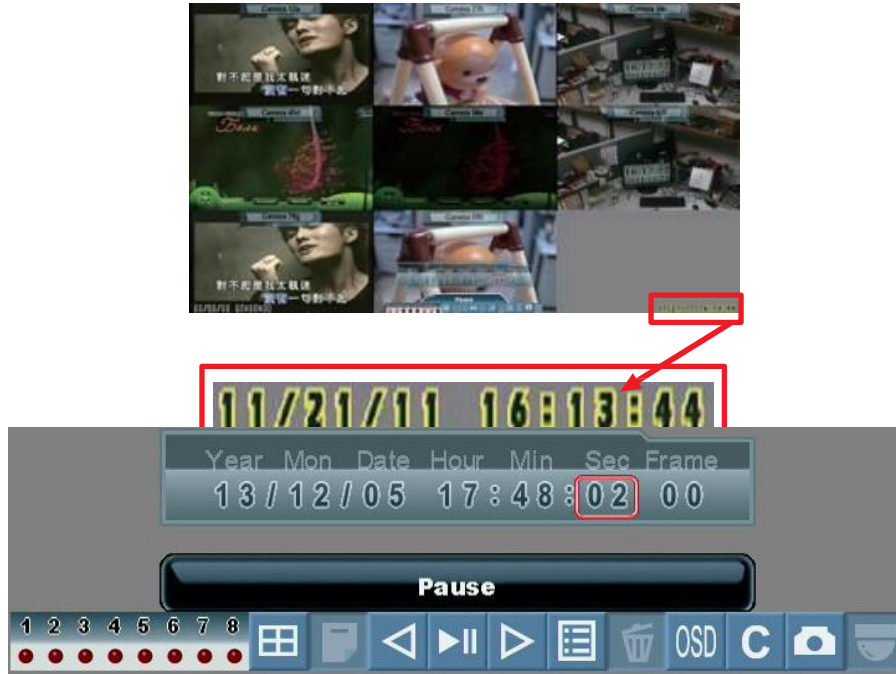
Step 4

Release left-click on the mouse to assign the new channel.



Playback


Click the icon  to enter playback mode. You will see a

The timestamp appears in the bottom-right corner of the screen indicates the playback time.




 Split mode


  Arrow keys: day/time selector

 Playback / Pause

 Event List

 Show / hide OSD

 ESC

 Screenshot

 PTZ

Click the numerals to select date / hour / minute / second or frame and adjust them by rolling up and down the mouse.

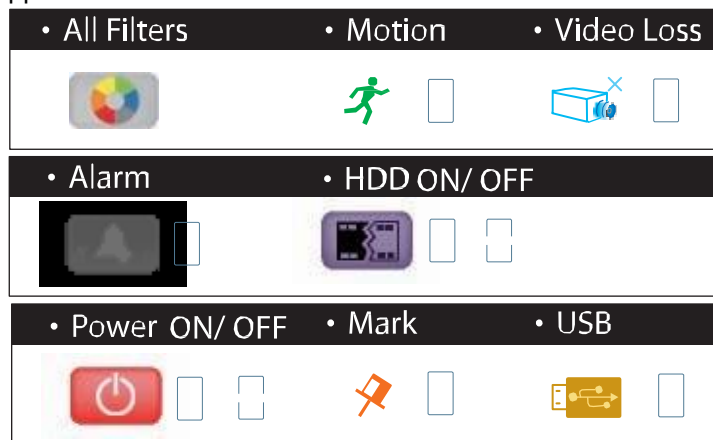
Playback Mark

Click the bar to mark the timing of important video when searching playback data, the orange cursor will be shown in the center of the bar.



Auxiliary Search Cursors:

This smart search design allows you to search data quicker and easier, meanwhile, the colorful cursors are helpful to diagnose the happened events.




For Example:

Below picture shows many events happened, you can click the numerals of data/time/frame and “roll up or down” the mouse to move one of the colorful cursors to the center red grid to view the event.

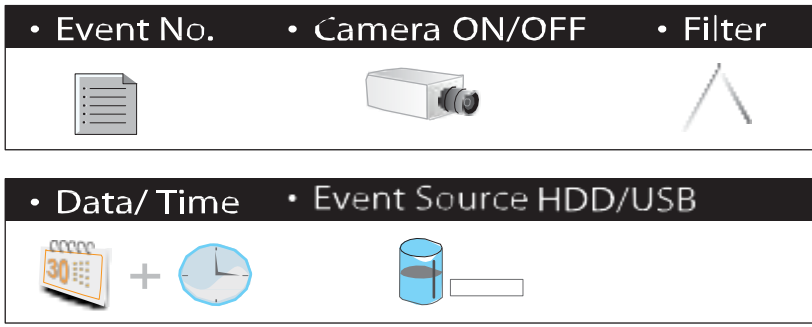



Event List



Click the icon  to enter the Event List mode.

Each HDD is allowed to save up to 8192 events. If you change a new HDD, the event list will be moved with the old HDD.





Click the icon  to play / pause the selected events.

Click the icon  to delete the selected events. Click the icon  or right click the mouse to exit and go back to the previous page.

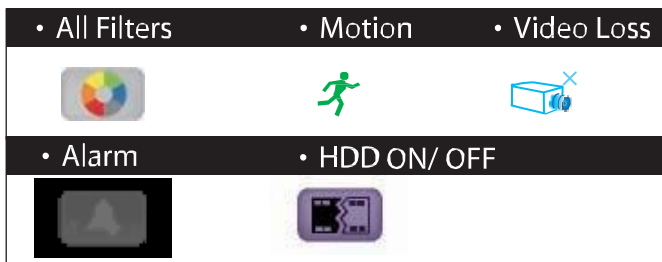
Event Filter

To search events by channel or event filters.

1. **By Channels:** click the mouse on one of below icons to show specific events by all specific channel(s).



2. **By Event Filters:** click the mouse on one of below icons to show specific events by different event filters.



Event Details



In the column of filter, it will show the filter icons in different colors, you can easily search the events.


When the cursor is moved to one of the events, the background will be changed to the beginning of the event.

Screenshot Function

Format the USB flash drive by NVR before using it for backup video, upgrade firmware or take screenshots.



To take a screenshot:


Click the icon  to take screenshots of the main display and store the image into the USB flash drive. The file name of the screenshot will be shown on the screen after saving to the USB flash drive.




NOTE: Screenshots are saved as JPEG files with the following naming convention: KMMDD00X.jpg

File name	Description
K	NVR file marker (all screenshots begin with K)
MM	Month
DD	Day
X	Numeral (for example : 001, 002, etc.)

Main Menu

If you set "Password Enable" as , the NVR will request at least ID:2, default password 2222 to enter the menu.

 Click this icon to enter main menu.



IP Camera Setup

Main Menu → IP cam Setup 



Select certain IP cam and enter, it can set follow items:



1. Connect Type: Disable, Local LAN, and Internet.
2. Title: Key in IP cam title via virtual keyboard



3. Host name: Key in IP cam title via virtual keyboard



4. Port
5. ID
6. Password: Key in IP cam title via virtual keyboard



7. IP cam Menu: It can setup--Camera, Record, Alarm, LAN



8. IP cam Information: This allows you view all your IP cam information here, such as: OS version, S/N, IP address, DHCP, Http.....



9. IP cam firmware update



Camera



Click and roll the mouse to adjust **Brightness**, **Contrast**, and **Saturation**.

Video Orientation: Roll the mouse to select mirror function:--Disable/Flip/Mirror/Flip+Mirror.

Advanced Setup: Light sources and Day/Night switching configurations. It includes



AC Frequency:

Shutter Speed:

Gain:

Day/Night Threshold (Lux)

Day/Night Mode

Record

The video frame rate can be configured here. It is referring to the recording quality.



Alarm/Motion Rate: set the frame rate when an alarm or motion event is triggered.

Working Rate: set the frame rate for normal working hours

Non-working Rate: set the frame rate for the time period other than working hours

Quality: set video quality. It refers to the bit rate generated

Schedule: configure the working / non-working time periods.



Alarm



Motion Enable: Enable/Disable motion detection

Alarm Setup:

- Response Duration

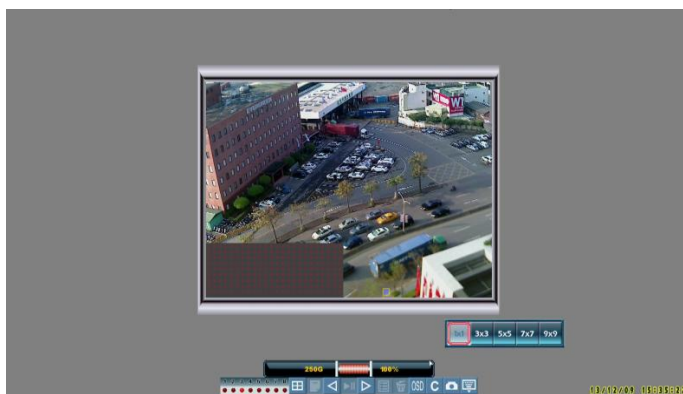
- Motion Alarm Schedule



Motion Setup: Setup IP cam motion field.



Privacy Mask: configure the mask (hidden) areas on the image.



Note: click the split mode button can select/deselect all the image area in Motion and Privacy Mask setting.



LAN

Setup the IP camera's IP address, Subnet Mask, Gateway, DNS Server, DHCP and Http port.



Setup

Main Menu → Setup



Maintenance: the NVR settings can be performed with the below 3 types of acti.

- **Load Factory Default:** restore all NVR settings to the default
- **Backup Settings (to USB):** store the current NVR settings, so it can be applied to another unit of NVR.
- **Restore Settings (from USB):** restore settings based on the stored backup settings

Language:

The NVR supports 21 version of OSD language: English, Spanish, French, Italian, Russian, Danish, Swedish, Finnish, Czech, Dutch, Deutsch, Polish, Hebrew, T-Chinese, S-Chinese, Japanese, Thai, Vietnamese, Korean, Turkish and Portuguese.

Fan Speed: The lower the fan speed, the quieter the fan sound, but the higher the HDD temperature, vice versa.

Sequence Time: For sequence displaying, the dwelling time (before displaying next group) can be set.

Video Out:



- **HDMI Screen size:** Move the adjust bar to make HDMI out to fit the monitor size
- **Video-Out Resolution:** HDMI 1920*1080, HDMI 1280*720, VGA 1920*1080, VGA 1680*1050, VGA 1280*1024, VGA 1024*768:

Date/Time:

- **Configure Date/Time**
 Display Format: Roll the mouse up or down to adjust as Y/M/D, D/M/Y or M/D/Y.
 Date Setup: Click and roll the mouse up or down to adjust date.
 Time Setup: Click and roll the mouse up or down to adjust time.
 Exit/Update: Exit this menu and save the settings
- **Time Zone:** This allows you to select GMT for your local time zone.
- **Daylight Saving Time:** You are able to choose +0, +1, +2 on it.
- **Synchronize with NTP:** You are able to choose OV, NIST or MIST (Microsoft) on NTP (Network Time Protocol) Server.

Password:

Only users of ID: 3, default password:3333 can manage NVR Passwords.

- **Password Enable:**
 Click and roll the mouse to enable/disable password.
 Password Enable: the NVR will request password to enter main menu, playback or event list.
 Users without password are allowed for live monitoring only.
- **Password Disable:** the NVR will NOT request password for NVR operation.




- **User Password (ID:1):**
 User of ID:1 is able to view playback and event list.
 (Default password: 1111)
- **Operator Password (ID: 2):**
 User of ID:2 is able to enter main menu. (Default password: 2222)
- **Admin Password (ID:3):**

User of ID:3 is able to manage NVR & LAN password.
(Default password:3333)



Information

You are able to check the NVR information including software, hardware, start / stop recording time of HDD and LAN.



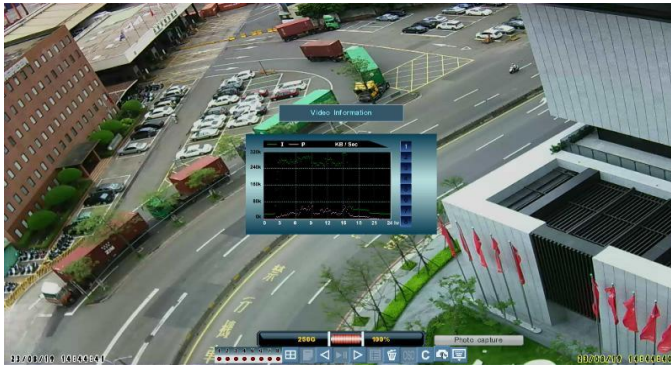
Record

Main Menu → Record



Video Information

You can choose one of the cameras to see the video size at each hour.



Bit rate Information

You can choose one of the cameras to see the bit rate size at each hour.



HDD Information

You can view internal HDD and external HDD info. in this page.



- Record Mode

- External HDD Mode

Click to select one of the following:

Extended REC: NVR recording data into internal HDD first, when it record to 100%, it'll record to external HDD.


Mirror: NVR recording data into both internal and external HDD at the same time.

Read Only: Read HDD data only, no recording.

- **Select Format HDD**

Choose which HDD (Internal / external) is going to be formatted.


- **Format HDD**

No  Cancel HDD format.

Yes  Format HDD.

WARNING: All the recorded data including event list will be deleted once HDD is formatted.

Alarm

Main Menu → Alarm 

Buzzer

Roll the mouse to enable/disable buzzer.

Key Buzzer

Roll the mouse to enable/disable key buzzer.

Alarm Setup

- **Vloss Response Time**

Video loss response time can be set from 0,3,5,10,30, 60,120,180 seconds to infinite.

- **Alarm full screen:**

Enable: Screen will pop out when alarm/ motion are triggered.

Disable: Screen will not pop out when alarm/ motion are triggered.

USB Device

Main Menu → USB Device 

To format USB flash drive by the NVR before using it for backup video upgrade OS.

The NVR support 2GB~16GB capacity of USB flash drive



Start / Stop Time & Select Channel

Insert USB flash drive into the NVR. Click and Roll the mouse to set the start / stop time and channel which is going to be saved to USB flash drive



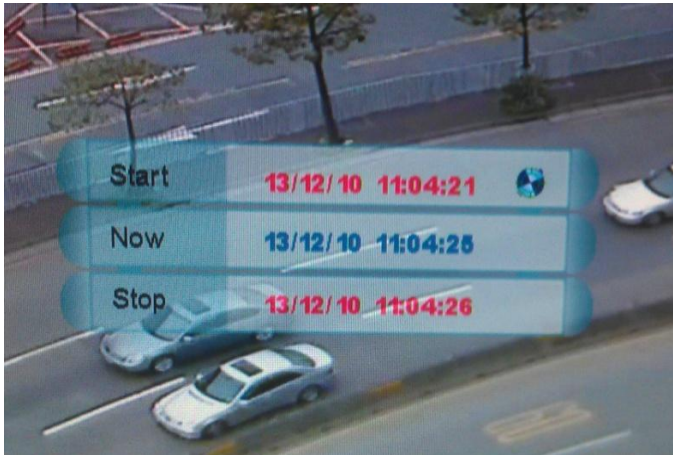
NOTE: One USB flash drive can save maximum 16 files. Each file is up to 1GB or 30 minutes.

Save To Device

Insert USB flash drive into the NVR, it will show “USB Check OK!” on the screen



Click “Save to Device” to backup the video to USB flash drive, it will start storing the backup file. The file will be named by Start Time as “Ch_YYYYMMDDhhmmss.mov”



After backup is finished, check the event list to see if it is successful.



Format Device


Insert a USB flash drive to format it.

WARNING: All the data will be deleted once the USB drive is formatted.

Firmware Update

Before firmware update process, please be sure to save firmware to USB flash and insert it to NVR.

LAN

Main Menu → LAN 



Click and roll the mouse to set IP, Mask, Gateway, DNS Server, DHCP, Http Port.

LAN Password

Only the users of "ID: admin"(default password : 3333) are able to manage LAN passwords



Click the numerals to set password.

- **User Password (ID: user):**
User of ID:user is able to view remote live only.
(Default password: 1111)

- **Operator Password (ID: operator):**
User of ID:operator is able to view remote live, playback and backup. (Default password: 2222)

- **Admin Password (ID: admin):**
User of ID:admin is able to set IE parameters including PPPoE and DDNS settings...etc.
(Default password:3333)

Network Access

System Requirements

Description	Requirement
CPU	Pentium 4 3.0GHz or above
Operating System	Windows XP/ Vista/ 7 / 8 / 8.1
Memory	1 GB RAM
Video	256 MB of video memory
Network (LAN)	10/100 Base T Network
Browser	Internet Explorer 7 or above Google Chrome / Mozilla Firefox <i>*with the installed IE Tab plug-in</i>
Media Player	Quick Time Player

Getting Started

The default ID and Passwords

User Account	ID	Password
Guest	user	1111
Operator	operator	2222
Admin	admin	3333

Find device IP address

The device IP address can be found in local NVR configuration. Enter Menu -> Setup and then click on Information. The device information is presented as figure below. Find IP address in LAN.



Open browser, enter IP address of the NVR, and press [Enter] (The default IP address of the NVR: 192.168.0.89)

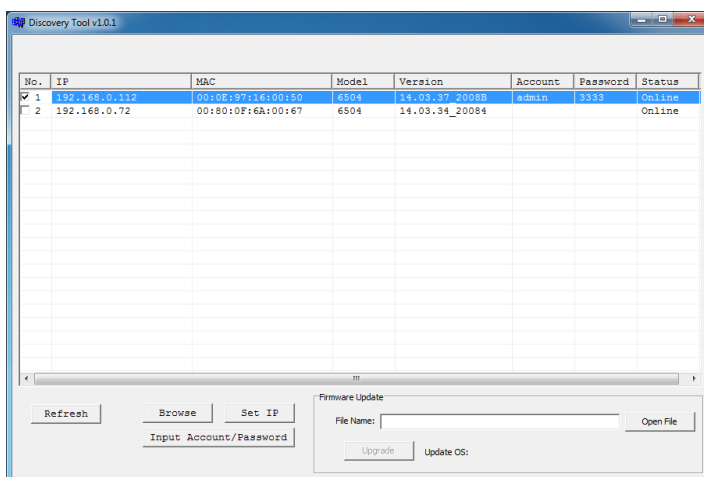


Discovering devices by search tool

The discovery tool is provided for searching Conceptronic network video devices in a network. When NVR device is correctly installed in a network, it can be searched by the tool. The steps of applying this search tool are as below.

Step 1

Launch the Discovery Tool. The tool will start searching and then displaying the NVR devices on the list after they are found.

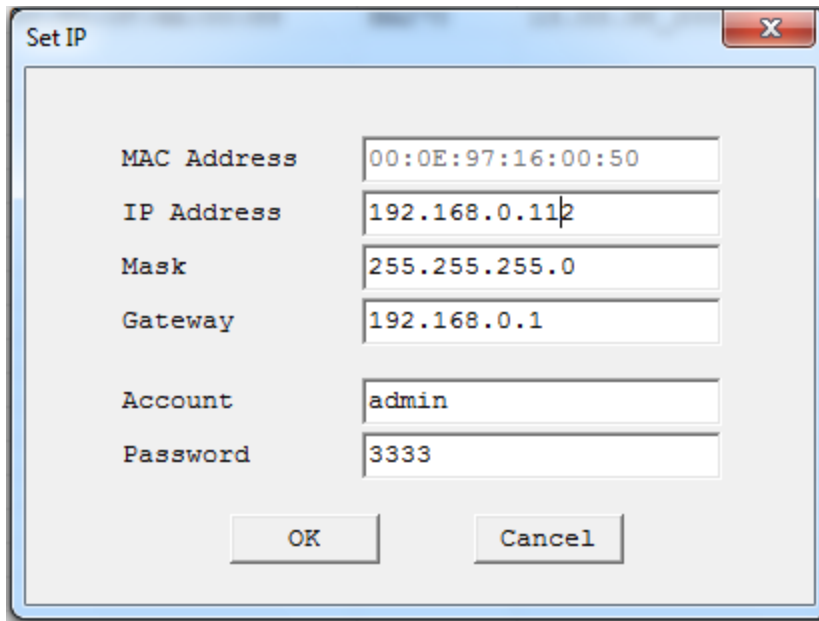


Step 2

Check the box to select a camera device from the list. The following operations will be applied on it.

Step 3

The selected NVR may have been assigned a valid IP address via DHCP server. It can also be manually given an IP address. To do so, click on “Set IP” button. In the pop-up “Set IP” window, input the IP, Subnet Mask and Gateway. Input account info if NVR is password protected

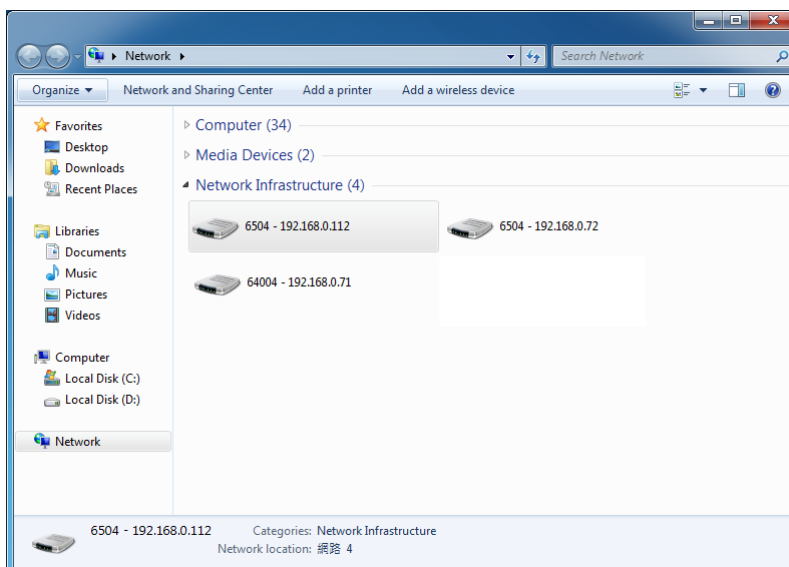


Step 4

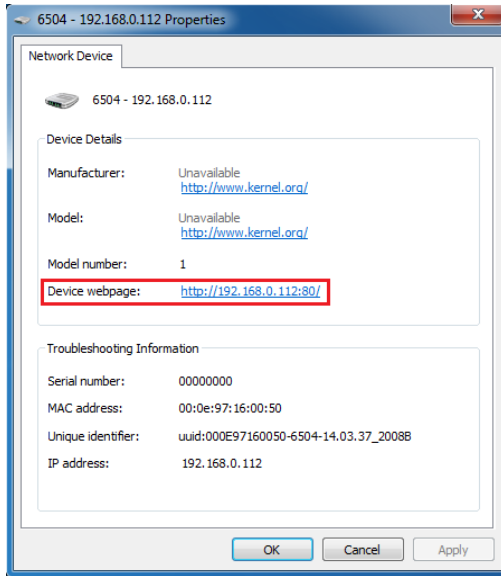
Click on the “Browse” button. This will launch an IE browser and link to the NVR web page immediately.

Discovering devices in Windows Network

The NVR can be discovered in “Windows Network” of a client PC when it is connected in a network with DHCP and UPnP services available. See the figure below.

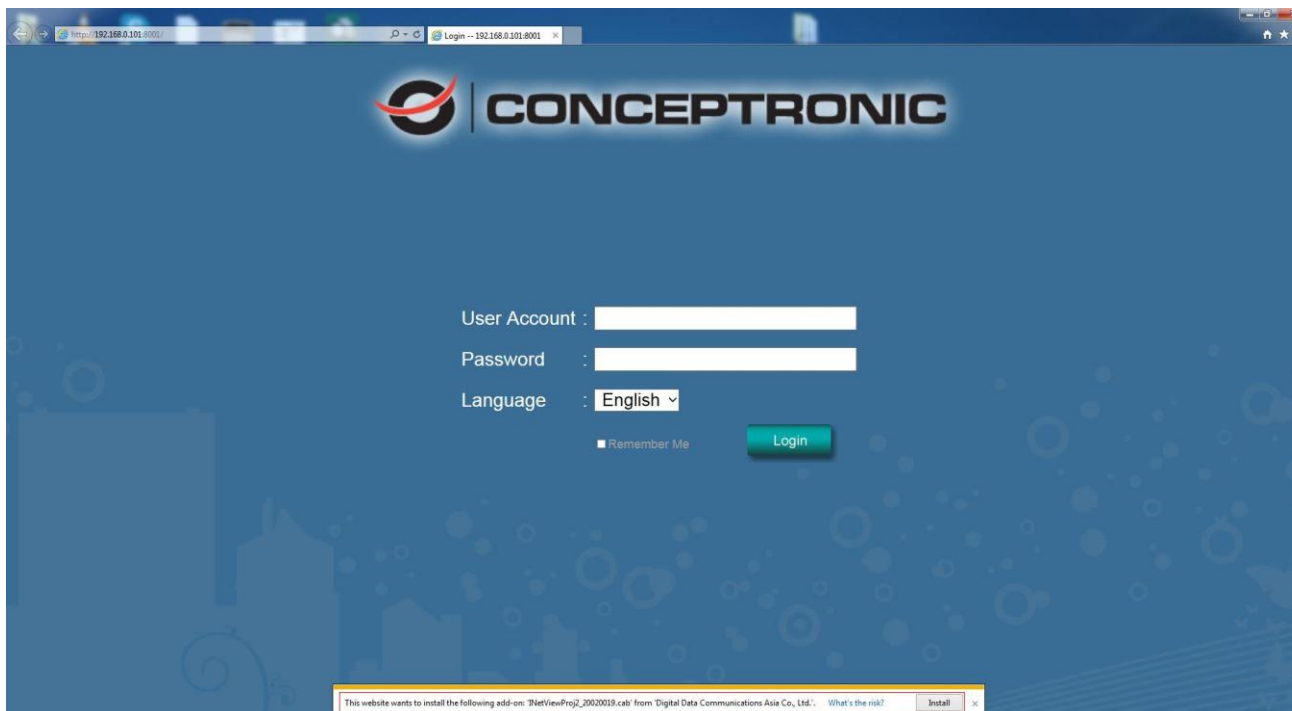


Right-click on the device and select “Properties”, the pop-up window shows all the information related to the device, including the **web access info**. Use the web address to connect to the NVR. Or simply double-click on the selected device, which gets immediately access to the NVR webpage.



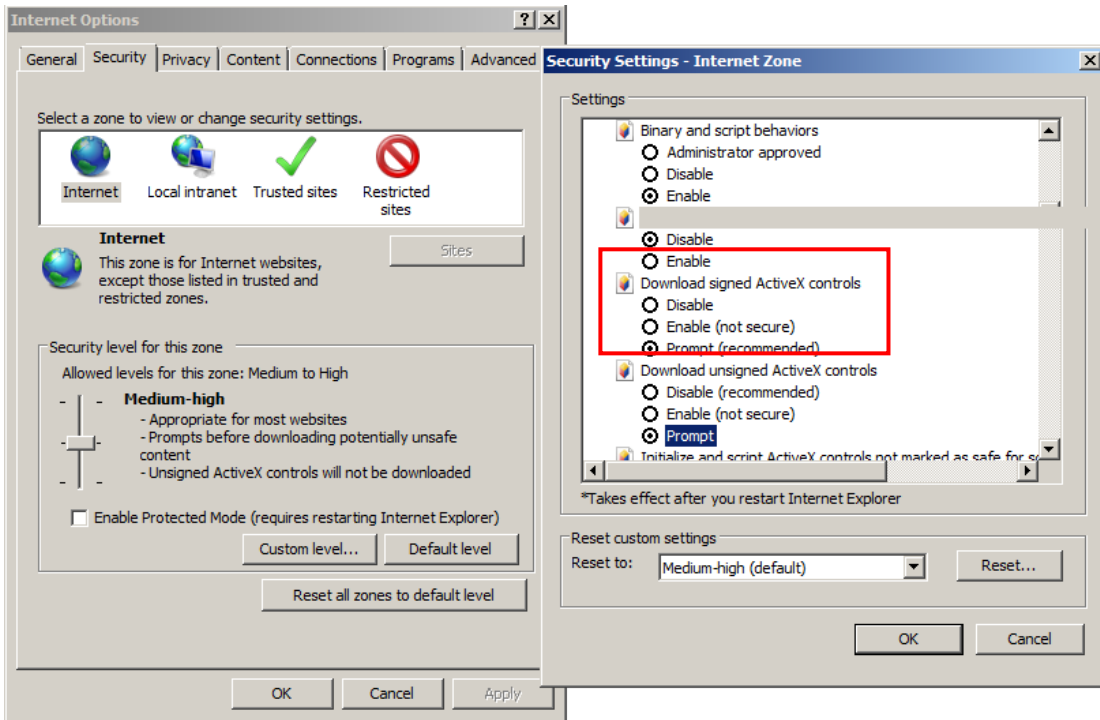
ActiveX add-on installation

The access to the NVR webpage for the first time will be prompted to install the ActiveX. This installation is essential for viewing live video via IE browser. To allow the installation, click “Install” button on the message bar. Follow the instructions to complete the installation.

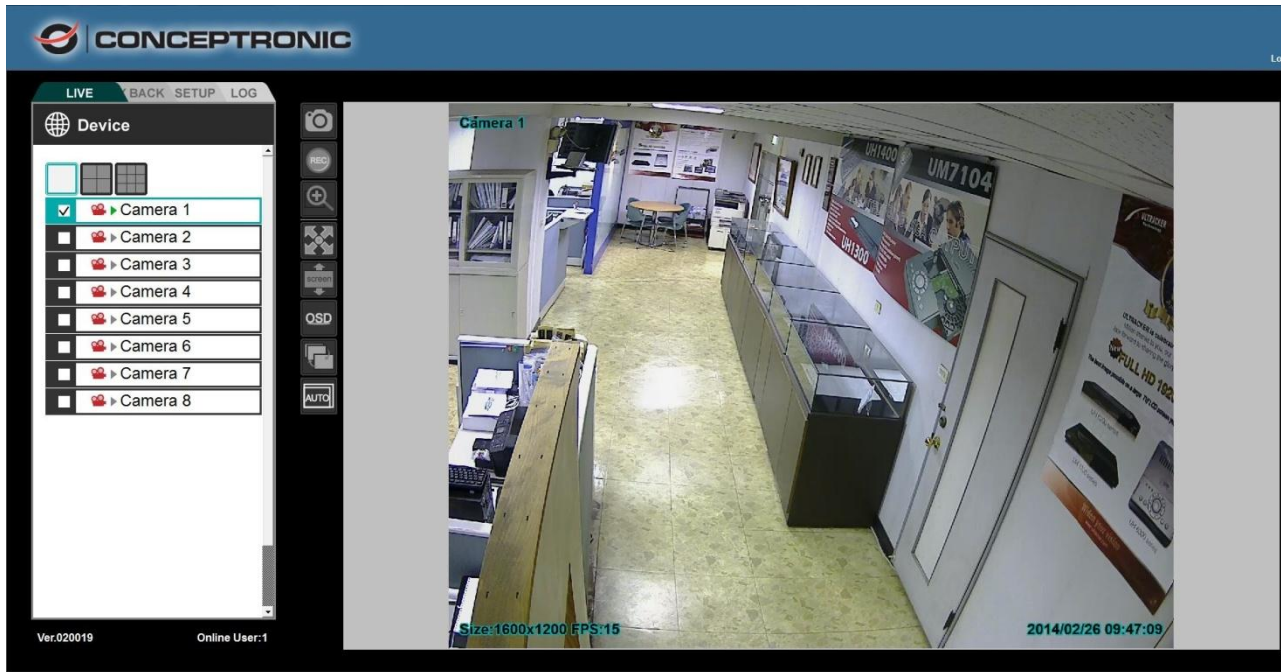


NOTE

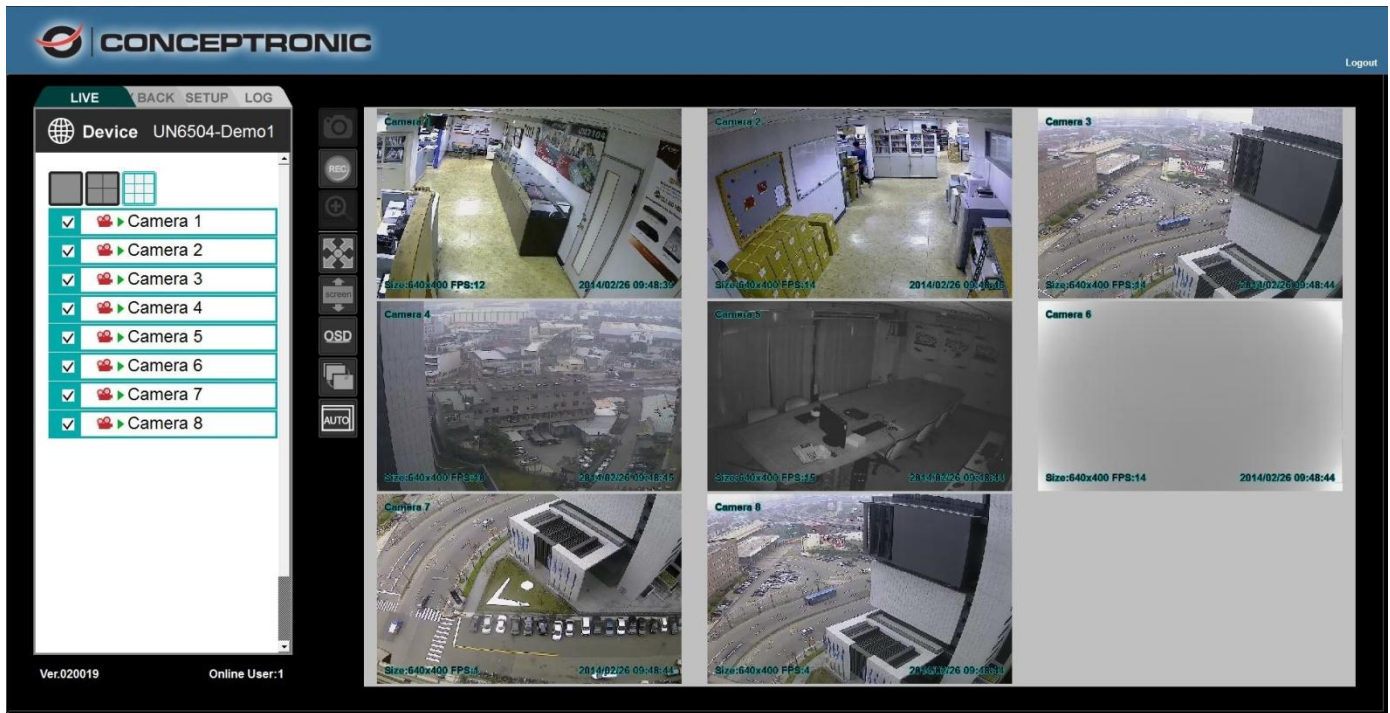
If there is not any prompt message or ActiveX cannot be installed at all, change the IE security level and settings. In IE → Internet Options → Security → Custom level, make sure the “Download signed ActiveX controls” setting is “**Enable**” or “**Prompt**” selected.




Enter ID and Password to login. The IE browser can then display the web UI of the NVR and the live video of the managed cameras as below.





Web UI Operations




Live Viewing

 Click this button for live mode.

 Click this button to view in single channel

 Click this button to view in Quad mode

 Click this button to view in 9-split mode.

Drag & Drop (or tick/untick) the selected camera from the list to the viewer channel.

<input checked="" type="checkbox"/>	▶ Camera 1
<input type="checkbox"/>	▶ Camera 2
<input type="checkbox"/>	▶ Camera 3
<input type="checkbox"/>	▶ Camera 4
<input type="checkbox"/>	▶ Camera 5
<input type="checkbox"/>	▶ Camera 6
<input type="checkbox"/>	▶ Camera 7
<input type="checkbox"/>	▶ Camera 8



View in video image as 1600*1200.



View in video image as 640*400.



Switch automatically to HD or SD resolution when viewing in single channel or multi channel mode respectively.



Press this button to capture current live image.



Press this button to record image to PC.



Press this button to digital zoom in single channel.



Press this button to enlarge image to full screen, press keyboard "Esc" to return.



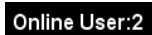
Press this button to expand image to fit image window size.



Press this button to hide the OSD text overlap.



Press this button for camera sequence



This show user online status, maximum allow 8 users online.

Playback



Click this button for playback mode.



Playback mode by Date/Time



Playback model by event



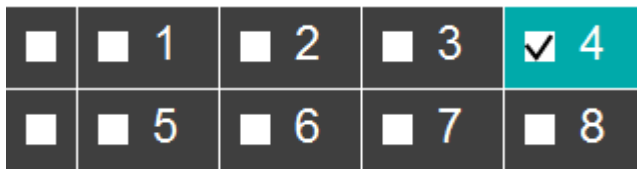
Click this button for remote backup


NOTE

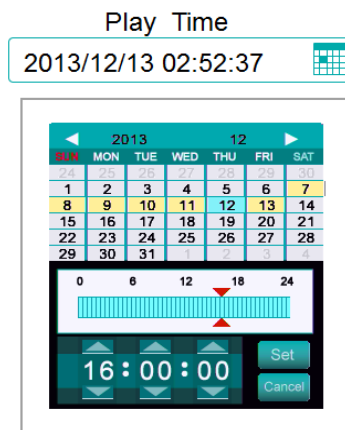
Only operator and admin are able to enter playback mode

Playback by Date/Time















1. Select the channel you would like to playback



2. Click  to open a pop-up calendar to select the date and time.



To use the pop-up calendar:

- A. Click   to change the month.
 - B. Click a date .
 - C. Click   to set the time.
 - D. Click  .The pop-up calendar closes.
 - E. Click     to control playback.
3. Click     to control playback rewind, pause, play and fast-forward.

Backup Device

PC

Channel

Camera 1

ch02_20131212_150403_440133409.mov

20%

Stop

Setup

SETUP

Click this button for full remote setup mode



Local Config

Press this button for following setting:

Local Configuration	
Protocol	TCP
Stream Type	Sub Stream
Save record files to	C:\NVR_Backup
Save snapshots in live view to	C:\NVR_Backup


Apply Return




Basic

Press this button for following setting


Configuration	
Device Title	6504
Camera 1	Channel 1
Camera 2	Channel 2
Camera 3	Channel 3
Camera 4	Channel 4
Camera 5	Channel 5
Camera 6	Channel 6
Camera 7	Channel 7
Camera 8	Channel 8
Language	English
Date & Time	Remain the same
Date Mode	<input checked="" type="radio"/> Y/M/D <input type="radio"/> D/M/Y <input type="radio"/> M/D/Y
	2013 / 10 / 31 10 : 18 : 24
GMT Offset	GMT+08:00

 IP Camera List Press this button for following setting:

IP Camera List			
No.	IP Camera Address	MAC Address	Port
1	192.168.0.106	00-00-00-00-00-00	90
2	192.168.0.102	00-00-00-00-00-00	80
3	192.168.0.103	00-00-00-00-00-00	80
4	0.0.0.0	00-00-00-00-00-00	0
5	0.0.0.0	00-00-00-00-00-00	0
6	0.0.0.0	00-00-00-00-00-00	0
7	0.0.0.0	00-00-00-00-00-00	0
8	0.0.0.0	00-00-00-00-00-00	0

 Schedule Press this button for following setting:

Schedule	
Camera 1	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
Record Schedule	SUN
Motion Schedule	MON
	TUE
	WED
	THU
	FRI
	SAT
Non-Working Hours	
Working Hours	
<input type="button" value="Apply"/> <input type="button" value="Set All"/> <input type="button" value="Clear All"/>	

 Event Management Press this button for following setting:

Event Management	
Buzzer	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Key Buzzer	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Vloss Response Time	180
Alarm Full Screen	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
<input type="button" value="Apply"/> <input type="button" value="Return"/>	

 Network (NVR)

Press this button for IP, E-mail, PPPoE, DDNS setting:

IP Setting		
Static IP	IP Address	192.168.0.101
	Maske	255.255.255.0
	Gateway	192.168.0.1
	DNS Server	0.0.0.0
HTTP Port	8001	
DHCP	<input checked="" type="radio"/> Disable <input type="radio"/> Enable	
UPnP	<input type="radio"/> Disable <input checked="" type="radio"/> Enable	
<input type="button" value="Apply"/> <input type="button" value="Return"/>		

E-Mail	
E-Mail Status	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Interval (Minute)	5

 Storage Device

Press this button for following setting:

HDD Information	
Internal HDD	External HDD
[Record Mode] Single Write	[HDD Mode]
[Vendor]	[Vendor]
[Size] 0G 0%	[Size] 0G 0%
[Start]	[Start]
[Stop]	[Stop]
Record Mode	Single Write
External HDD Mode	Extended REC
Select Format HDD	Disable
<input type="button" value="Apply"/> <input type="button" value="Return"/>	

 Authentication

Press this button for following setting:

Authentication			
Level	User Name	Password	
Administrator	<input type="checkbox"/> admin	<input type="password"/>	<input type="password"/>
Operator	<input type="checkbox"/> user1	<input type="password"/>	<input type="password"/>
Guest	<input type="checkbox"/> user2	<input type="password"/>	<input type="password"/>
<input type="button" value="Apply"/> <input type="button" value="Return"/>			

Press this button for following setting:

Information

[OS] 14.03.14_1FFD6
[SN] 65040000314C

[B] REV:1.1
[N] 6504

[MAC] 00-0E-97-16-00-D5
[IP] 192.168.0.101
[DHCP] Disable
[HTTP Port] 8001
[DDNS] ____

Log

LOG

Click this button for log mode.

Press this button for system info.

System

OS Version	14.03.14_1FFD6
Serial Number	65040000314C
HW Version	REV:1.1
Model Name	6504

Press this button for network info.

Network

MAC Address	00-0E-97-16-00-D5
IP Address	192.168.0.101
Maske	255.255.255.0
Gateway	192.168.0.1
DNS Server	0.0.0.0
HTTP Port	8001
DHCP	Disable
DDNS	____

Press this button for online user info.

Online User				
No.	Data	Time	Login Account	IP Address
1	2013-10-31	10:10:08	admin	114.32.214.32
2	-	00:00:00	-	0.0.0.0
3	-	00:00:00	-	0.0.0.0
4	-	00:00:00	-	0.0.0.0
5	-	00:00:00	-	0.0.0.0
6	-	00:00:00	-	0.0.0.0
7	-	00:00:00	-	0.0.0.0
8	-	00:00:00	-	0.0.0.0

SYSTEM		PLAYBACK	
Operating System	Linux (embedded)	Channels	Max. 8Ch
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring	Playback Speed	Single Frame, Forward / Rewind (x5, x15, x60)
Number of Channels	4 + 4 Channels	Search	By time or event
INPUTS / OUTPUTS		Log Search	Yes (max. 8192 events)
Camera Input	4Ch(PoE) + 4Ch(LAN)	STORAGE & ARCHIVE	
Video Output (VGA)	Up to 1920x1080	Storage	Internal HDD x1, External USB HDD x1
Video Output (HDMI)	Up to 1920x1080	Maximum Capacity	4TB
Audio Out	RCA x2 (Left & Right)	Backup Media	USB Flash Drive & External HDD
USB Port	3	Backup File Format	MOV
DISPLAY / OPERATIONS		External HDD mode	Capacity extending / Backup recording
Live Display	Up to 8	CONNECTIVITY	
Live Display Speed	Up to 120 fps	Easy Connect	UPnP Supported
OSD	Yes	Supported Operating Systems	Windows™ 8/7/Vista/XP
System Navigation	USB Mouse, IR Remote Controller, Touch Monitor Control	Browsers	Internet Explorer & Safari & Chrome & Firefox
Split Screen	1, 4, 9	Email notification	Yes
Motion Area Setting	Yes (50x37)	Smart Phone Compatibility	iOS, Android
Motion Sensitivity	100 levels	DDNS	Yes
Digital Zoom	Yes, 1x ~ 4x	System Configuration	Full setup configuration over network
Privacy Mask	Yes	Network Protocol	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SMTP, UPnP
User Authority	Yes	Network Interface	10/100 Mbps RJ45 x 1 Independent 10/100 M RJ45 (PoE) x 4
Time Synchronization	NTP Supported	GENERAL	
Firmware Upgrade	Via USB flash drive	Power Consumption	DC12V, 4A, 48W
RECORDING		Supply Voltage	100~240VAC
Compression Type	H.264	Unit Dimensions (W x D x H)	295 x 161.1 x 32.2mm
Compression Rate	300:1	Unit Weight	0.85Kg (without HDD)
Recording Resolution	Up to 1600x1200	Operating temperature	5 ~ 40°C
Recording Speed	Up to 120 fps	Humidity	10 ~ 75%
Recording Quality Control	5 levels	 <p>Note: NVR Viewer app for iPhone and Android phones is available on the App store and Google Play. For the app user manual, please visit http://www.conceptronic.net/download.php</p>	
Recording Schedule	Manual / Schedule / Event		
Pre Recording	Up to 15 Secs		
Post Recording	Up to 10 Minutes		
Reliability	Auto-recovery after power resuming		

Notification of Compliance

Appendix A

Europe - EU Declaration of Conformity



For complete DoC please visit

<http://www.conceptronic.net/download.php>

GPL License Agreement

GPL may be included in this product, to view the GPL license agreement goes to

<http://download.conceptronic.net/GPL/GPL.pdf>

For GNU General Public License (GPL) related information, please visit

<http://www.conceptronic.net/download.php>

Enjoy the use of your Conceptronic 8-Channel IP Surveillance Kit!