DVR / NVR
End User Guide

SPRO®

SECURITY YOU CAN TRUST

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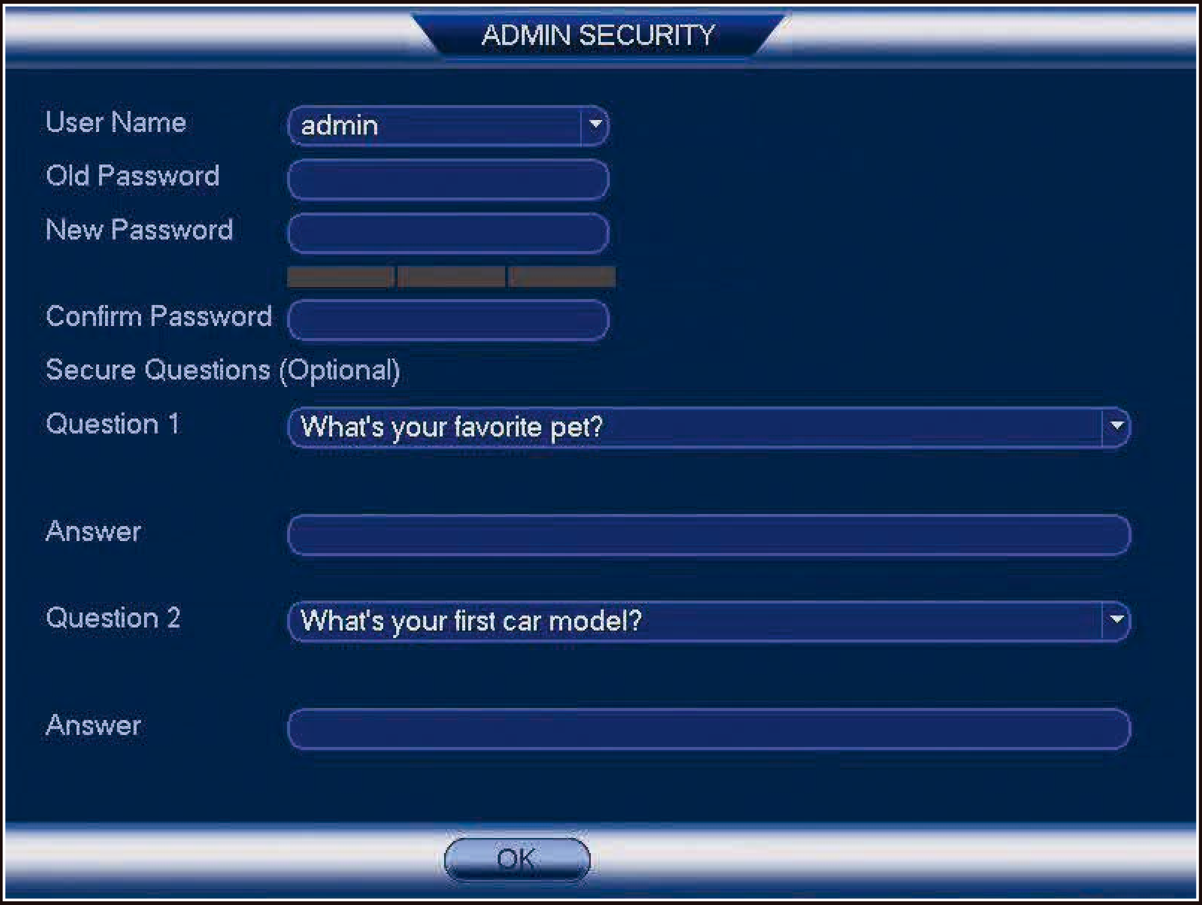
Contents /

Powering on the system for the first time /

When powering on the recorder for the first time you will be presented with an on screen admin security guide prompting you to change the admin password



User Name: admin

Question 1: What's your favorite pet?

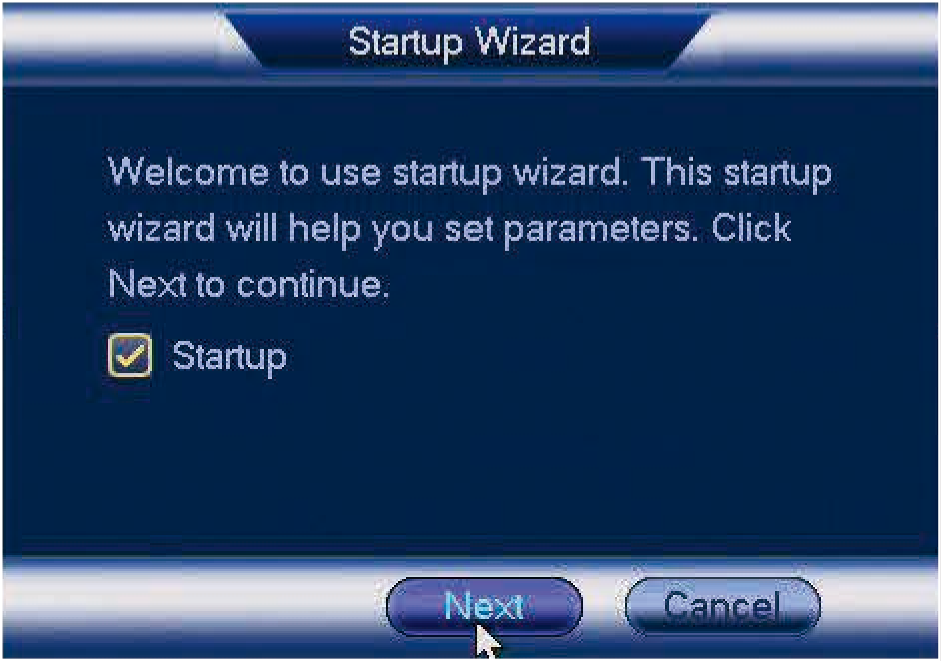
Question 2: What's your first car model?

The username should be left as "ADMIN" and the old password will also be "ADMIN"

Once you have inputted the old password you can then continue on to setup your own unique password for the admin account.

Once you have filled out the details required you can click on the "OK" button to confirm the password changes.

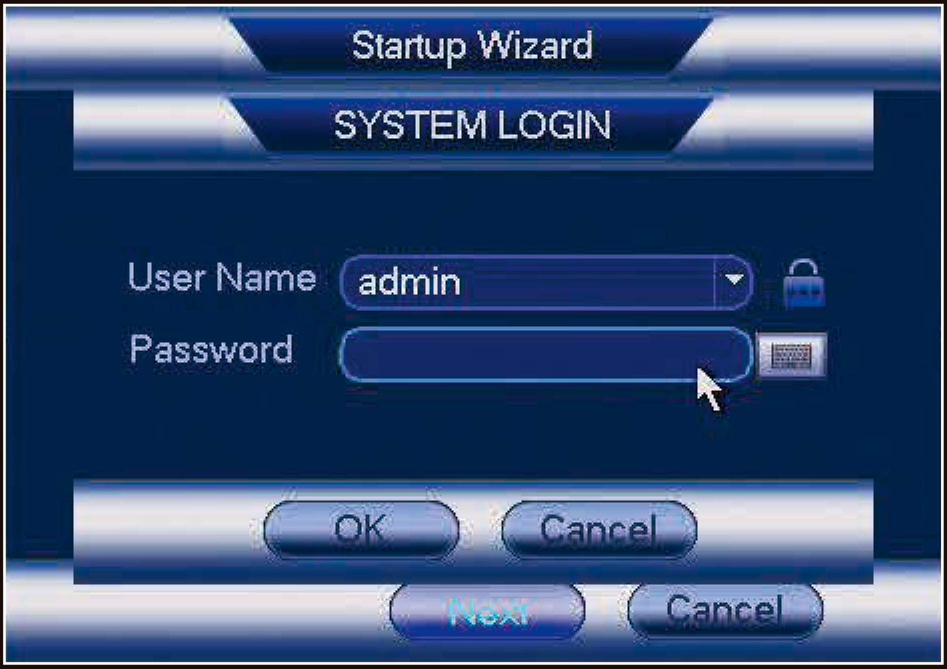
After changing the admin password you will be presented with an on screen quick start wizard.



Welcome to use startup wizard. This startup wizard will help you set parameters. Click Next to continue.

☑ Startup

Clicking on next will prompt you to input your admin password (This will be the new password you created on the previous step)



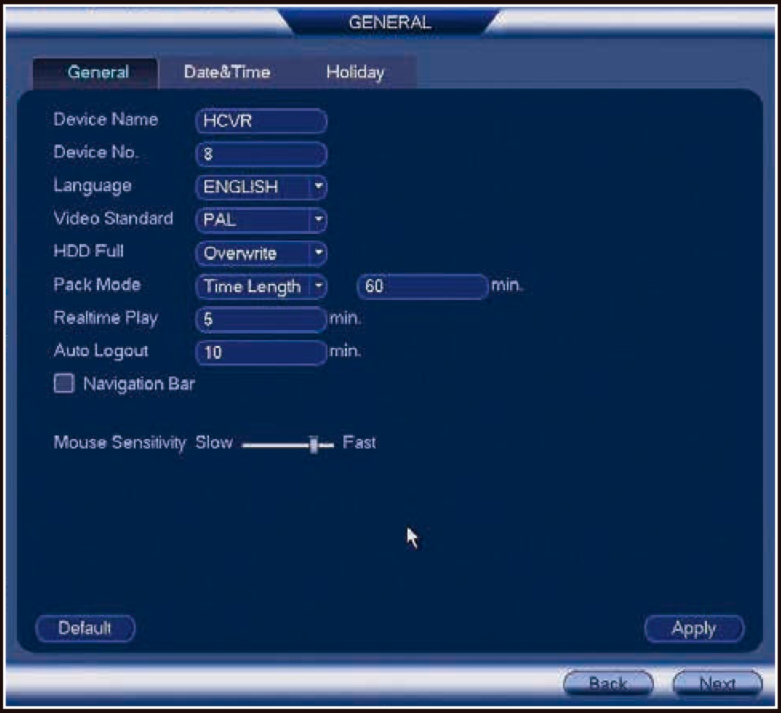
User Name: admin

Password:

Once you have inputted your password you can proceed to setup the features of the recorder.

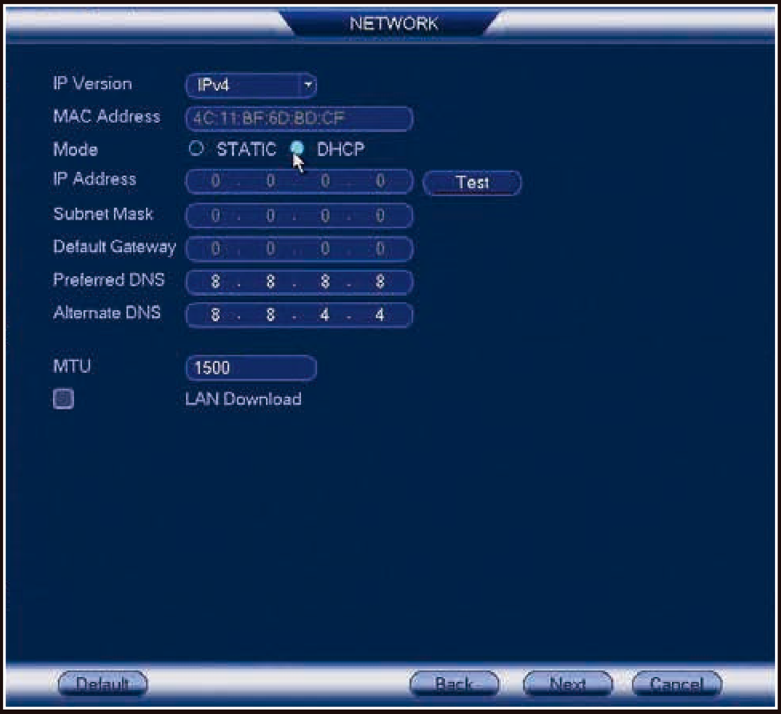
The first step of the startup wizard will allow you to setup general settings, for example the language and the date and time. (If you change any settings you will need to click "APPLY" before proceeding to the next step.

Powering on the system for the first time



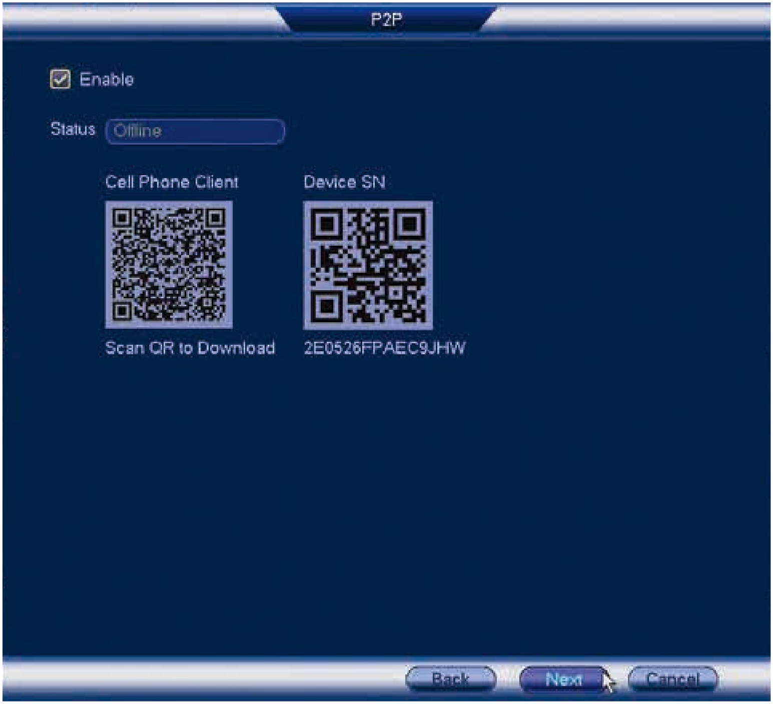
Device Name HCVR
Device No. 8
Language ENGLISH
Video Standard PAL
HDD Full Overwrite
Pack Mode Time Length 60 min.
Realtime Play 5 min.
Auto Logout 10 min.
☐ Navigation Bar
Mouse Sensitivity Slow Fast

Clicking next will allow you to setup the basic network features of the recorder. We would recommend setting the network mode to "DHCP" to ensure your recorder connects automatically to your local network. (You will need to have a network cable connected from your recorder to your router at this stage)



IP Version IPv4
MAC Address 4C:11:BF:6D:BD:CF
Mode ○ STATIC ● DHCP
IP Address 0 . 0 . 0 . 0
Subnet Mask 0 . 0 . 0 . 0
Default Gateway 0 . 0 . 0 . 0
Preferred DNS 8 . 8 . 8 . 8
Alternate DNS 8 . 8 . 4 . 4
MTU 1500
☐ LAN Download

After setting your network type you will be promted to scan the QR Code to connect your mobile phone to your recorder (Please see "Connecting to a mobile device" section later in this booklet)



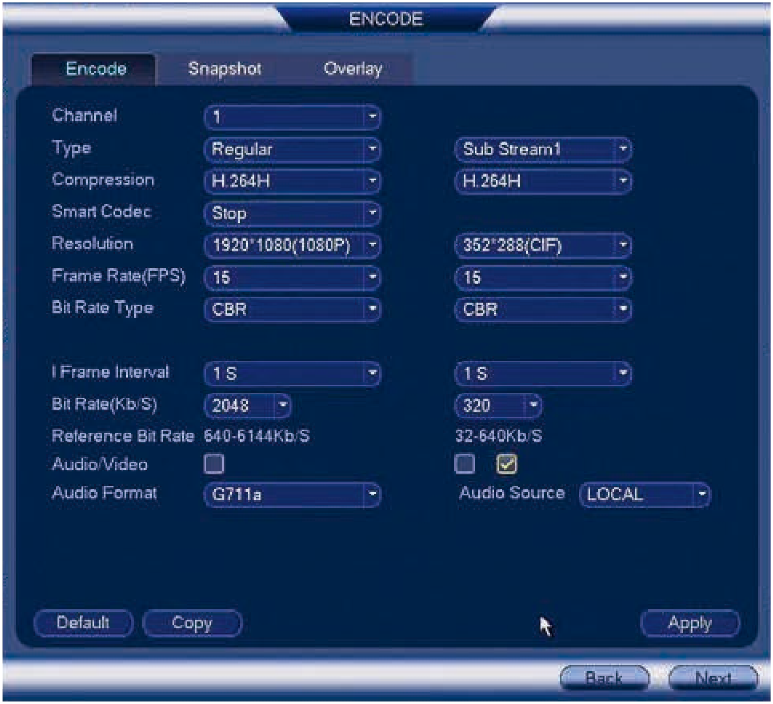
☑ Enable

Status: Offline

Scan QR to Download

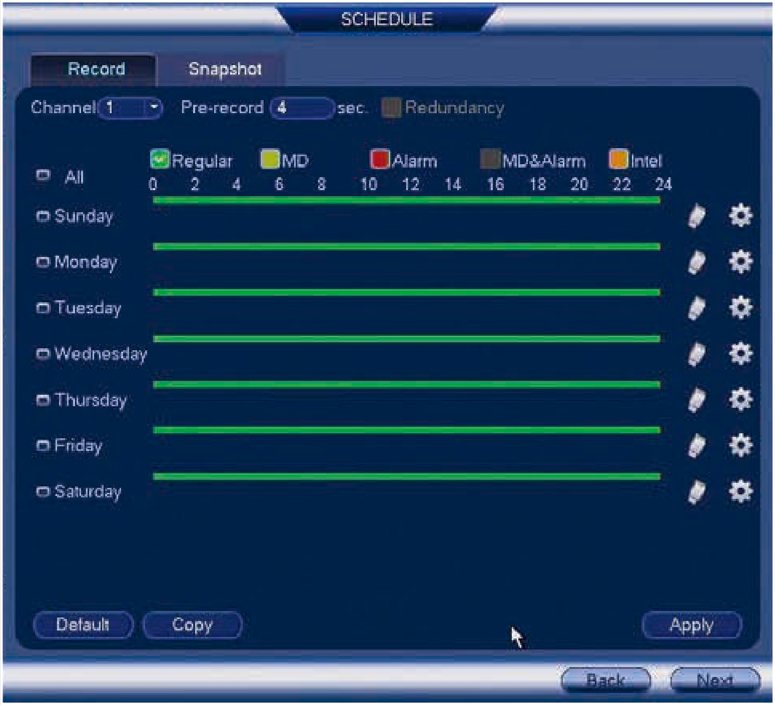
2E0526FPAEC9JHW

After clicking next you can now begin to tell the recorder how you would like the cameras to record. (For recommended settings please see "RECOMMENDED SETTINGS" section later in this guide)



Channel	1	
Type	Regular	Sub Stream1
Compression	H.264H	H.264H
Smart Codec	Stop	
Resolution	1920*1080(1080P)	352*288(CIF)
Frame Rate(FPS)	15	15
Bit Rate Type	CBR	CBR
I Frame Interval	1 S	1 S
Bit Rate(Kb/S)	2048	320
Reference Bit Rate	640-6144Kb/S	32-640Kb/S
Audio/Video	☐	☐ ☑
Audio Format	G711a	Audio Source LOCAL

The next step will allow you to set a schedule for when the cameras will record. You can select between Regular (24 Hour) recording or Motion Detection recording.

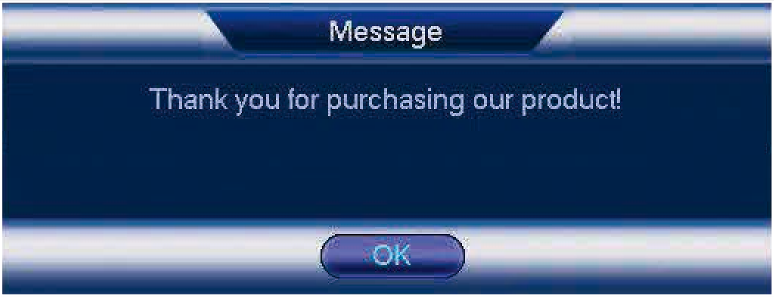


Channel 1 Pre-record 4 sec. ☐ Redundancy

	✓ Regular	🟨 MD	🟥 Alarm	▨ MD&Alarm	🟧 Intel

☐ All 0 2 4 6 8 10 12 14 16 18 20 22 24
☐ Sunday
☐ Monday
☐ Tuesday
☐ Wednesday
☐ Thursday
☐ Friday
☐ Saturday

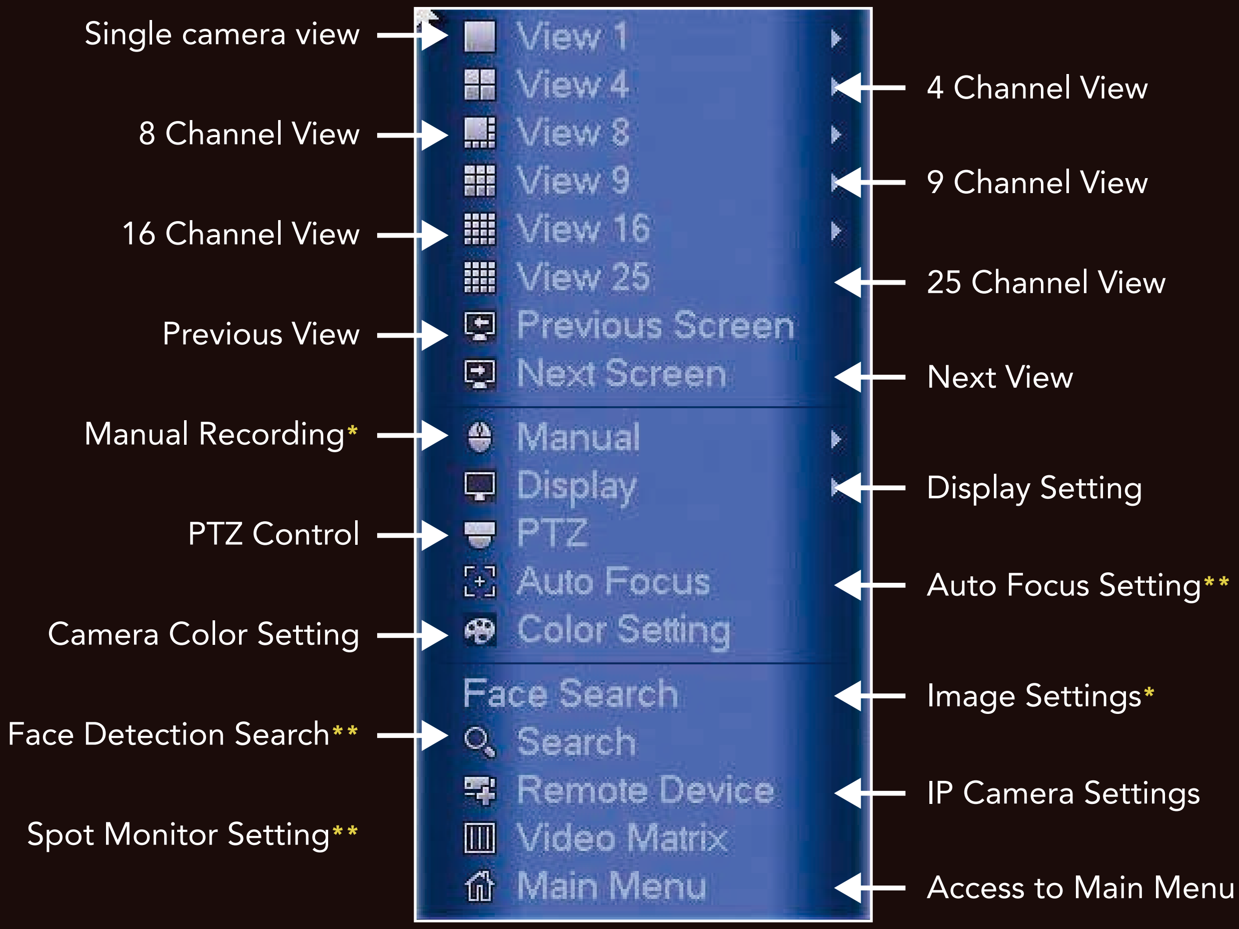
Once you have selected your required schedule click on next to exit the setup wizard.



Thank you for purchasing our product!

Quick Access Menu /

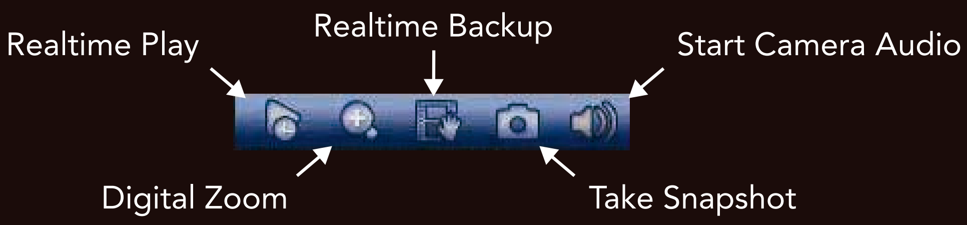
The quick access menu gives access to screen layouts, PTZ Control, Playback and the main menu. To access this menu you will need to click on the right mouse button.



* **Suggested Engineer access only**
** **May not be available on all models**

Live View /

Each individual camera will have a quick access toolbar as shown below.
To access this toolbar just hover your cursor over the top of the camera view



REALTIME PLAY
Clicking on this button will take you to the last 5 minutes of playback for that camera. This allows you to quickly check on events you have just seen. The amount of time that will playback can be changed to up to 60 minutes from the installer menu.

DIGITAL ZOOM
Digital Zoom will allow you to zoom into an area of the camera view to view smaller objects in greater detail.

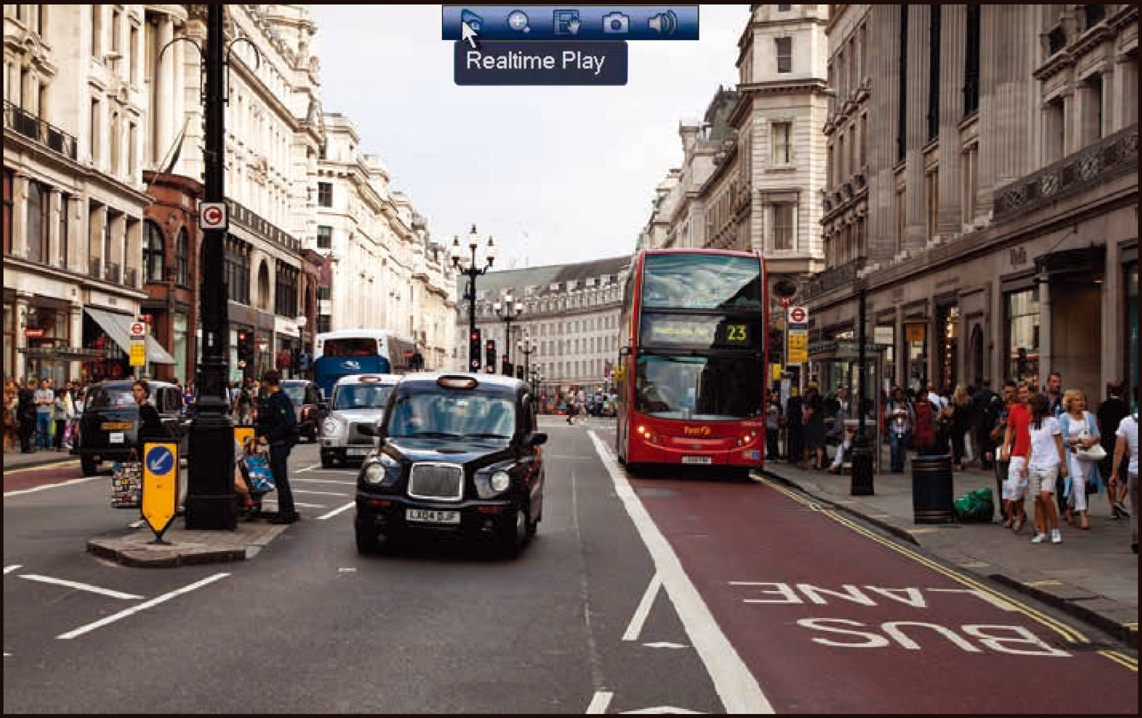
REALTIME BACKUP
Realtime backup allows you to backup events you are currently seeing in live view. To use this feature you will need a USB flash drive inserted into the DVR.

TAKE SNAPSHOT
Clicking on this button will allow you to take a snapshot of any particular camera and transfer it directly to an attached USB drive.

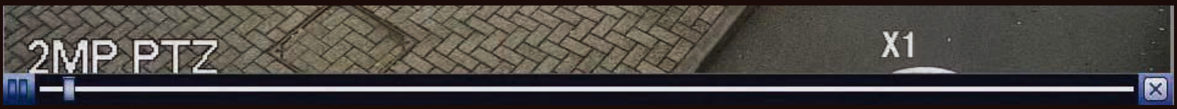
START CAMERA AUDIO
If your camera supports audio then you can click on this button to hear the audio provided by the camera.

Realtime Play in Detail /

To access Quick Play move your cursor to the top of the cameras view and select " Realtime Play"



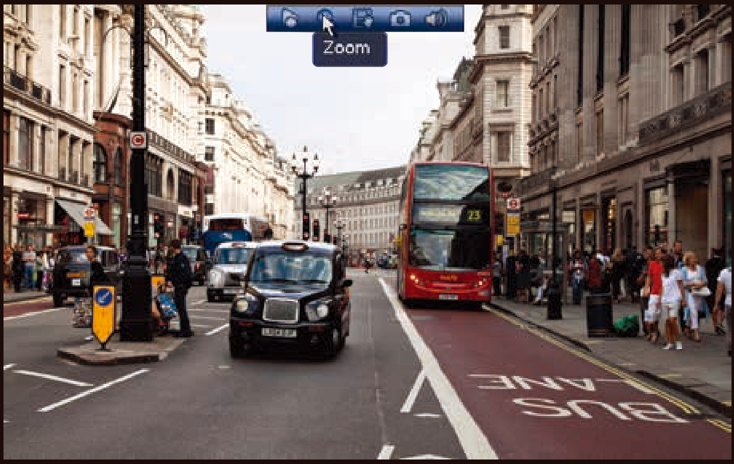
The selected camera will playback the last five minutes of recorded footage and you can skip forward / back by clicking on the time bar as shown below.



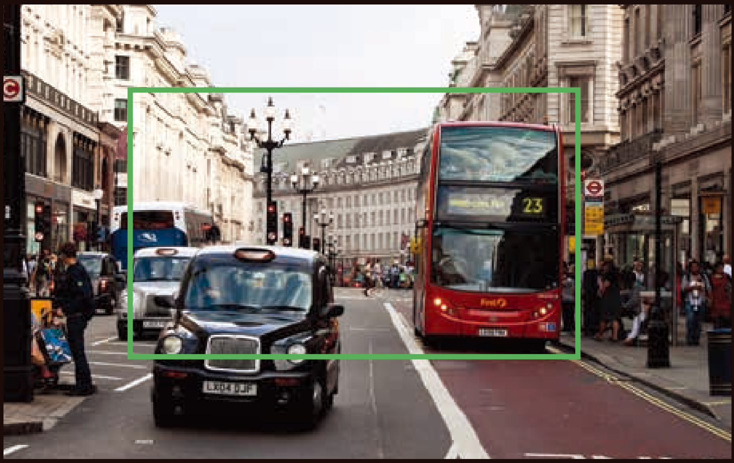
To jump back to the live view just press the X at any time.

Digital Zoom in Detail /

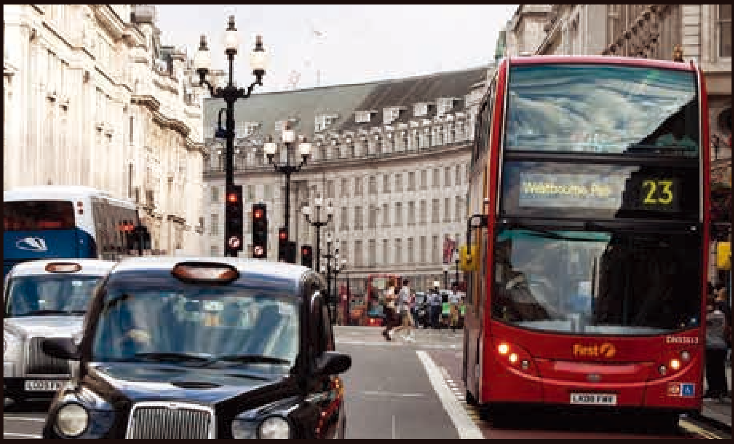
To access the digital zoom function, move your cursor to the top of the camera view and click on the "Zoom" button.



Once selected simply click and hold the left mouse button and drag to draw a box



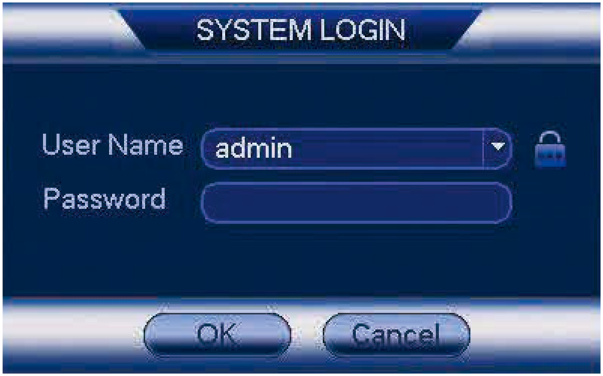
When you are happy with the area selected, let go and the image will zoom in.



PLEASE NOTE: THIS IS DIGITAL ZOOM SO SOME LOSS OF QUALITY WILL BE APPARENT.

Access to the Main Menu /

After clicking on Main Menu you will be prompted to login to the system as shown below

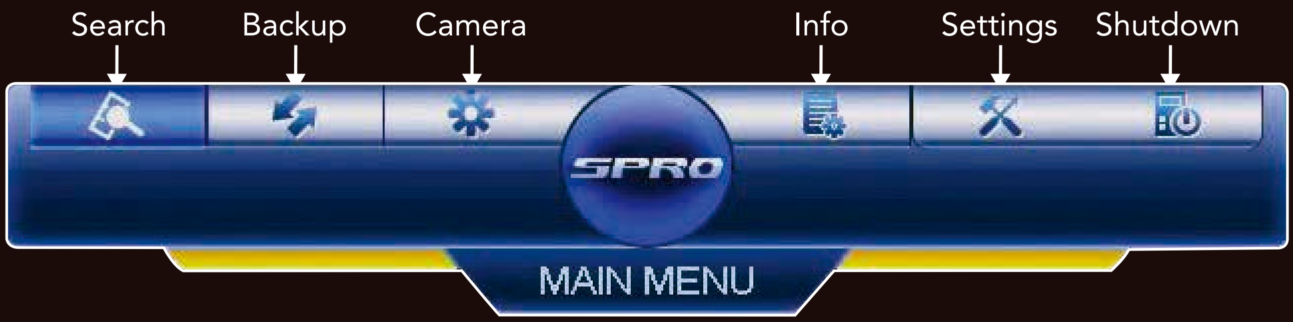


SYSTEM LOGIN

User Name: admin

Password

Your individual login credentials will be given to you by your CCTV engineer.
Once logged into the system you will have full access to the main features of the recorder.



Search

Backup

Camera

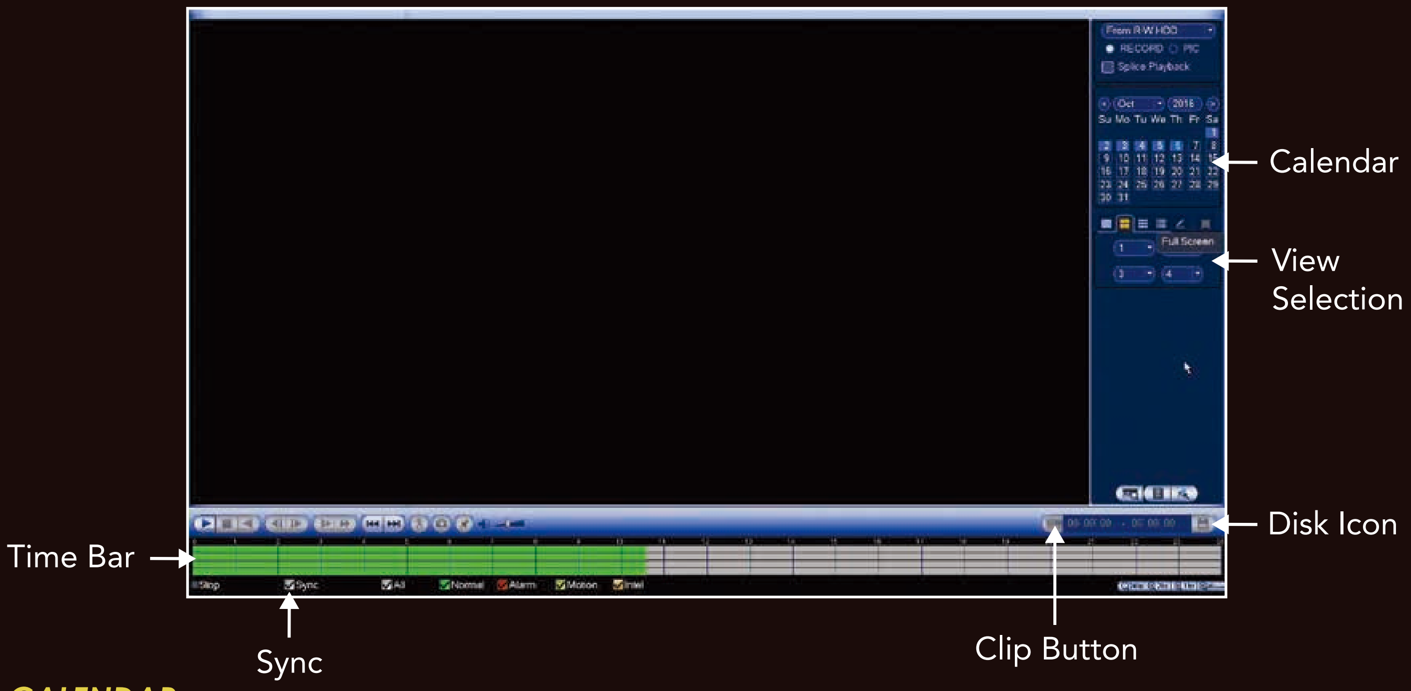
Info

Settings

Shutdown

Playback /

To access Playback you will need to right click on the mouse and select "MAIN MENU" and "SEARCH".



CALENDAR

Use this to select the required date for playback, a lighter shade of blue indicates that footage is available for that day.

VIEW SELECTION

This allows you to select up to 16 cameras to playback at the same time.

TIME BAR

The time bar shows what footage is available and the type of footage available. Double click anywhere on this bar to start the playback from that time.

SYNC

Clicking Sync allows you to either playback all of the selected cameras at the same time or adjust the time of individual cameras.

CLIP BUTTON

If you need to backup footage then using the clip function is the easiest way. Simply click on it once whilst playing back to select your start time and click again to select your end time.(See Backup Section for more information)

DISK ICON

Once you have selected your start and end time simply press this button to go to the backup screen.

Smart Search /

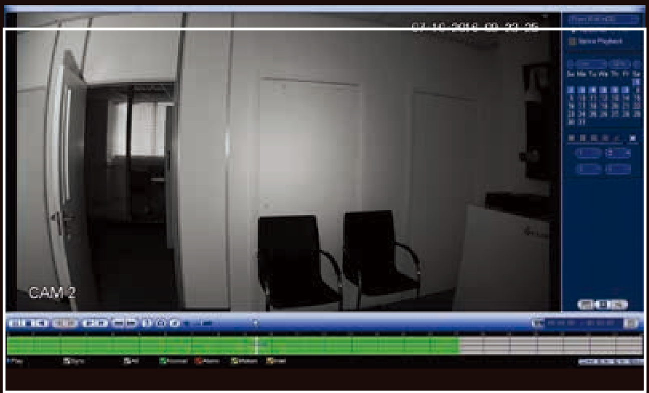
Smart Search allows you to skip through the playback to sections where movement was found. This means you will no longer need to sit through hours of footage to find a particular event.

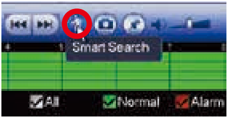
****PLEASE NOTE****
To use the Smart Search feature Motion Detection will need to be enabled.

To use Smart Search, select the camera you require and double click to make this full screen.

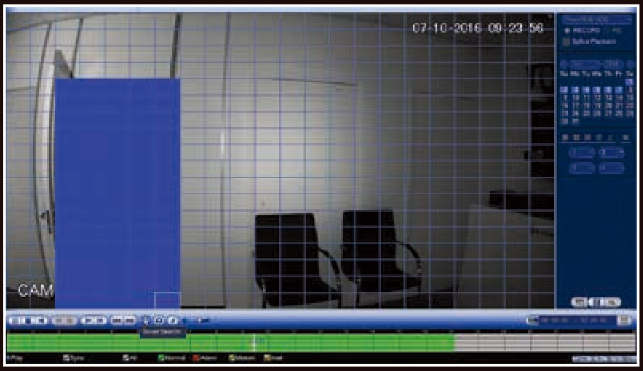
➔

Then select the smart search icon as shown below.





A grid will fill the screen and you will be able to select the area of movement you are interested in. To fill the squares simply click the left mouse button and drag.



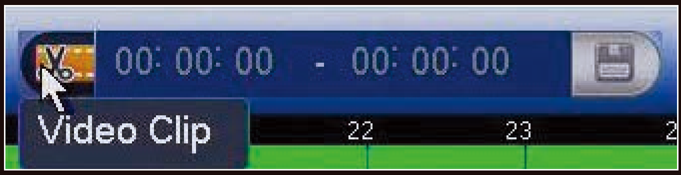
Once you are happy with your selected area then click on the Smart Search button again to activate the search.

The DVR will now automatically play all of the motion detection found in that area for that day. If you would like to back any of these events up then click on the file list button.

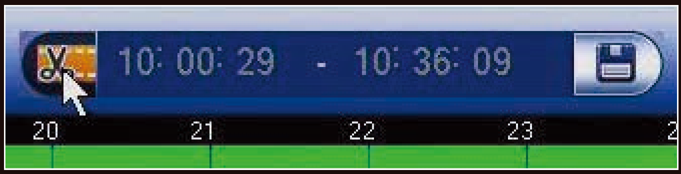
Backup /

The easiest way to backup is to use the Clipping tool direct from the playback screen. To use this feature follow the simple steps below.

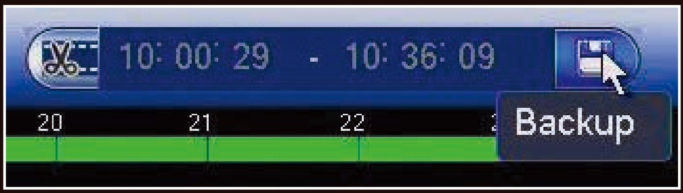
- Select your required camera and start to playback
- Navigate to your required start time by using the time bar
- Click once on the scissors icon to select the start time



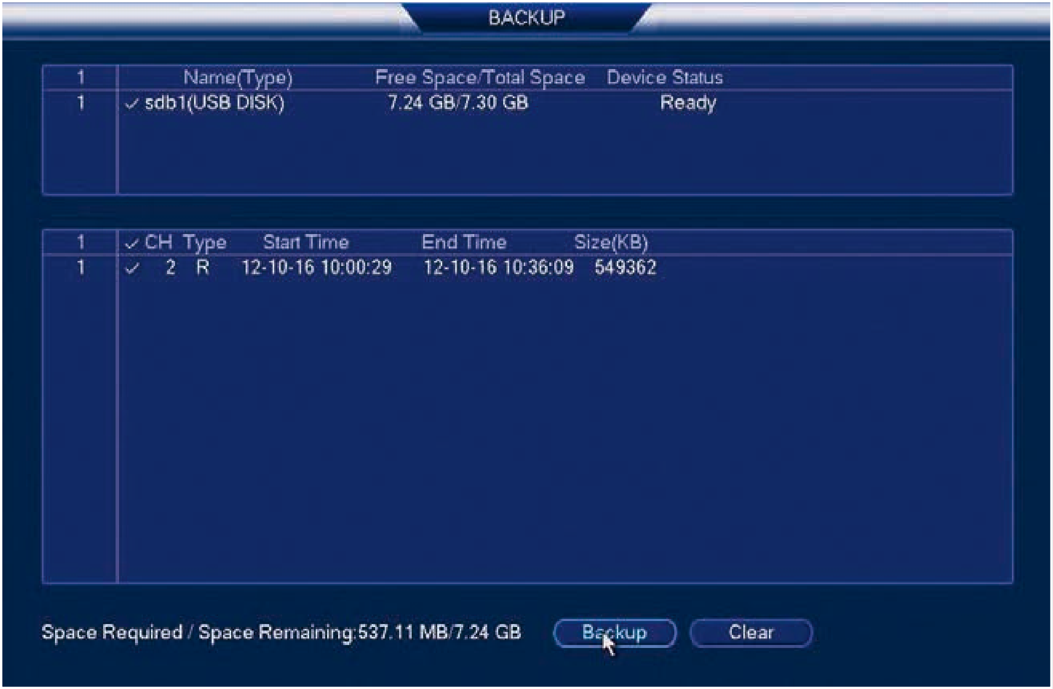
- You can then either continue to watch the playback until the end time or jump to an end time by clicking again on the time bar.
- When you are happy with your end time, click one more time on the scissors to finalise the end time.



- You can now click on the disk icon to go to the backup screen



- When on the backup screen, you will see the times you have chosen, along with the detected USB device.

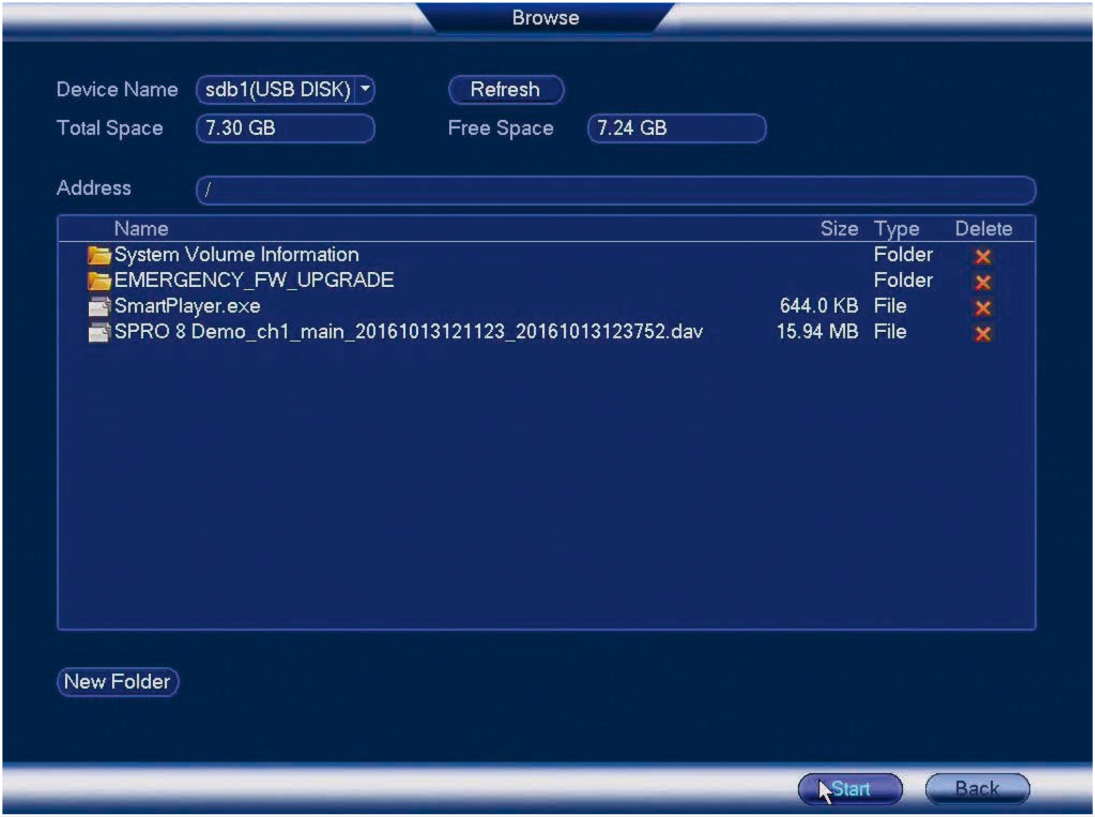


1	Name(Type)	Free Space/Total Space	Device Status
1	✓ sdb1(USB DISK)	7.24 GB/7.30 GB	Ready

1	✓	CH	Type	Start Time	End Time	Size(KB)
1	✓	2	R	12-10-16 10:00:29	12-10-16 10:36:09	549362

Space Required / Space Remaining:537.11 MB/7.24 GB

- When you click on the Backup button you will be asked to select the location on the USB device you would like to save the files to



Device Name: sdb1(USB DISK)

Total Space: 7.30 GB

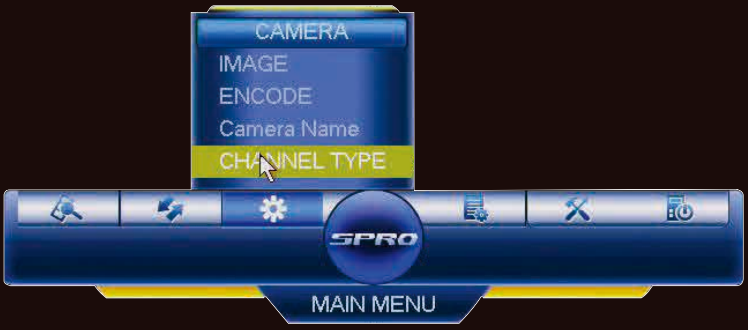
Free Space: 7.24 GB

Address: /

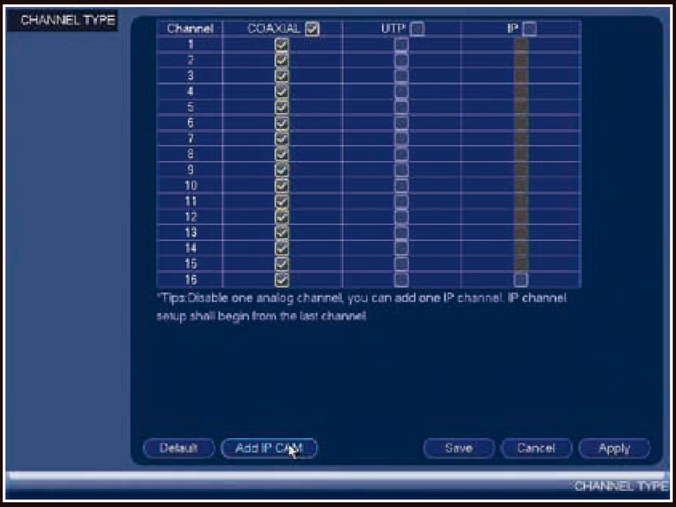
Name	Size	Type	Delete
System Volume Information		Folder	✗
EMERGENCY_FW_UPGRADE		Folder	✗
SmartPlayer.exe	644.0 KB	File	✗
SPRO 8 Demo_ch1_main_20161013121123_20161013123752.dav	15.94 MB	File	✗

- Finally click on START to back up the files.

Adding IP Camera to SPRO system /



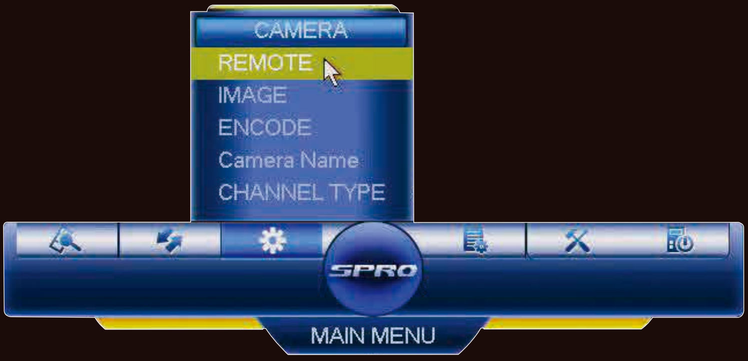
➡ Right click and select "Main Menu", "CAMERA" then "CHANNEL TYPE"



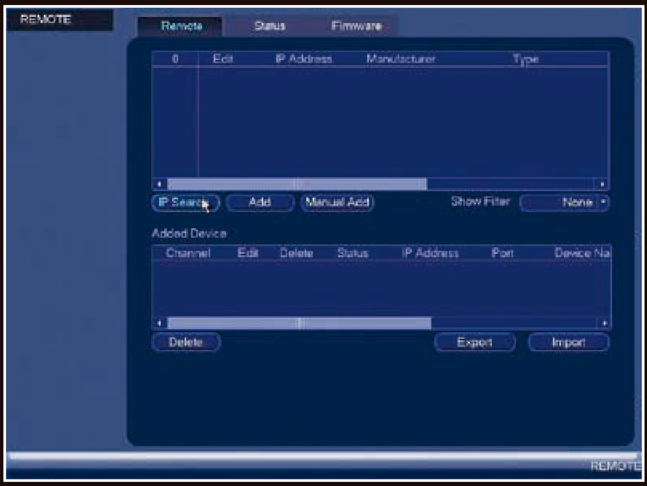
Channel	COAXIAL ☑	UTP ☐	IP ☐
1	☑	☐	☐
2	☑	☐	☐
3	☑	☐	☐
4	☑	☐	☐
5	☑	☐	☐
6	☑	☐	☐
7	☑	☐	☐
8	☑	☐	☐
9	☑	☐	☐
10	☑	☐	☐
11	☑	☐	☐
12	☑	☐	☐
13	☑	☐	☐
14	☑	☐	☐
15	☑	☐	☐
16	☑	☐	☐

*Tips:Disable one analog channel, you can add one IP channel. IP channel setup shall begin from the last channel

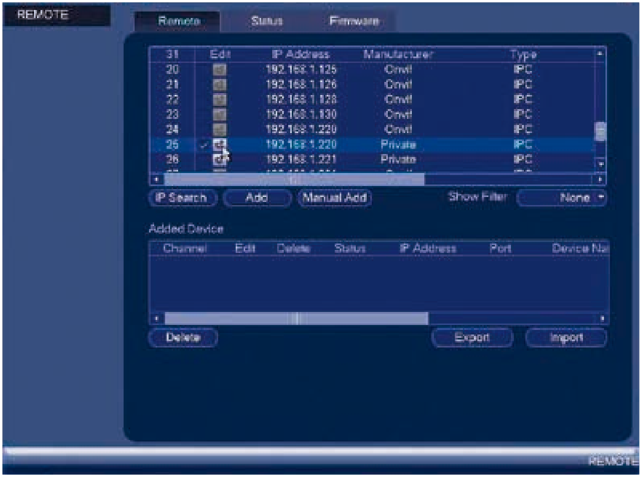
➡ Click 'Add IP Cam' and the DVR will restart.



➡ Once the DVR has rebooted, click 'remote'

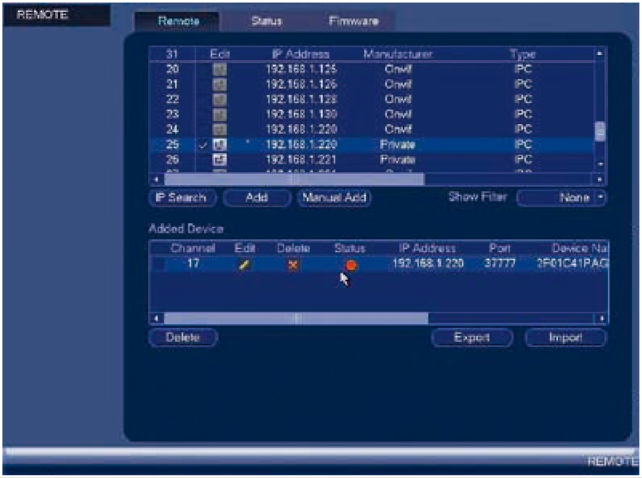


➡ Click IP Search



31	Edit	IP Address	Manufacturer	Type
20		192.168.1.125	Onvif	IPC
21		192.168.1.126	Onvif	IPC
22		192.168.1.128	Onvif	IPC
23		192.168.1.130	Onvif	IPC
24		192.168.1.220	Onvif	IPC
25	✓	192.168.1.220	Private	IPC
26		192.168.1.221	Private	IPC

➡ Select the IP Camera you want to add.
If it's an SPRO IP camera make sure you use the 'Private' manufacturer one.



31	Edit	IP Address	Manufacturer	Type
20		192.168.1.125	Onvif	IPC
21		192.168.1.126	Onvif	IPC
22		192.168.1.128	Onvif	IPC
23		192.168.1.130	Onvif	IPC
24		192.168.1.220	Onvif	IPC
25	✓	192.168.1.220	Private	IPC
26		192.168.1.221	Private	IPC

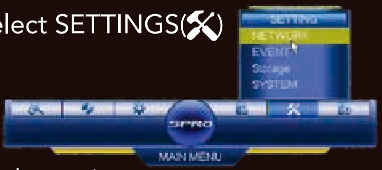
Channel	Edit	Delete	Status	IP Address	Port	Device Na
17	✎	✖	🔴	192.168.1.220	37777	2F01C41PAG

➡ The status will be 'red' wait until it turns 'green'

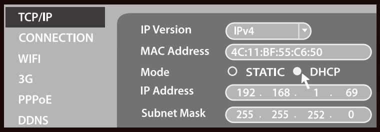
Smart Phone Viewing - Quick Setup /

* Before phone setup please make sure that the DVR is connected to the router.*

1. On the MAIN MENU select SETTINGS(⚒) and then NETWORK.

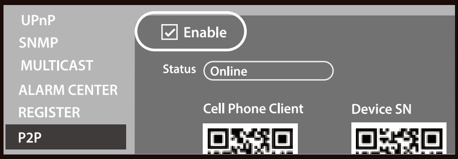


2. On the TCP/IP tab select DHCP on the Mode section.



IP Version: IPv4
MAC Address: 4C:11:BF:55:C6:50
Mode: ○ STATIC ● DHCP
IP Address: 192 . 168 . 1 . 69
Subnet Mask: 255 . 255 . 252 . 0

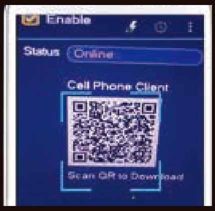
3. Select the P2P tab, if the status is offline tick the Enable box and then save. The status will now display Online.



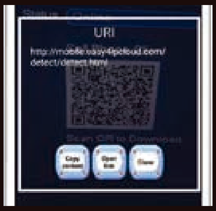
☑ Enable
Status: Online

* For the following steps you will need a QR Code reader on your phone (available on Google Play/App stores).

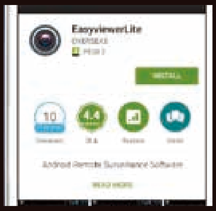
4 Scan the QR Code on the Left.



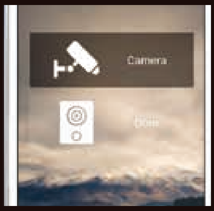
5 Open the Link for the application.



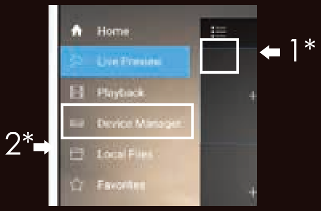
6 Install the app on your phone.



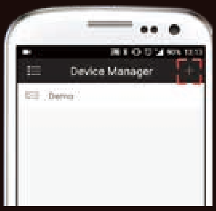
7 Open the App and choose the Camera option.



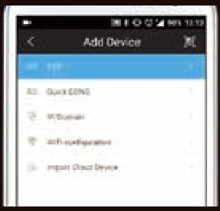
8 Select Options (1*) and Device Manager (2*).



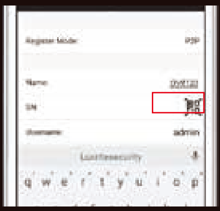
9 Select the <+> icon to add a new device.



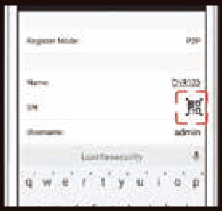
10 Select the P2P option.



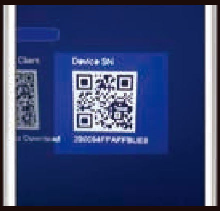
11 Give and type a name for the DVR/NVR.



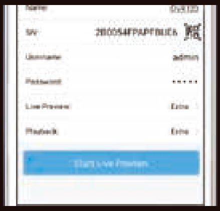
12 Select the QR Code icon.



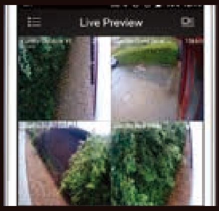
13 Scan the Right QR Code on the DVR P2P page.



14 Select <Start Live Preview>.



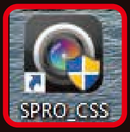
15 Enjoy viewing on your phone!.



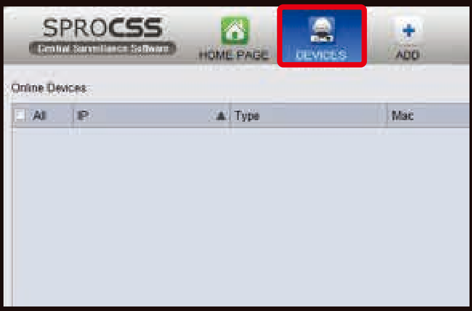
SPRO CS Software /

SPRO CS Software allows you to control the main functions of your DVR as well as viewing live images and playback from a remote PC. To Get started follow the guide below.

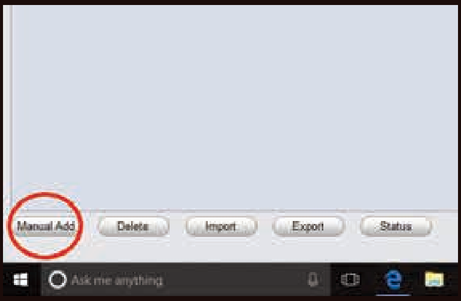
1) Select and open the application as shown below



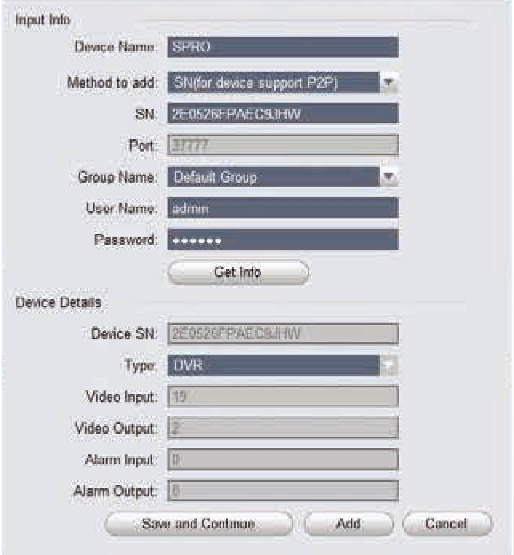
2) You will then be faced with the below screen. You will need to select "DEVICES"



3) Here you will see a screen that will display any devices that you can add that are on the network. Or you can add the device manually with "Manual Add" as shown below.



4) The following box will appear for you to enter the details for the DVR. You will need to give the device an alias. (ie: Spro 8, DVR, NVR etc) Select the method to add, which will be either "IP/Domain" or Serial Number for the P2P function. Add the port number of the DVR, and then enter the Username and Password for the DVR.



Manual Add

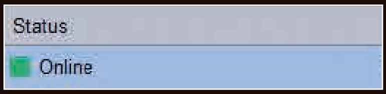
Input Info

Device Name: SPRO
Method to add: SN(for device support P2P)
SN: 2E0526FPAECSJHW
Port: 37777
Group Name: Default Group
User Name: admin
Password: ••••••

Device Details

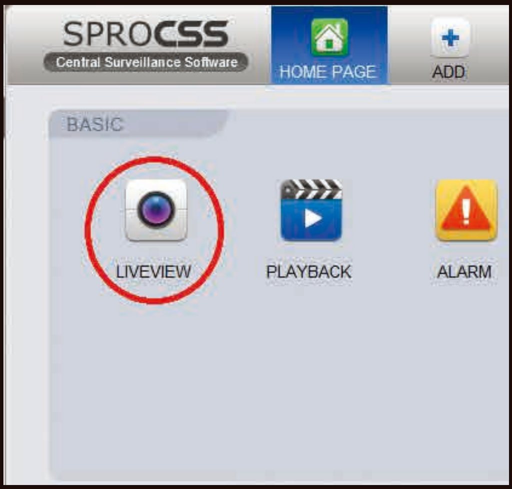
Device SN: 2E0526FPAECSJHW
Type: DVR
Video Input: 15
Video Output: 2
Alarm Input: 0
Alarm Output: 0

5) Once all info has been entered in the required fields, press the "GET INFO" button which if entered correctly, will display the information for the DVR/NVR. Then press "SAVE & CONTINUE" This will then show the device in the bottom field named "ALL DEVICES" You will then need to wait for the status to turn to "ONLINE"

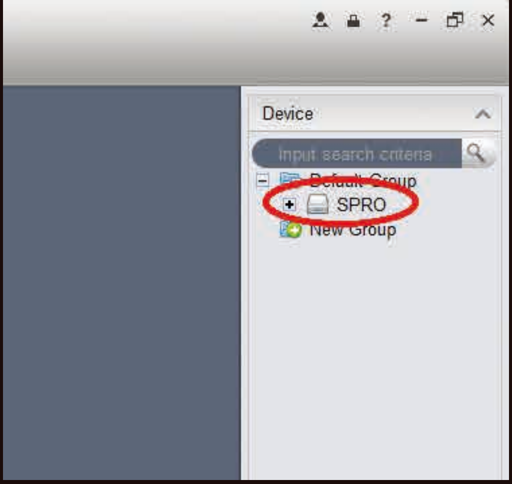


Status
🟩 Online

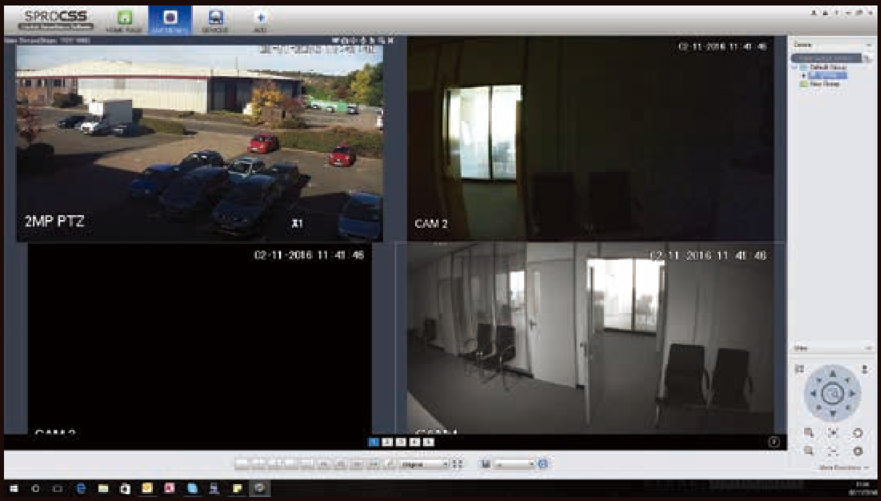
6) Return to the main menu and select "Live View"



7) You will then be taken to the "Live view" Page displayed below. From here you will need to select the device you have added and use the mouse to drag the device name onto the screen.



➡ You will now be able to view your selected DVR/NVR.



Recommended settings /

Resolution	Suggested Bit Rate	Suggested frame rate
720P	→ 2048	→ 12
1080N	→ 4096	→ 12
1080P	→ 4096	→ 15
3MP	→ 4096	→ 15

*Please note: Not all resolutions will be available on all recorders.

SPRO®

SECURITY YOU CAN TRUST