iCapture™ AHD

Quick Start Guide

Network DVR with H.264 Compression

DIY
Do-It-Yourself

PLUG
AND
PLAY

HD
720P

P2P
Network

A VIDEO DISPLAY

Using a high quality monitor, connect it to DVR via VGA Cable or HDMI Cable.

STEP 1 Turning on DVR

Connect DVR and surge protector using power adaptor, like picture 1 and picture 2.

STEP 2 Connect Mouse

Connect Mouse to USB port on front panel of DVR,like picture 3.

Note: You can choose one of the following three ways to connect DVR and monitor.

Monitor with VGA Port

STEP 1. Connect DVR and monitor using VGA Cable
STEP 2. Connect monitor plug on surge protector
STEP 3. Switch signal mode to VGA Input in monitor menu

Monitor with HDMI Port

STEP 1. Connect DVR and monitor using HDMI Cable
STEP 2. Connect monitor plug on surge protector
STEP 3. Switch signal mode to HDMI Input in monitor menu

TV with BNC Port (VIDEO IN)

STEP 1.Connect DVR and monitor using BNC-RCA Cable
STEP 2.Connect monitor plug on surge protector

This way is only used among DVR and TV which have BNC and RCA port

B CAMERA CONNECTING

STEP 1. Connect camera cable BNC end(female) to extension cable BNC end(male).

Note: Camera cable power end(male) must connect extension cable power end(female).

STEP 2. Connect the other extention cable BNC end(male) to DVR Video in connector(female).

STEP 3. Connect the other extention power end(male) to power splitter cable end(female).

STEP 4. Repeat above steps to connect other cameras

STEP 5. Connect power splitter cable to power adaptor

STEP 6. Plug your power adaptor to surge protector or socket.
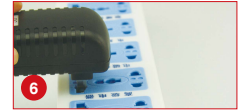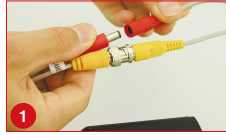
REPEAT

You have finished mounting your system

Some CCTV kits have more than one power supply unit. Simply repeat the above steps if required.

C CAMERA PLACEMENT

It is important that the camera is positioned in the correct location.

Cabling Distance Form DVR to Camera. The video signal sent from the camera to the DVR is reduced over distance. If you use a cable longer than 30M then a CAT5 or RG59 cable should be used (with suitable connectors).
The maximum distance allowed is 200M.

Do not install the camera close to high voltage or other sources of electrical interference.

Install the camera in a position where it can not be damaged or vandalised.

Avoid direct exposure to the weather. Cameras which are weatherproof may be mounted outside however the image will be affected by rain etc landing on the lens. Do not allow direct sunlight to land on the lens.

Indoor cameras. Do not expose to high levels of humidity (steam/water vapour) or high levels of dust/dirt.

Do not submerge any camera

Mounting. Ensure the camera is mounted on a stable surface which is capable of supporting 5x the weight of the camera.

Legal Considerations. Ensure it is allowed by your local laws before installing cameras.

Do Not Install Camera Behind a Window. If there is a light source behind the camera, it would cause a reflection in the window that will obscure events on the other side of the glass.Likewise, the camera's infrared LEDs will reflect off the glass and shine into the lens, thus degrading the image.
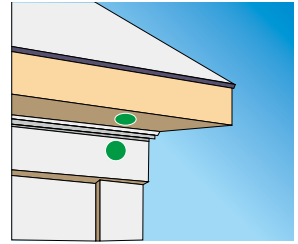
Because your camera is weatherproof, it requires less protection than weather-resistant cameras and it can be placed in more exposed locations if needed. Keep in mind that most cameras are designed to operate between 14°F to 122°F (-10°C to 60C°) with a relative humidity of up to 95%) and consider wind chill and other environmental factors when selecting your location.
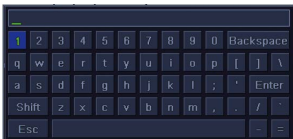

D WIZARD SETTING

Before turning on DVR, ensure that all connections are good.

POWER ON AND LOGIN

Connect the power supply, DVR will power up.

The LED labelled POWER on the front will illuminate.

After DVR starts, a WIZARD SETTING pops up.Time, network, record and hard disk management can be set.

Click device name box to pop up a keyboard as below:

It supports digits,alphabets and symbols.

Click **Shift** to input Capital letters and symbols; Click Shift again to return.

Click **Next** to present a network setting window.

Basic	
System Date & Time DST	
System Type	HDVR
Model Number	0
Video Format	PAL
Password Check	☐
Show System Time	☐
Max Online Users	10
Video Output	1280X1024
Language	English
Logout After [Minutes]	Never
Startup Wizard	☐
	Default Apply Exit

The default Http Port is 80, the default server port is 6036. Click Obtain an IP address automatically to acquire network information or input IP address, Subnet mask,Gateway, Preferred or Alternate DNS server manually. This function is used to monitor DVR through internet(Refer to Remote Survellance Guidance for details).

Click Next to present a Recording Setting window.

Wizard	
Http port	80
Server port	6036
Obtain an IP address automatically	☐
IP address	192.168.001.175
Subnet mask	255.255.255.000
Gateway	192.168.001.001
Preferred DNS server	211.136.192.006
Alternate DNS server	192.168.002.001
	Prev Next Exit

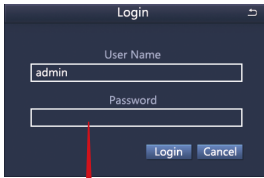| Wizard					
CH	Resolution	FPS	Encode	Quality	Max Bitrate
1	D1	25	VBR	Higher	1024 kbps
2	D1	25	VBR	Higher	1024 kbps
3	D1	25	VBR	Higher	1024 kbps
4	D1	25	VBR	Higher	1024 kbps
5	D1	25	VBR	Higher	1024 kbps
6	D1	25	VBR	Higher	1024 kbps
7	D1	25	VBR	Higher	1024 kbps
8	D1	25	VBR	Higher	1024 kbps
9	D1	25	VBR	Higher	1024 kbps
10	D1	25	VBR	Higher	1024 kbps
: 0 (CIF), 0 (D1), 0 (960H)					
☐	D1	25	VBR	Higher	1024 kbps
			Prev Next Exit		

Select resolution, fps, encode, quality and bitrate. When numeric value is higher, recorded video is clearer, but more memory will be taken up.

Click Next to present HDD management window.

Check HDD information here, if it was installed recently, select the HDD from the list to format it.

Click **Next** to present DVR status, click **Finish** button to end Wizard.

You can refer to complete setup steps from the relevant section of DVR User Manual. If you don't want to setting Wizard, please click Exit.

	Wizard					
Id	Type	Size [GB]	Free [GB]	Status	Properties	Sources
01	SATA	1863.02	1696.00	Normal	Read & write	Lical

Refresh Fonmat
Prev Next Exit

Login

After exitting Wizard Setting, you can login to DVR.

Click shortcut menu button, a Login dialogue box is presented

User Name: admin

Login

User Name
admin

Password

Login Cancel

No Password

H.264
Video loss

Single
Multi
Dwell
Colour
E-Zoom
Audio
PTZ
Snap
Record
Playback
Main Menu

H.264
Video loss

E HD AND ANALOGUE CAMERA SETTINGS

If you wish to use both AHD and analogue cameras on this DVR you will need to change the resolution settings as follows:

			Wizard		
CH	Resolution	FPS	Encode	Quality	Max Bitrate
1	960H	30	VBR	Higher	768 kbps
2	960H	30	VBR	Higher	768 kbps
3	720P	30	VBR	Higher	768 kbps
4	720P	30	VBR	Higher	768 kbps
5	960H	30	VBR	Higher	768 kbps
6	960H	30	VBR	Higher	768 kbps
7	720P	30	VBR	Higher	768 kbps
8	720P	30	VBR	Higher	768 kbps

: 0 (CIF), 0 (D1), 0 (960H).

| | 720P | 30 | VBR | Higher | 768 kbps |

Prev Next Exit

Changing Display Resolution

Optimize DVR Video output to match with monitor output as following steps:

Note:Make sure the monitor supports same resolution as your DVR output resolution, otherwise, the monitor is unable to display video.

STEP 1. Get into Main Menu from desktop shortcut menu
STEP 2. Click Setup, then choose Basic menu
STEP 3. Select the desired resolution from Video Output
STEP 4. Click Apply to save settings
STEP 5. Click Exit to restart system, and then re-login afterwards

Basic	
System Date & Time DST	
System Type	HDVR
Model Number	0
Video Format	PAL
Password Check	☐
Show System Time	☐
Max Online Users	10
Video Output	1280X1024
Language	English
Logout After [Minutes]	Never
Startup Wizard	☐

Default Apply Exit

HD CAMERAS
SET TO 720P

ANALOGUE CAMERAS
SET TO 960H

THIS WILL SET CHANNELS IN PAIRS, i.e. (1 and 2) (3 and 4)(5 and 6)(7 and 8). You can not mix the camera type in each pair.

Note: Above Setting is only suitable Analogue HD DVR

F MOTION

Select Camera. Tick the Channel you want to record on motion detection.

Holding Time. Set recording time length after motion stop

Trigger. Multi-channels can be set to record when detect the motion by one of cameras.For example,when camera 1 detects motion,camera 2 and camera 3 can be triggered to record as well.

Area. It is allowed to set sensitivity area of camera viewing range.

Click **STAR** to make the whole viewing range as sensitivity area;

Click **Trash Box** to remove sensitivity area;

Click and drag mouse to draw or erase the sensitive area.

Click to save setting   Click to exit

As Color and luminance is important for sensitivity, so it's necessary to adjust its value at specific conditions. The default value is 4 while value range is from 1 to 8.

Right click mouse to show or hide control menu at screen bottom.

Test the setting by moving something or some one walk through grid area within camera view range. If DVR detects movement within grid area, a yellow hunanoid figure would be presented in the screen. The grid could not cover flag, trees or some other flow objects in the wind to avoid false alerts.
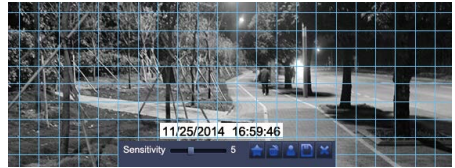
G PLAYBACK

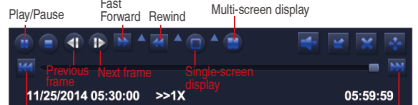Get into system **Main Menu**--**Search**, system presents picture as following
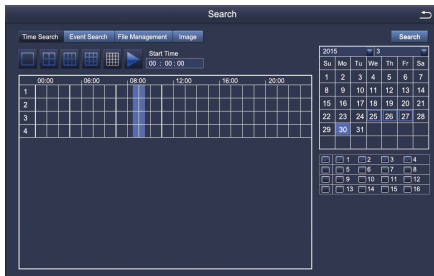
Select the channel   Start playing

Search the video you want via time or Event, then play it.

Play/Pause   Fast Forward   Rewind   Multi-screen display

Previous frame   Next frame   Single-screen display

Previous Record   Next Record

Previous Record: Move to last recorded event

Next Record: Move to next recorded event

Fast Forward: video can be played at different speed, from 1/4 times to 16 times.

Rewind: Video play can be rewinded at 1 time, 8 times, 16 times and 32 times.

Screen Display Mode: Both single-screen and multi-screen are available. You can choose how many channels you want to playback one time.Channel without records presents blank screen.
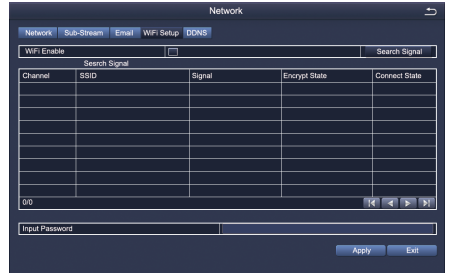
H WIFI

STEP 1. Connect WIFI USB Dongle to USB2.0 port.

STEP 2. Select WIFI Setup, then click Search Signal to choose a WIFI signal and input corresponding WIFI password, click **OK**; When it presents Connected, click **Apply** and **Exit**.
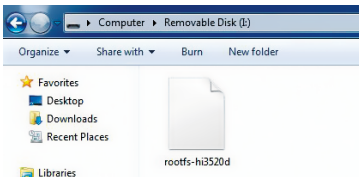
Note: It needs to connect the WIFI device again after unplugging.

I UPGRADE

If the DVR requires a software upgrade contact your supplier. You will be sent the upgrade files by e-mail.

STEP 1 Put firware into U-Disk, and ensure firmware is at root directory as below

STEP 2 Unplug the mouse from the front USB socket

STEP 3 Restart DVR(Power off and on),it will be upgraded automatically.

Note: Plz wait for a few minutes until DVR interface presents.

Note:Please refer to the enclosed document "How to connect your iCapture WiFi system to your mobile phone" for further guidance.

iCapture™ AHD

IMPORTANT! This instruction guides you how to install surveillance system.

What accessories you need before getting started

1.One monitor or TV,can not be less than 19"
2.One VGA Cable/one HDMI Cable,use any one that monitor supports
3.(advisable)
4.Power supplies for the DVR and cameras. Only use approved PSU's from your supplier.
5.Appropriate tools for installation.

Note:

This instruction is used to guide you install the system and remote surveillance, more instructions and details can be downloaded from the CD,which come with DVR.

HDMI ™ ⓤL CE FC