

IC-STREAMBOX Quick Guide



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Included in the Box

- 1 x STREAMBOX Unit
- 1 x 12v Power Supply
- 1 x Wireless Mouse
- 1 x Manual

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Description and Features

The IC Realtime STREAMBOX is an innovative and extremely cost effective solution for the provision of spot monitor applications among IP, Analogue and HDCVI CCTV Installations. It's the perfect solution over the traditional use of expensive, service intensive often bulky PC solutions or the use of limited function single input decoders. The appliance is extremely ergonomic in design and installation and configuration can be carried out quickly without any disruption. The STREAMBOX runs completely independent to the recorder or VMS environment. Setup and maintenance is done via the local on screen interface using the supplied wireless USB mouse or the Web Management Interface.

The STREAMBOX is available as 8 or 16 channels versions which offer performance of 8 or 16 channels of ONVIF streaming with direct driver support for other camera manufacturers. Compact in size and measuring only 190x155x45mm (WxDxH) the appliance can be installed discretely behind public display monitors or above ceiling tiles. Incorporated in the STREAMBOX are HDMI, VGA & BNC Video outputs allowing for connectivity to all types of monitors. This ensures effective cost management where existing screens can be utilised when migrating from Analogue to IP or HDCVI technologies. The IC-STREAMBOX is compatible IC Realtime recorders (Analogue, HDCVI, Hybrid, Tri-Tech and IP NVRs) and IP Cameras and also direct support for some 3rd party manufacturers such as Panasonic, Sony and many more.

Main Features

- Embedded Linux OS
- Local GUI with simple setup (Wireless Mouse Included)
- H.264 / MPEG-4 Compression
- HDMI / VGA / BNC Video Outputs
- Auto switch to main stream when in full screen mode
- Web Browser Management Page
- PTZ and Alarm I/O support
- Compact Design

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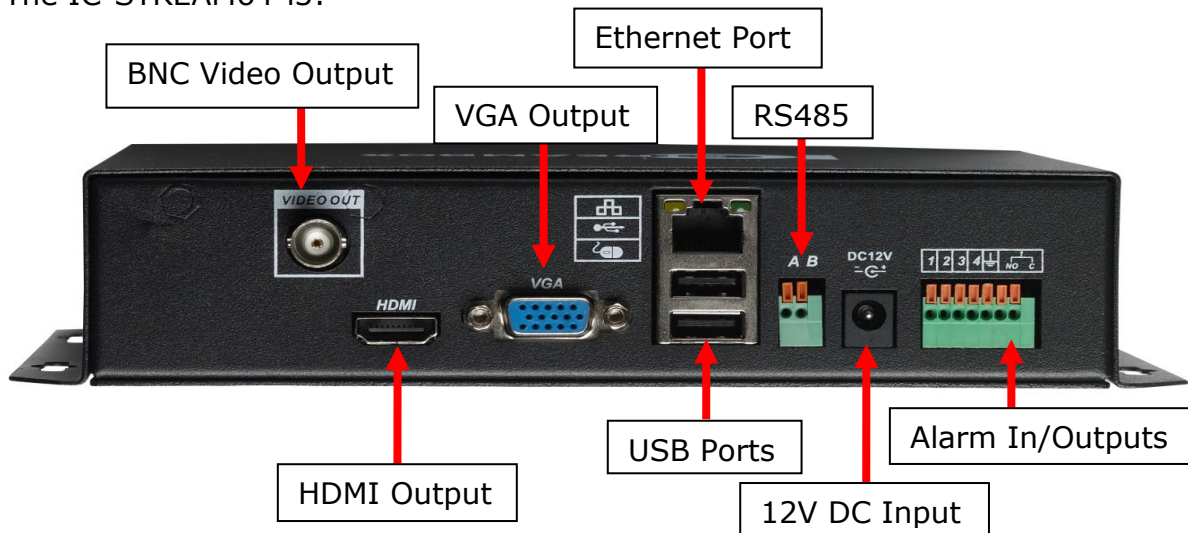
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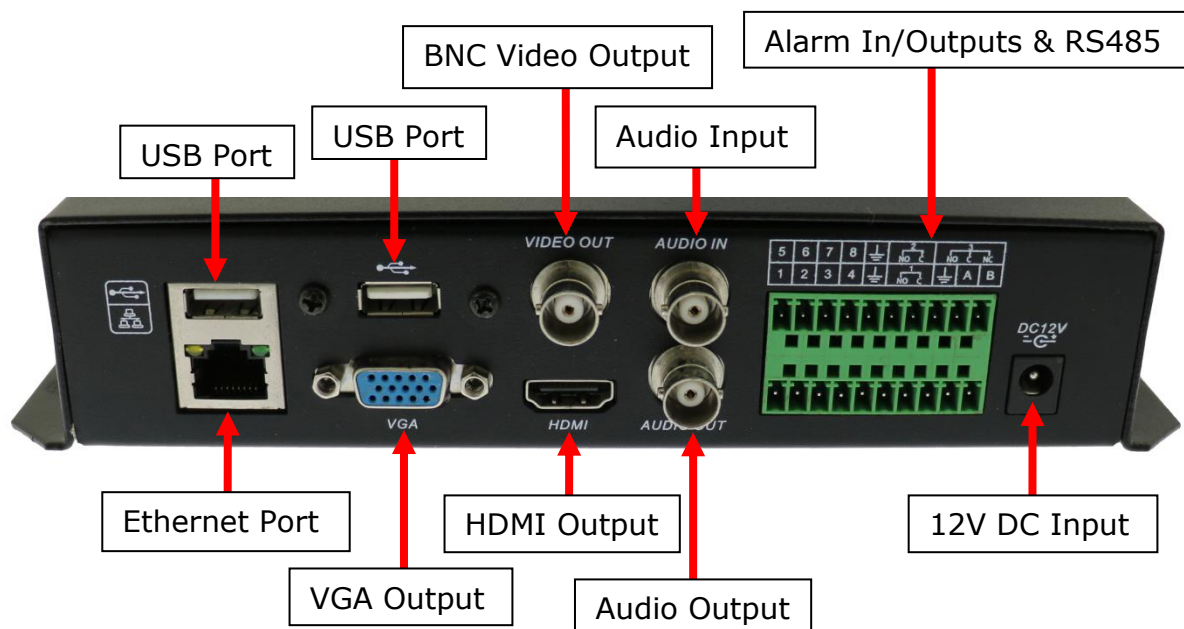
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Physical Overview

The IC-STREAM64-i3:



The STREAM-2s-016:



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Default Login Credentials

The default usernames and passwords for the IC-STREAMBOX are as follows:

Admin Account – Full Access

Username: admin

Password: admin

User Account – Restricted Access

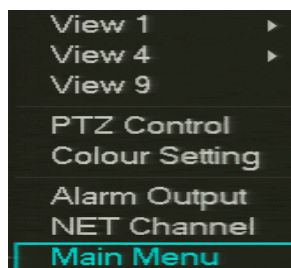
Username: user

Password: user

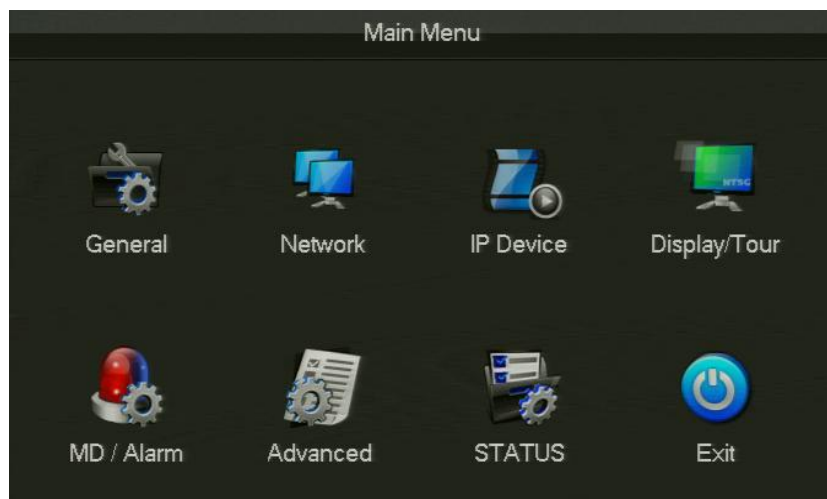
OSD Menu Walkthrough

- **Accessing the Main Menu**

To access the main menu right click on the mouse and select 'Main menu':



- **Main Menu:**



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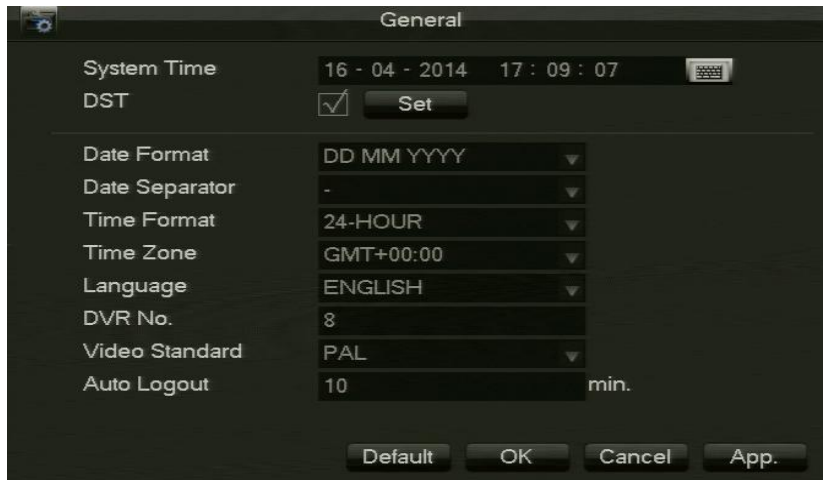
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- **General:**

General

System Time: 16 - 04 - 2014 17 : 09 : 07

DST: ☒ **Set**

Date Format: DD MM YYYY

Date Separator: -

Time Format: 24-HOUR

Time Zone: GMT+00:00

Language: ENGLISH

DVR No.: 8

Video Standard: PAL

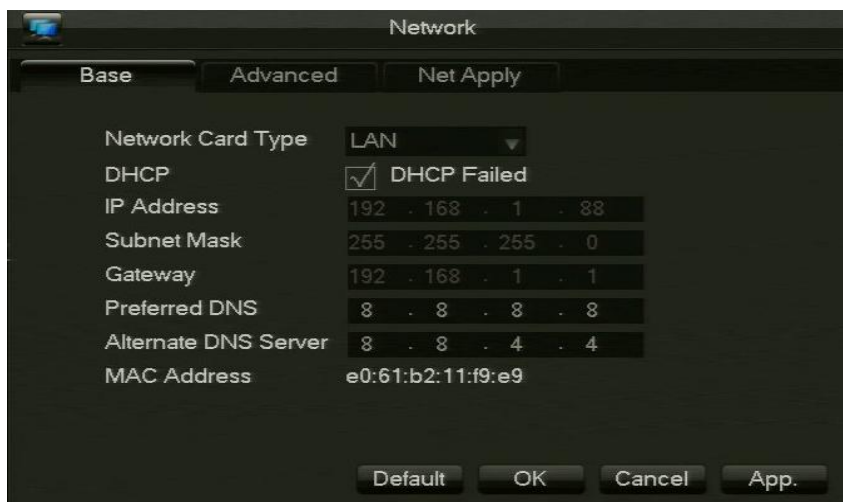
Auto Logout: 10 min.

Default OK Cancel App.

- **Network:**



- **Network > Base:**



Network

Base Advanced Net Apply

Network Card Type: LAN

DHCP: ☒ **DHCP Failed**

IP Address: 192 . 168 . 1 . 88

Subnet Mask: 255 . 255 . 255 . 0

Gateway: 192 . 168 . 1 . 1

Preferred DNS: 8 . 8 . 8 . 8

Alternate DNS Server: 8 . 8 . 4 . 4

MAC Address: e0:61:b2:11:f9:e9

Default OK Cancel App.

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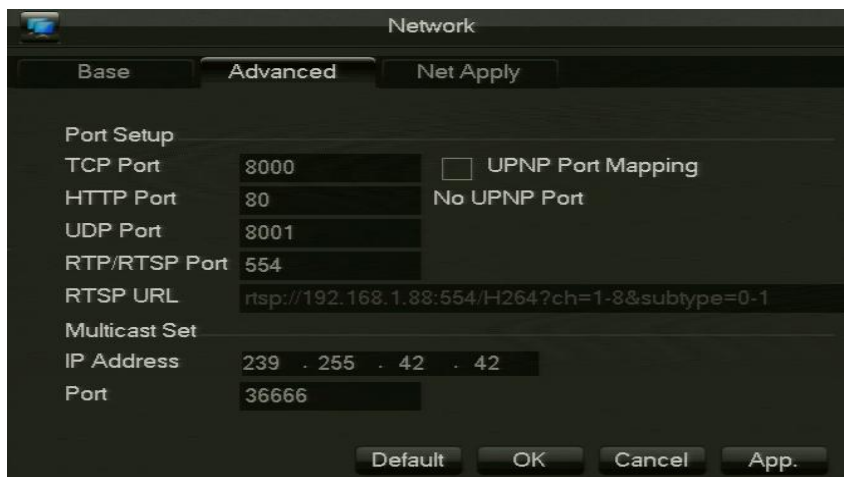
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- **Network > Advanced:**



Network

Base Advanced Net Apply

Port Setup

TCP Port 8000 ☐ UPNP Port Mapping

HTTP Port 80 No UPNP Port

UDP Port 8001

RTP/RTSP Port 554

RTSP URL rtsp://192.168.1.88:554/H264?ch=1-8&subtype=0-1

Multicast Set

IP Address 239 . 255 . 42 . 42

Port 36666

Default OK Cancel App.

- **Network > Net Apply:**



Network

Base Advanced Net Apply

DDNS Setting

Email Setting

FTP Setting

NTP Setting

IP Filter Setting

Net Transfer Ability Setting

Alarm Server Setting

OK Cancel

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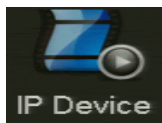
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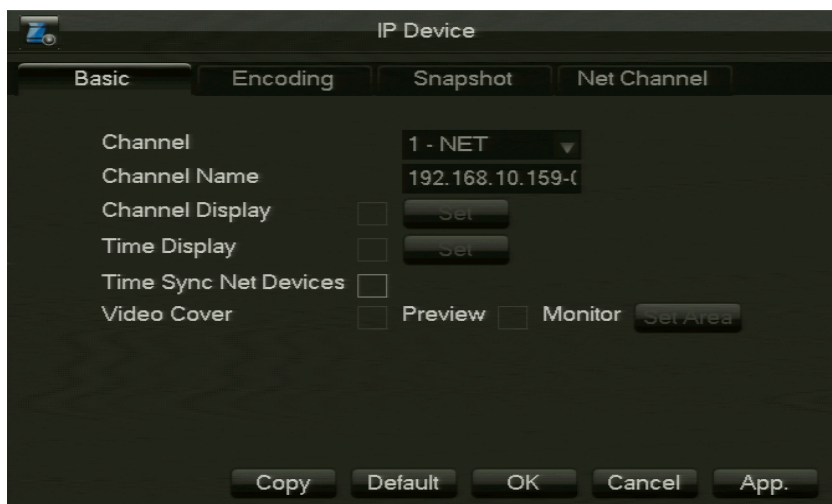
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- **IP Device:**



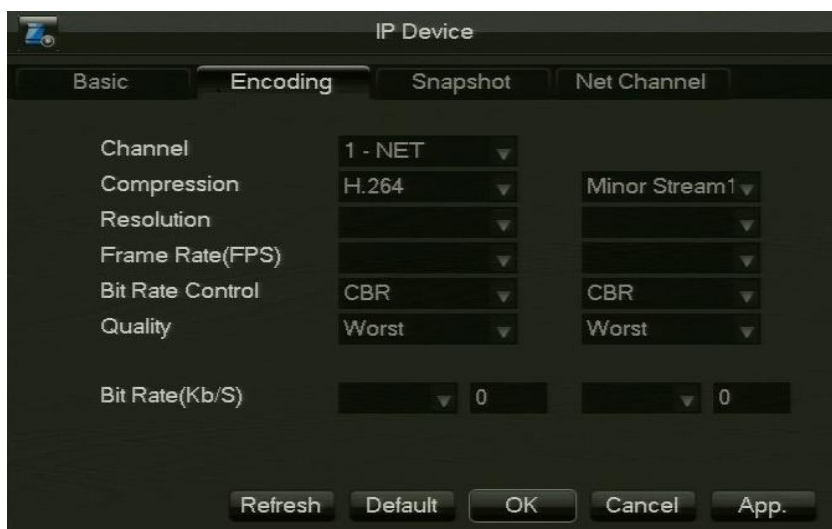
- **IP Device > Basic:**



The screenshot shows the 'IP Device' configuration window with the 'Basic' tab selected. The window has a title bar with the IC Realtime logo and the text 'IP Device'. Below the title bar are four tabs: 'Basic', 'Encoding', 'Snapshot', and 'Net Channel'. The 'Basic' tab contains the following settings:

- Channel: 1 - NET (dropdown)
- Channel Name: 192.168.10.159-0 (text field)
- Channel Display: ☐ (checkbox)
- Time Display: ☐ (checkbox)
- Time Sync Net Devices: ☐ (checkbox)
- Video Cover: ☐ (checkbox)
- Preview: ☐ (checkbox)
- Monitor: ☐ (checkbox)
- Buttons: Copy, Default, OK, Cancel, App.

- **IP Device > Encoding:**



The screenshot shows the 'IP Device' configuration window with the 'Encoding' tab selected. The window has a title bar with the IC Realtime logo and the text 'IP Device'. Below the title bar are four tabs: 'Basic', 'Encoding', 'Snapshot', and 'Net Channel'. The 'Encoding' tab contains the following settings:

- Channel: 1 - NET (dropdown)
- Compression: H.264 (dropdown)
- Resolution: (dropdown)
- Frame Rate(FPS): (dropdown)
- Bit Rate Control: CBR (dropdown)
- Quality: Worst (dropdown)
- Bit Rate(Kb/S): (dropdown) 0 (text field)
- Buttons: Refresh, Default, OK, Cancel, App.

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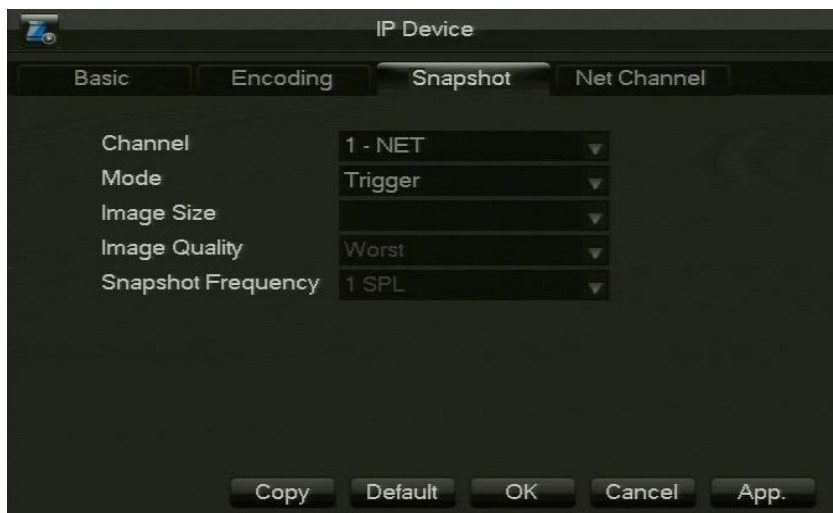
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- **IP Device > Snapshot:**



IP Device

Basic Encoding **Snapshot** Net Channel

Channel 1 - NET

Mode Trigger

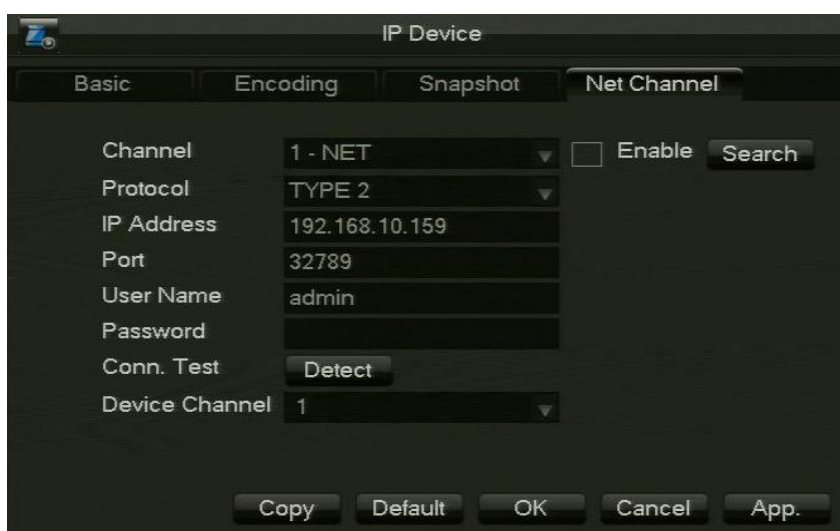
Image Size

Image Quality Worst

Snapshot Frequency 1 SPL

Copy Default OK Cancel App.

- **IP Device > Net Channel:**



IP Device

Basic Encoding Snapshot **Net Channel**

Channel 1 - NET ☐ Enable Search

Protocol TYPE 2

IP Address 192.168.10.159

Port 32789

User Name admin

Password

Conn. Test Detect

Device Channel 1

Copy Default OK Cancel App.

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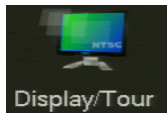
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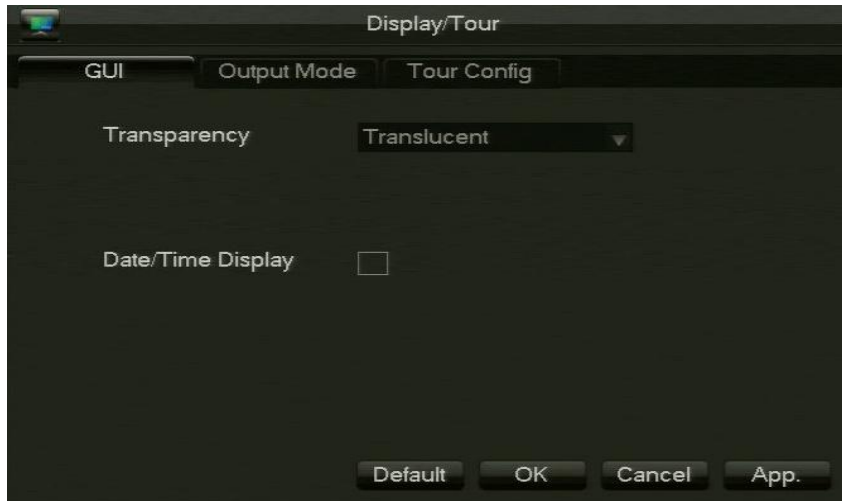
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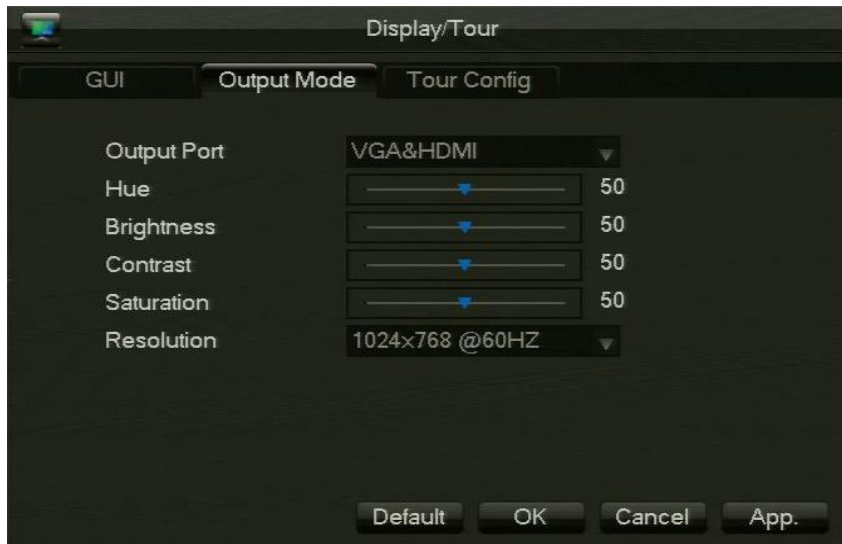
- **Display/Tour:**



- **Display/Tour > GUI:**



- **Display/Tour > Output Mode:**



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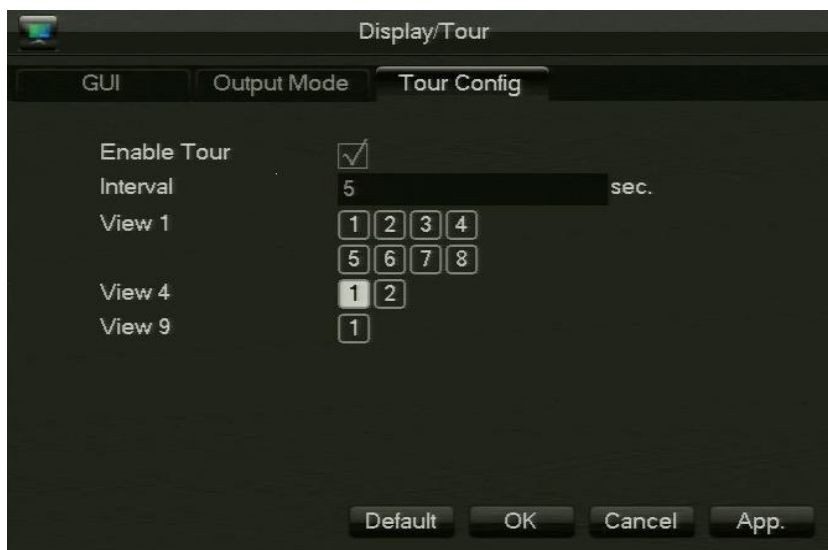
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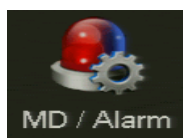
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- **Display/Tour > Tour Config:**



- **MD/Alarm:**



- **MD/Alarm > Detect:**



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- **MD/Alarm > Alarm Input:**

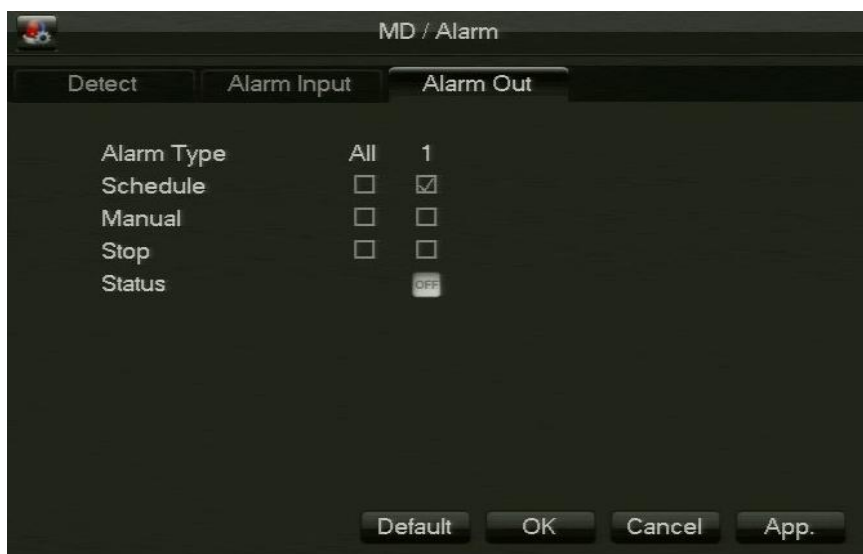


The screenshot shows the 'MD / Alarm' configuration window with the 'Alarm Input' tab selected. The window has three tabs: 'Detect', 'Alarm Input', and 'Alarm Out'. The 'Alarm Input' tab contains the following settings:

- Alarm Input Channel No.: 1 (dropdown menu)
- Enable: ☒
- Type: Normal Open (dropdown menu)
- Process: Setting (button)
- Linkage Set: Setting (button)

At the bottom of the window are buttons for 'Preferences Start', 'Copy', 'Default', 'OK', 'Cancel', and 'App.'.

- **MD/Alarm > Alarm Out:**



The screenshot shows the 'MD / Alarm' configuration window with the 'Alarm Out' tab selected. The window has three tabs: 'Detect', 'Alarm Input', and 'Alarm Out'. The 'Alarm Out' tab contains the following settings:

- Alarm Type: All 1
- Schedule: ☐ ☒
- Manual: ☐ ☐
- Stop: ☐ ☐
- Status: OFF (button)

At the bottom of the window are buttons for 'Default', 'OK', 'Cancel', and 'App.'.

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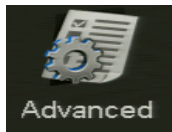
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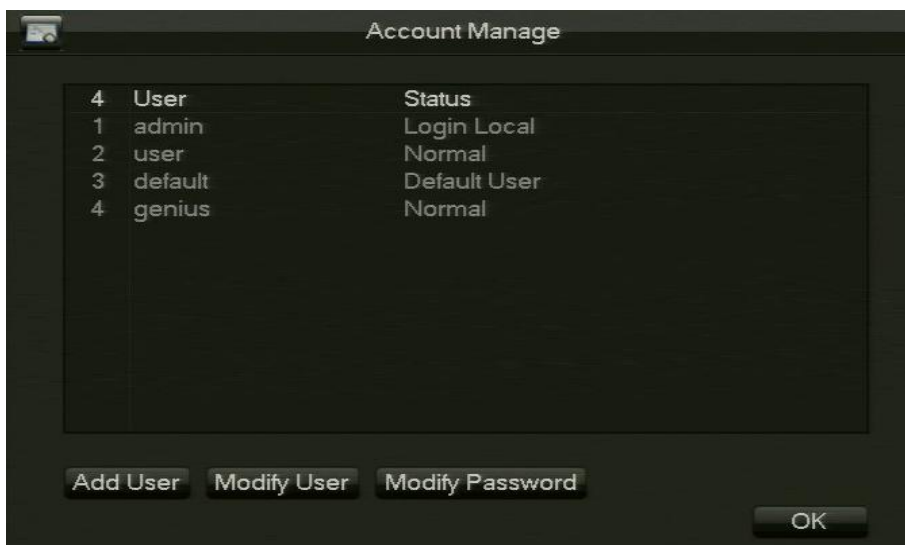
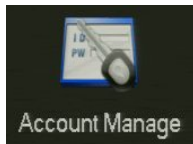
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- **Advanced:**



- **Advanced > Account Manage:**



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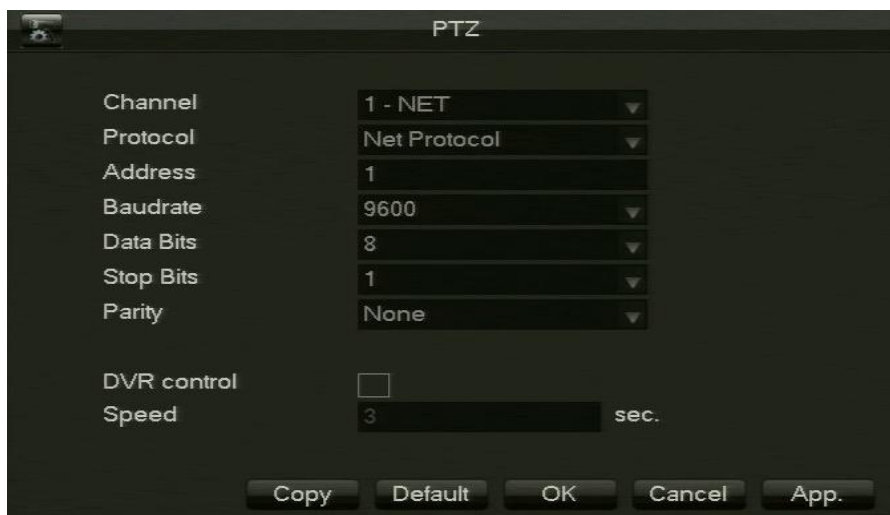
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- **Advanced > PTZ:**

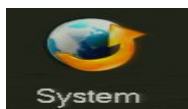



PTZ

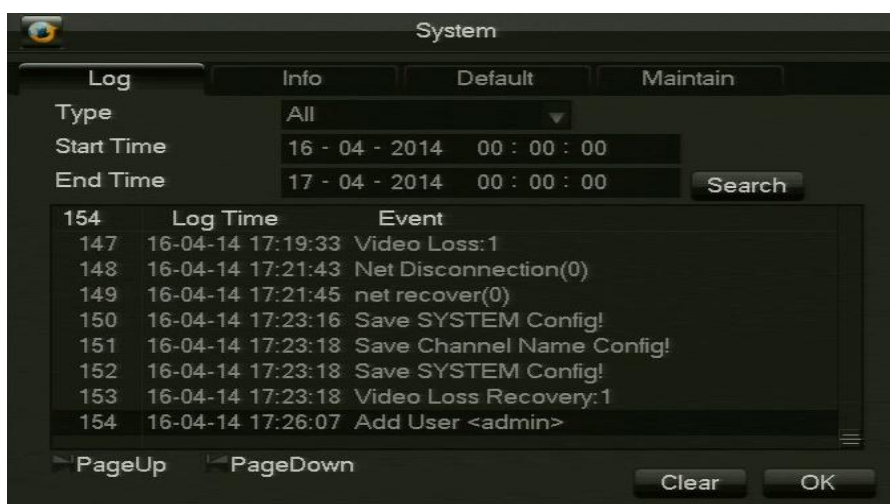
Channel	1 - NET
Protocol	Net Protocol
Address	1
Baudrate	9600
Data Bits	8
Stop Bits	1
Parity	None
DVR control	<input type="checkbox"/>
Speed	3 sec.

Copy Default OK Cancel App.

- **Advanced > System:**



- **System > Log:**



System

Log Info Default Maintain

Type All

Start Time 16 - 04 - 2014 00 : 00 : 00

End Time 17 - 04 - 2014 00 : 00 : 00 Search

154	Log Time	Event
147	16-04-14 17:19:33	Video Loss: 1
148	16-04-14 17:21:43	Net Disconnection(0)
149	16-04-14 17:21:45	net recover(0)
150	16-04-14 17:23:16	Save SYSTEM Config!
151	16-04-14 17:23:18	Save Channel Name Config!
152	16-04-14 17:23:18	Save SYSTEM Config!
153	16-04-14 17:23:18	Video Loss Recovery: 1
154	16-04-14 17:26:07	Add User <admin>

PageUp PageDown Clear OK

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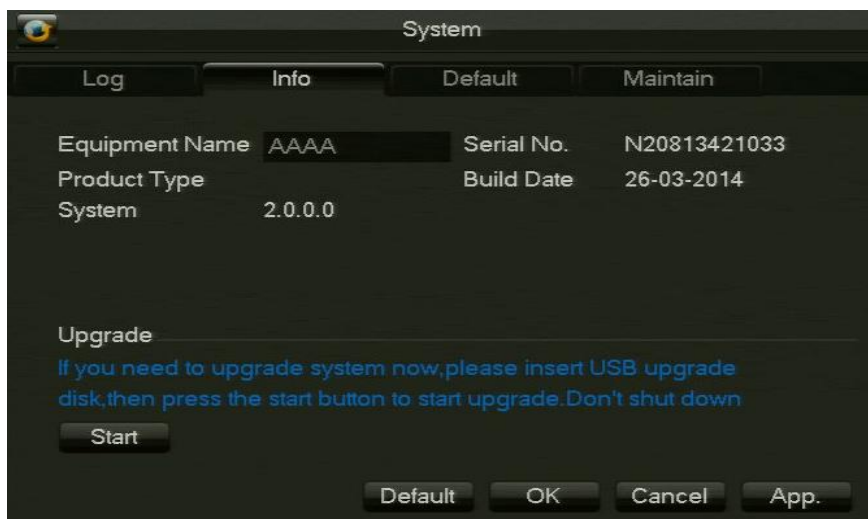
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- **System > Info:**

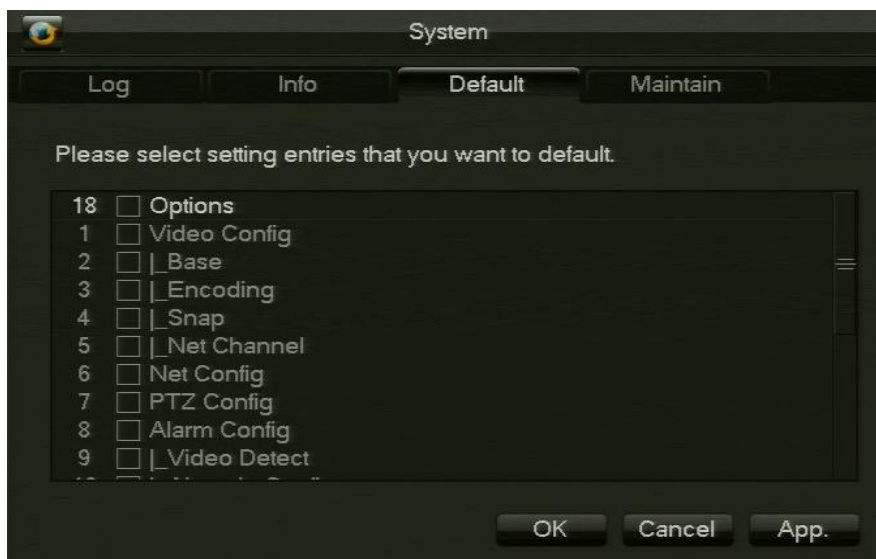


The screenshot shows the 'System' window with the 'Info' tab selected. It displays the following information:

Equipment Name	AAAA	Serial No.	N20813421033
Product Type		Build Date	26-03-2014
System	2.0.0.0		

Below the table, there is an 'Upgrade' section with the text: "If you need to upgrade system now, please insert USB upgrade disk, then press the start button to start upgrade. Don't shut down". A 'Start' button is located below this text. At the bottom of the window are buttons for 'Default', 'OK', 'Cancel', and 'App.'.

- **System > Default:**



The screenshot shows the 'System' window with the 'Default' tab selected. It displays a list of settings to be configured:

18	<input type="checkbox"/> Options
1	<input type="checkbox"/> Video Config
2	<input type="checkbox"/> _Base
3	<input type="checkbox"/> _Encoding
4	<input type="checkbox"/> _Snap
5	<input type="checkbox"/> _Net Channel
6	<input type="checkbox"/> Net Config
7	<input type="checkbox"/> PTZ Config
8	<input type="checkbox"/> Alarm Config
9	<input type="checkbox"/> _Video Detect

At the bottom of the window are buttons for 'OK', 'Cancel', and 'App.'.

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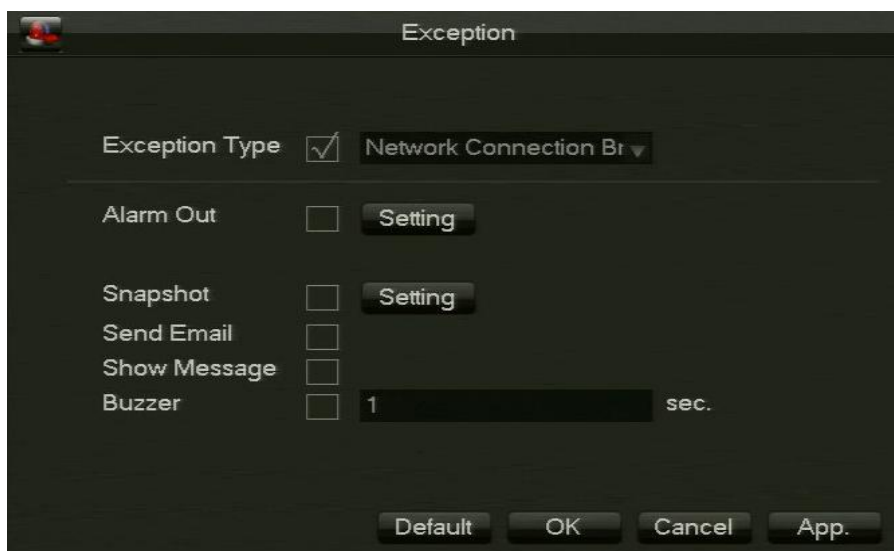
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- **System > Maintain:**



- **Advanced > Exception:**



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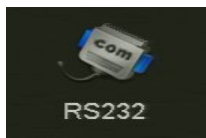
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- **Advanced > RS232:**

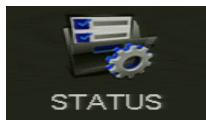



RS232

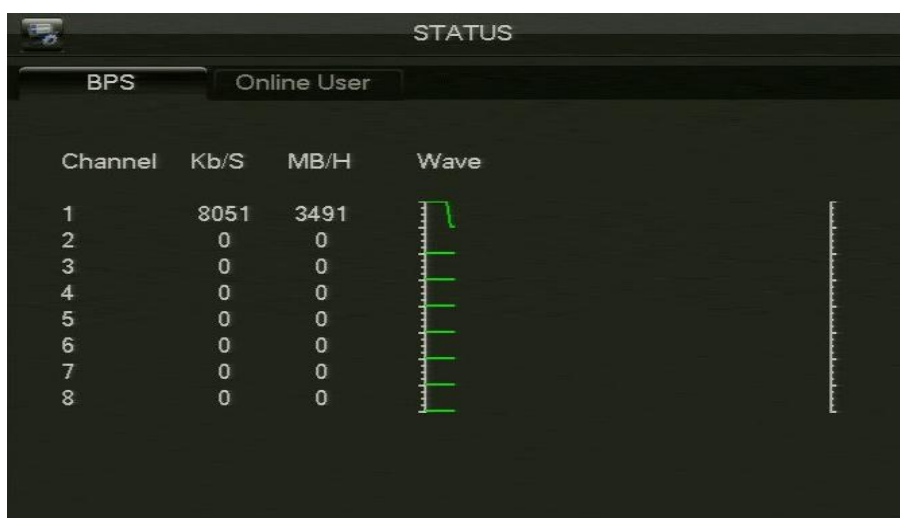
Function	Console
Baudrate	115200
Data Bits	8
Stop Bits	1
Parity	None

Default OK Cancel App.

- **STATUS:**



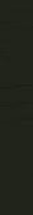

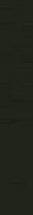
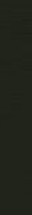

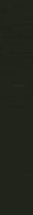


- **STATUS > BPS:**



STATUS

BPS Online User

Channel	Kb/S	MB/H	Wave
1	8051	3491	
2	0	0	
3	0	0	
4	0	0	
5	0	0	
6	0	0	
7	0	0	
8	0	0	

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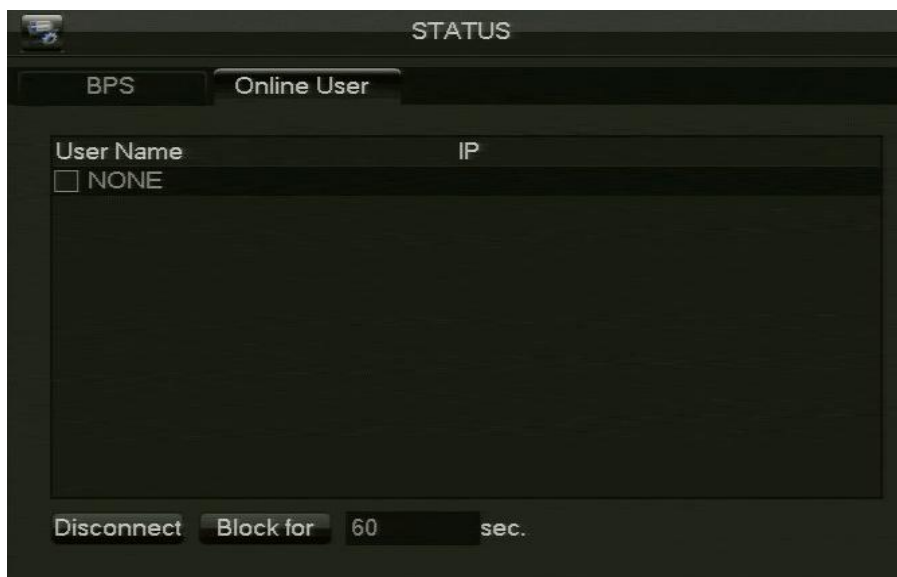
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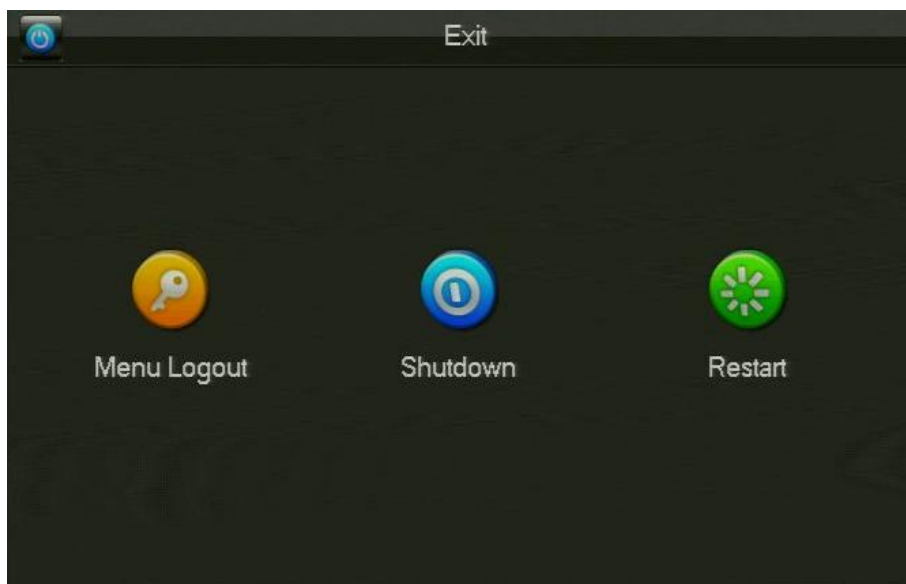
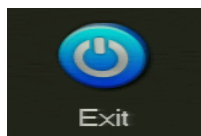
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- **STATUS > Online User:**



- **EXIT:**



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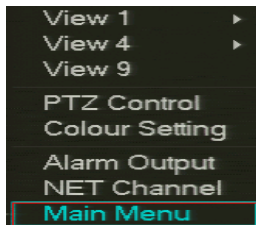
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Network Setup

Connecting the IC-stream64-i3 to your network is achievable in a few short Steps, to do this do the following:

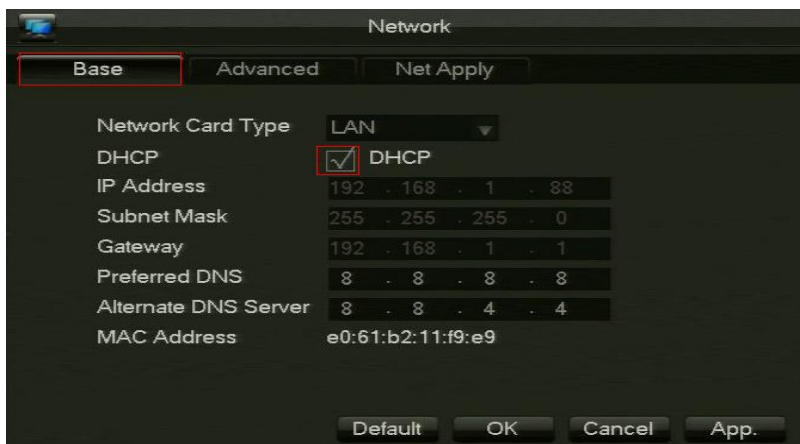
1. Right click on the mouse and go to 'Main Menu':



2. Go to 'Network':



3. Under the 'Base' tab tick the 'DHCP' box:



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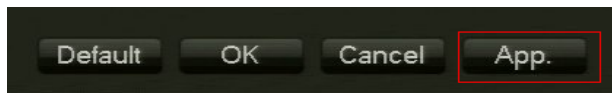
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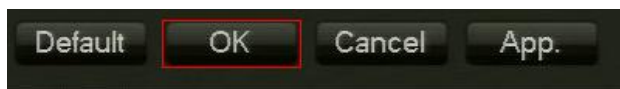
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4. Then click 'Apply':



Note: Un-tick the 'DHCP' box once you have a valid IP address if you intend on using the remote viewing feature.

5. Click 'OK':



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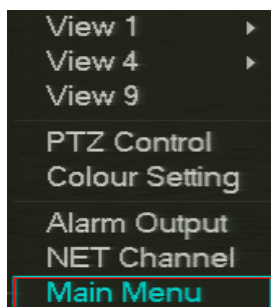
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Adding IP Cameras

Adding IP camera's to the IC-Stream64-i3 is quick and easy just follow the below steps.

1. Right click on the mouse and go to 'Main menu':



2. Click on 'IP Device':



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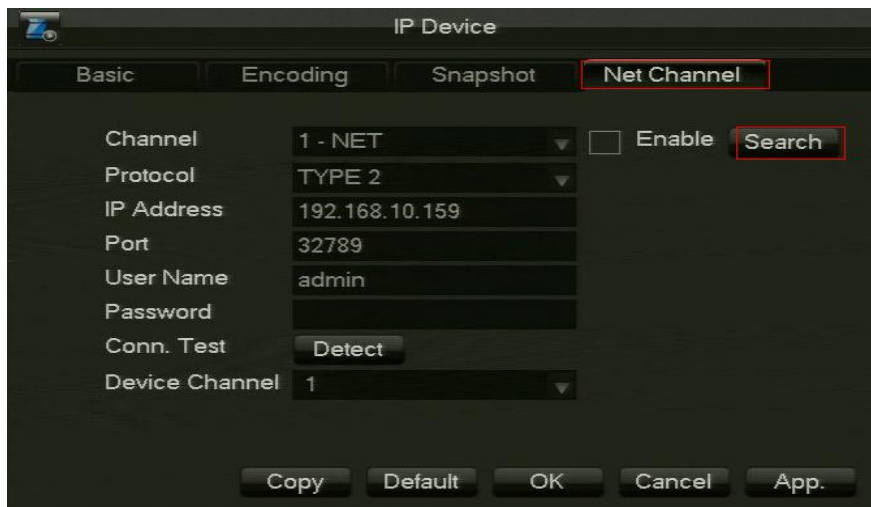
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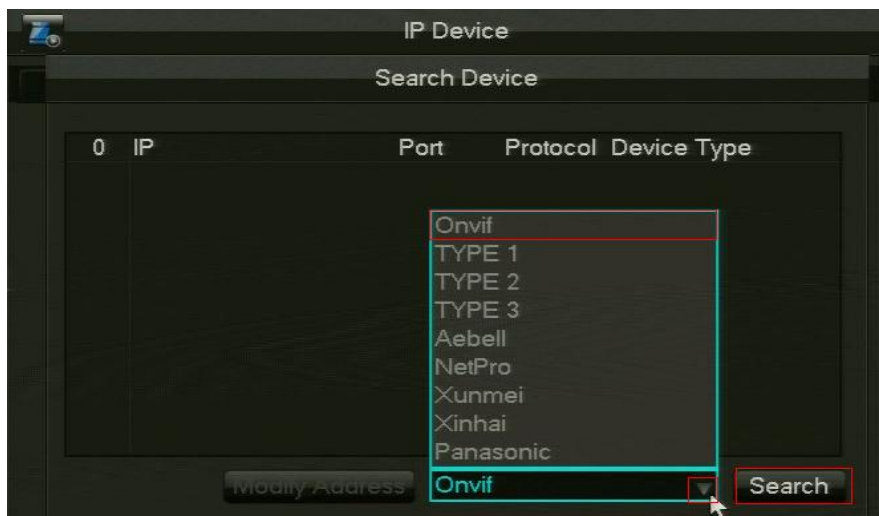
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3. Under the 'Net Channel' tab click on 'Search':



4. Select 'Onvif' from the protocol drop-down menu then click 'Search':

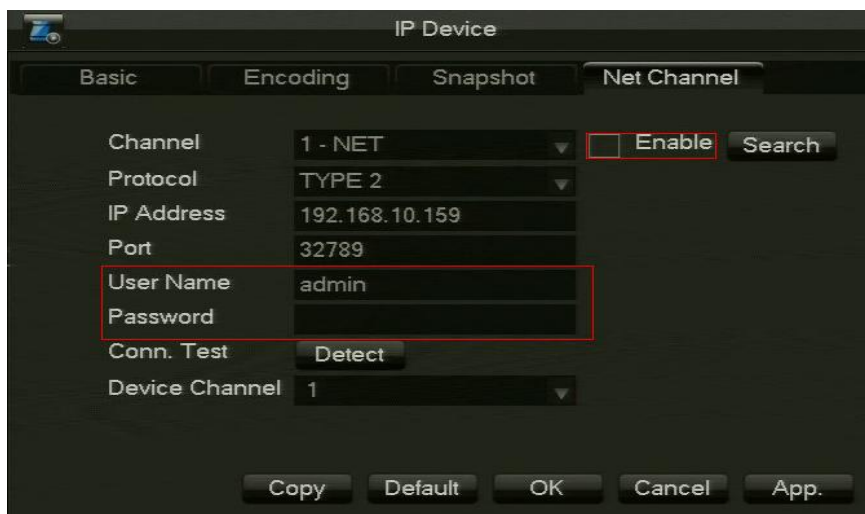


Note: All IC Realtime cameras are Onvif compatible but if using 3rd party cameras with the STREAMBOX you will need to select a compatible protocol for each device.

5. Double click on the IP camera in the list you want to add:



6. Enter the login details of the camera and tick the 'Enable' box:

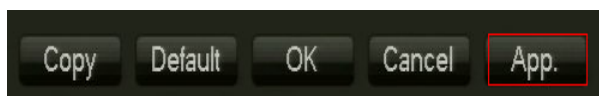


7. Click on 'Detect' to test:

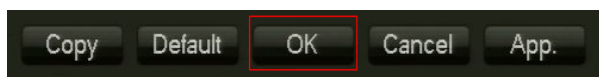


Note: If the test is successful you will get the 'Detect OK!' message as can be seen in the above image.

8. Click 'App.' To apply the settings:



9. Click 'OK':



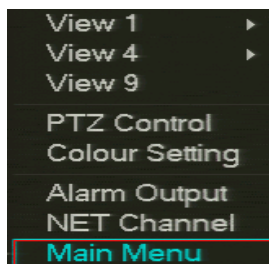
Note: You can also utilise the 3rd stream from supported IPC's using the RTSP protocol and the entering the string below into the IP address field:

rtsp://IP Address:554/cam/realmonitor?channel=1&subtype=2

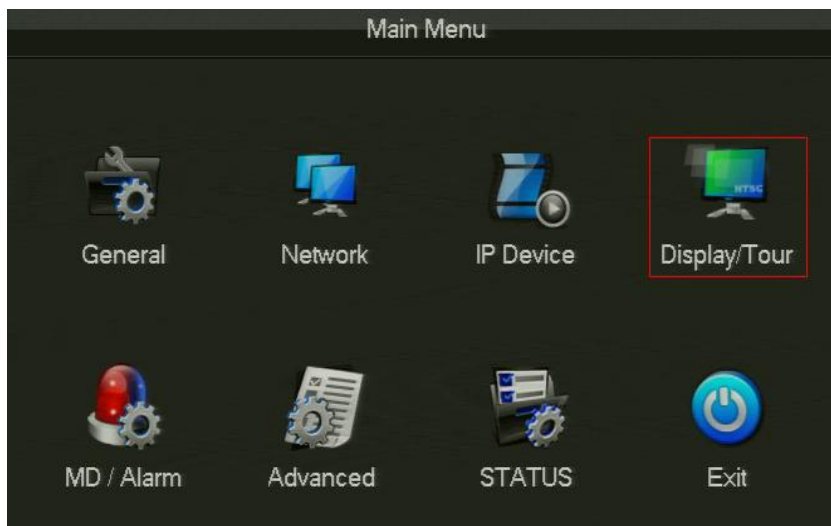
Enabling the Tour Feature

The tour feature auto cycles through user defined custom display views after Set intervals. To enable this feature follow the below steps.

1. Right click on the mouse and go to 'Main menu':



2. Go to 'Display/Tour':



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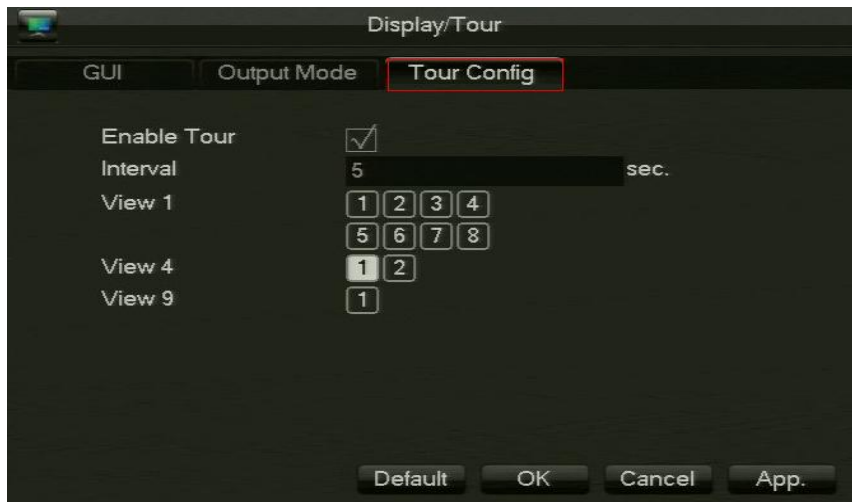
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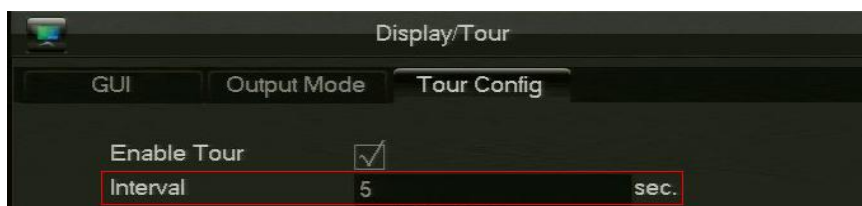
3. Go to the 'Tour Config' tab:



4. Then tick 'Enable Tour':

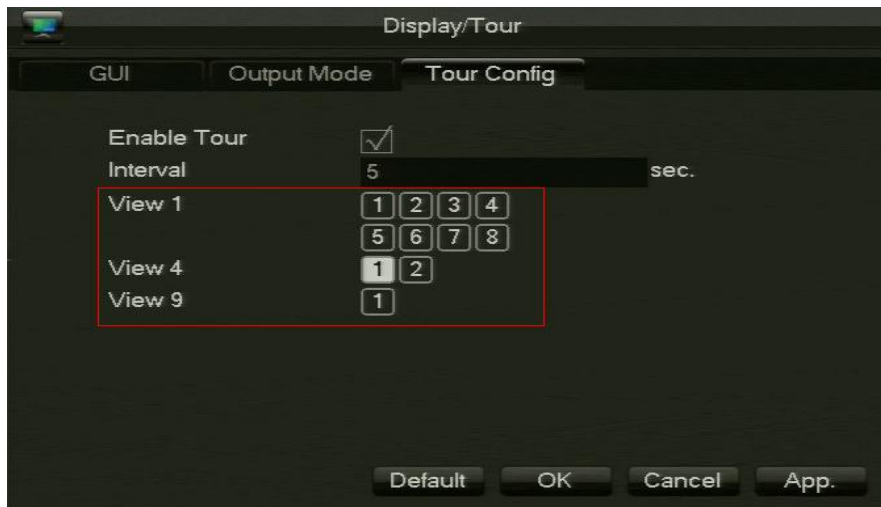


5. Select the 'Interval' between each view cycle:



Note: Interval delay is in seconds the default is 5 seconds between each view cycle.

6. Now select the view and tick the channel numbers you want to see on your tour:



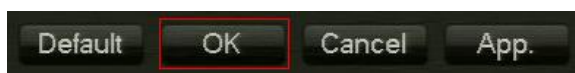
- **View 1:** (View one window) single camera after each interval.
- **View 4:** (View four windows) four cameras after each interval.
- **View 9:** (View nine windows) view all cameras.


Note: Selecting numbers 1 to 8 on 'View 1' enables the channels to be viewable on the tour e.g. if you do not want to see certain channels on your tour just leave them un-ticked. On 'View 4' the number 1 is for channels 1 to 4 and number 2 is for 5 to 8, again un-tick the channels you do not wish to see on the tour.

7. When finished click 'App':



8. Then 'OK' to save:



Note: When the tour is enabled and cycling through views you can lock the current view at any stage by clicking the  symbol in the top right hand corner of the display.