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IP & HDCVI Recording Quick Install Guide

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IP RANGE Our IP range offers improved image quality and features

such as dual streaming and PoE support. Whether a first time installer or advanced user, our IP cameras always provide the right solution.

Pages 4-17 of this guide are for the installation of both the VR-JA0401TP & VR-JA1602VP IP Recorders.

Installation for HDCVI recorders can be found on page 18.



Default Settings

Listed below are the default settings for some of the options within the system.

HDMI/VGA Resolution	1280x720
Language	English
Account Name	admin
Account Password	123456
HDD Overwrite	On
Auto Logout	Off
IP Address	192.168.1.88
HTTP Port	80
TCP Port	8000
POE Switch Address (16 Channel Only)	192.168.2.88
Record Schedule	Continuous Record (24/7)

CAT-5 Wiring

T-568 Wiring Standard

It is extremely important to follow the T-568 wiring standard when terminating RJ45 connectors. Failure to follow the T-568 standard will result in connection and reliability issues.



T-568 wiring example

Using custom colour arrangements WILL result in reliability issues.



The maximum transmission distance for Ethernet and POE is 100m.

Average record times

Resolution Per camera	FPS Per camera	Quality Per camera	No. of Cameras	HDD Size	No. of Days Recording
1080P	25	High	4	2TB	5
1080P	25	Medium	4	2TB	11
1080P	12	High	4	2TB	11
1080P	12	Medium	4	2TB	22

Resolution Per camera	FPS Per camera	Quality Per camera	No. of Cameras	HDD Size	No. of Days Recording
720P	25	High	4	2TB	11
720P	25	Medium	4	2TB	22
720P	12	High	4	2TB	22
720P	12	Medium	4	2TB	44



Startup Wizard

On first boot up the system will display the startup wizard, this covers basic settings such as Network & User Accounts.

The menu displayed below will be shown at the beginning of the Start Up Wizard.

General



Using a QR Reader app on a mobile device, the relevant QR codes on screen can be scanned to download the mobile application for your device.

Enter the default Username & Password (123456 for admin) to continue through the Setup Wizard process.

Untick Activate when reboot to prevent the Startup Wizard from appearing in future.

Net

	Stanup wizard	
STEP 1 HELP	STEP 2 NET	STEP 3 USER
DHCP		P2P Account Info
IP Address	192 . 168 . 1 . 88	
Subnet Mask	255 255 255 0	
Gateway	192 . 168 . 1 . 1	
AUTO DNS		
DNS1	8 . 8 . 8 . 8	
DNS2	192 · 168 · 1 · 1]
	* 🏉	s 🧾 🗕
P2P ID 0027a4	1c Password NoPkZH	
Activate when	reboot	Provinue Next Stor

For simple network setup, enable the DHCP option. Click **Save** and then the *s* icon.

If setup was successful, the network indicator lines should change from a 🚾 to a solid green line.

It should now be possible to connect to the NVR via the VSS app using the P2P Account Info QR code and P2P ID & Password. Remote access is covered further on page 16.



By default there are two accounts preset in the system, an admin account and a user account. Both these accounts have a default password of 123456. Each users password can be changed by clicking the Modify Password button. New users can be added to the system using the Add User button. Note: It is highly recommended that the default passwords are changed for security purposes.

NVR/DVR Main Menu

User

The main menu is split into three different categories



Operation	These are functional options such as Playbo
Info	Provides information such as PoE load, syste
Setting	These items contain the settings for the system



ack

em version etc.

em, split into six categories

IRLAB CAMERA SETUP

4 Channel VR-JA0401TP

IRLAB cameras support Plug and Play, this means that usually only minimal configuration is required.

To automatically add the IRLAB cameras to the system using the Plug and Play feature, go to Main Menu > Channel > IP Channel and select the **Open UPnP** button.

Any IRLAB cameras detected should now be automatically added to the system.

CHANNEL	5	NETWOR	rk 🙍	EVENT	我 ST	ORAGE	🕵 sys	ТЕМ	* A
IP Channel		Add/Del	Status	IP/DoMain	Port	WebPort	Protocol	Edit	Advanced
	01			30:57:ac:00:8d:83	85		IRLAB		
Basic	D 02			30:57:ac:00:9f:47	85		IRLAB		
	1 03			192,168,2,101	85	80	ONVIF		
Encode	04		۲	192.168.2.102	85	80	IRLAB		
Encode	05		۲	192.168.2.103	37777	80	TYPE2		
	06			30:57:ac:00:82:c4	85		ONVIF		
Snapshot	07			192.168.2.110	37777	80	TYPE2		
	6 08			30:57:ac:00:5e:86	85		ONVIF		
P/T/7	09			192.168.2.111	37777	80	TYPE2		
11112	1 0			30:57:ac:00:82:2e	85		IRLAB		
	11			192.168.2.112	37777	80	TYPE2		
Detect	12			30:57:ac:00:5d:f0	85		ONVIF		
	13			192.168.2.113	37777	80	TYPE2		
Smart	01	+		192.168.0.9	37777	80	TYPE2		1
	02			192.168.1.112	37777	80	TYPE2		
1. J. O. A.L	03			192.168.1.116	37777	80	TYPE2		
lode Switch	04			192.168.5.120	37777	80	TYPE2		
	05			192.168.2.103	80		ONVIF		
	06			192.168.2.110	80		ONVIF		
	07			192.168.2.111	80		ONVIF		
				102 162 2 112	<u><u></u>20</u>		ONI/IE		

The VR-JA0401TP PoE ports share the same IP address range as the NVR LAN adapter, this means that any cameras connected to a PoE port will be visisble across the LAN network.

By default all IRLAB cameras are set to an IP address of 192.168.0.66, this should not affect the operation of the Plug and Play feature, however it is recommended to change each cameras IP address to be unique (192.168.0.101, 192.168.0.102, 192.168.0.103, 192.168.0.104 as an example).

This can be done by going to Menu > Channel > IP Channel and clicking under the advanced column.

From here select Front Set > Network, the IP address settings of the camera can now be modified.

	Channel Set	
Channels	14 - NET	
Protocol Type	ONVIF	-
IP/DoMain	192.168.2.101	
Port	85	
TransportProtocol	ТСР	▼
UserName	admin	
Password	••••	
Remote Detect	Detect	
Remote Channel	1	•
Сору	OK Cancel	Арр.



IRLAB IP Camera Quick Setup

16 Channel VR-JA1602VP

IRLAB cameras support Plug and Play, this means that usually only minimal configuration is required.

When a IRLAB camera is connected to the system, it should automatically appear on the system.

				EVENT		OBACE	evet	EM.	
D. CHAININE	0				- Q	ORAGE	20 3131		
IP Channel		Add/Del	Status	IP/DoMain	Port	WebPort	Protocol	Edit	Advanced
	01			30:57:ac:00:8d:83	85		IRLAB		
Basic	02			30:57:ac:00:9f:47	85		IRLAB		
	03			192.168.2.101	85	80	ONVIF		
Encodo	04			192.168.2.102	85	80	IRLAB		
Encode	05			192.168.2.103	37777	80	TYPE2		
	06			30:57:ac:00:82:c4	85		ONVIF		
Snapshot	07			192.168.2.110	37777	80	TYPE2		
	08			30:57:ac:00:5e:86	85		ONVIF		
P/T/7	09			192.168.2.111	37777	80	TYPE2		
1,1,2	10			30:57:ac:00:82:2e	85		IRLAB		
	11			192.168.2.112	37777	80	TYPE2		
Detect	12			30:57:ac:00:5d:f0	85		ONVIF		
	13			192.168.2.113	37777	80	TYPE2		
Smart	01	+		192.168.0.9	37777	80	TYPE2		1
	02			192.168.1.112	37777	80	TYPE2		
	03			192.168.1.116	37777	80	TYPE2		
iode Switch	04			192.168.5.120	37777	80	TYPE2		
	05			192.168.2.103	80		ONVIF		
	06			192.168.2.110	80		ONVIF		
	07			192.168.2.111	80		ONVIF		
	E 18			107 169 7 117	- 90				

The VR-JA1602VP PoE ports are isolated from the NVR LAN adapter, this means that any cameras connected to a PoE port will **not** be visisble across the LAN network.

By default all IR LAB cameras are set to an IP address of 192.168.0.66, this should not affect the operation of the Plug and Play feature. An optional step is to manually configure each cameras IP address to a unique address (192.168.0.101, 192.168.0.102, 192.168.0.103, 192.168.0.104 as an example).

This can be done by going to Menu > Channel > IP Channel and clicking under the advanced column.

From here select Front Set > Network, the IP address settings of the camera can now be modified.

	Channel S
Channels	14 - NET
Protocol Type	ONVIF
IP/DoMain	192.168.2.101
Port	85
TransportProtocol	ТСР
UserName	admin
Password	••••
Remote Detect	Detect
Remote Channel	1
Copy	/ OK

ət	
	
	
Cancel App.	

Third Party Camera Quick Setup

VR-JA0401TP Example

Onvif Protocol

The following example is based on adding a Dahua camera to the system using Onvif protocol, other manufacturers are usually added in a similar manner.

- 1. Connect camera to POE Port of NVR or Switch.
- 2. Connect PC/Laptop to NVR or Switch POE port.
- 3. Run the Config Tool Software on the PC/Laptop (This can be found on the CD supplied with the camera, or be downloaded from the website).

4. Change each cameras IP address to the same range as the NVR POE Switch (VR-JA1602VP) or for the VR-JA0401TP NVRs the same range as the LAN network.

The default IP address for Dahua IP cameras is 192.168.1.108

16 Channel NVR PoE Address Range 192.168.2.88

- 5. Enter the NVR menu and go to Channel > IP Channel.
- 6. Select the option Add and input the following details:

Channel: Channel number to assign camera
Manufacturer: ONVIF
IP Address: The IP Address of the camera
RTSP Port: 554 HTTP Port: 80
Username: admin
Password: admin

7. Click App to apply the setting. Cameras can take up to 30 seconds to appear on the NVR live display.

	Channel Set
Channels	14 - NET
Protocol Type	
IP/DoMain	192.168.2.101
Port	80
TransportProtocol	ТСР
UserName	admin
Password	••••
Remote Detect	Detect
Remote Channel	1
Сору	OK Cancel App.

Auto Maintain Feature

Menu > System > Auto Maintain

Auto maintain is a feature designed to automatically reboot the system at a scheduled date and time. By default auto maintain is set to reboot the system every Tuesday at 2:00am.

To adjust the auto maintain settings follow the steps below:

1. Go to Menu > System > Auto Maintain.



- 2. Adjust the preferred day and time by selecting a specified day from the dropdown box and inputting the preferred hour into the time field. There is also the option for "Never" in the day dropdown box, this will disable the auto maintain feature.
- 3. Click Apply to apply the setting and OK to save it.

The auto maintain feature can also be configured via the NVR web browser.





Menu > Channel > Encode

Camera record settings are located in the encode menu. For IP systems the settings are stored on the camera and settings relate to the encoding quality of the video stream being transmitted by the camera.

		CONFI	IG			
CHANNE	EL 🧠 NETWORK	in event	🚓 ѕто	RAGE 🍒	SYSTEM 🚅	APP
IP Channel	Channel	1 - NET	•			
Bacic	Stream Type	Main		Sub Stream1	T	
Dasic	Compression	H.264	-	H.264	V	
Encode	Resolution	1080P(1920*1080) 🔻	D1(704*576)		
Snanshot	Frame Rate(FPS)	25		25	V	
onapanot	Bit Rate Control	CBR		CBR		
P/T/Z	Quality	Bad		Bad		
Detect	Recommend Bitrate	512-8192Kb/s		256-4096Kb/s	-	
Smart		4096		512	V	
Mode Switch			Dafaab	Datauti		410
			Refresh	Default (JK Cancel	Арр.

Record Schedule Settings

Menu > Storage > Record Plan

The Record plan controls when the unit stores video to the HDD's, it also determines the recording type, i.e. Normal, Motion Detection and Alarm recording

By default the NVRs are set to record 24/7 normal (continuous) record, motion and alarm recording are disabled.



To edit the schedule click on the **Setting** button to display the schedule edit page. Once editing is complete, click **OK** to apply the settings.

The images below show an example of the record schedule set to record continuously between the hours of 08:30 and 18:00, with motion recording between the hours of 18:00 and 08:30 seven days a week.

Pla	n		
Record Type	Normal	MD	Alarm
Period 1 00:00 - 08:30		$\overline{\checkmark}$	
Period 2 18:00 - 24:00		$\overline{\checkmark}$	
Period 3 08:30 - 18:00	$\overline{\checkmark}$		
Period 4 00:00 - 24:00			
Period 5 00:00 - 24:00			
Period 6 00:00 - 24:00			
Select All		_	
📈 Sun 📈 Mon 📈 Tue 📈 Wed	I		
Thu 📈 Fri 📈 Sat			
	OK	Can	cel App.

Click **Copy** to apply the schedule settings to specific, or all camera channels. Click **OK** to save the setting.

- Main Stream This is the left hand column and is set to record by default. This is usually the HD Stream.
- **Extra Stream** This is a secondary stream which is not set to record by default. The extra stream is usually a much lower quality stream, it is often used for remote viewing when internet bandwidth is an issue.
- **Channel** Select the specific channel to view or modify.
- **Stream Type** The type of record, options are Regular, Motion Detection and Alarm.
- **Compression** The type of compression used for the recording such as H.265, H.264 and MJPEG.
- **Resolution** This is the total image size in pixels. The higher the resolution the clearer the image.
- Frame Rate (FPS) How many images (frames) are recorded each second. 25 is real time recording.
- **Bitrate Control CBR** Constant Bit Rate keeps the bit rate (the size of the video) at a constant level regardless of how many changes are taking place in the image.

VBR - Variable Bit Rate adjusts depending on the amount of changes occurring in the image. High amounts of changes (movement, light changes etc) increase the bit rate. Low amounts of changes keep the bit rate at a lower level.

Bit Rate (Kb/s) This is the target bit rate given in Kbps. The bit rate determines the file size of the video stream. The bit rate should be adjusted based on Resolution and FPS. A high Resolution and FPS will require a higher bit rate, a lower Resolution and FPS will require a lower bit rate.

Click OK to save any changes.



				cor	IFIG					
CHANNEL	•	NETWORK	-	EVENT	\$	STORAG	e 👳	SYSTEM	*	APP
D Manage Basic Icord Plan	Chani Sun Mon Tue Wed Thu Fri Sat	nel 1	NET 9	12 MD	18 Alarr	24	Setting Setting Setting Setting Setting Setting Setting			
					C	opy De	efault	ск са	ncel	App.

Motion Detection Settings

Menu > Channel > Detect

Motion Detection can be configured to detect movement on specific camera channels. This can then create an event record file and perform various functions including sending an email or sounding the buzzer.

Due to enviromental factors it is advisable to pay particular attention to the region and sensitivity settings for external cameras.

		со	NFIG	ande - s e	1
5. CHANN	IEL 🧙 NETWORK		STORAGE	SYSTEM	🔮 АРР
IP Channel	Channel	1 · NET			
Basic	Alarm Type Anti-Dither	Motion Detect 5 Sec.	•		
Encode	Enable	\square			
Snapshot	Set Area	Setting			
	Process	Setting			
P/T/Z	Linkage Config	Setting			
Detect					
Smart					
Mode Switch					
		Preferences S	tart Copy Def	ault OK Ca	incel App.

To enable motion detection select the **Enable** box.

To customise the detection area and senstivity click **Setting** next to Set Area.



Use the left mouse button to add and remove areas of the grid.

Motion Detection sensitivity is controlled by the amount of movement required to register that movement is being detected. Select the sensitivity level from the dropdown box.

Once the region has been configured click the right mouse button to return to the motion detection setup page.

There are many options and actions that can be configured to work with motion detection, see the list below for an overview of each option.

Process	Set the times and days of the w setting is 24/7.
Anti-Dither	Set the delay time in seconds that the event.
Show Message	Show an on screen message when
Upload Cloud	Upload snapshots to cloud service
Send Email	Send an email notification when a correctly in Menu > APP > Email.
Linkage Record	Select which channels record whe
PTZ Linkage	Move PTZ camera to a preset whe
Tour	Display the camera channel fullsc
Snapshot	Take a snapshot when a motion e
FTP	Upload snapshots to an FTP server
Buzzer	Sound the NVR/DVR internal buzze



- use button to return to the motion detection setup ed to work with motion detection, see the list below
- veek that motion detection is active. Default
- must pass after movement has stopped to end
- en motion events occur.
- e such as Dropbox.
- motion event occurs. Email must be configured
- en motion detection is triggered.
- en a motion event occurs.
- creen when a motion event occurs.
- event occurs.
- er when a motion event occurs.

Smartphone Setup via P2P

All IRLAB NVRs can be viewed remotely using the P2P function.

NVR Setup

- 1. Connect NVR to network via Ethernet cable.
- 2. Go to > Network > Basic.



3. Enable DHCP and apply.

Advanced DHCP Image: Constraint of the second seco	Basic	Network Type	LAN V
IP Address 102 100 115 Application Subnet Mask 202 205 0 0 Gateway 152 168 0 1 1 AUTO DNS Image: Comparison of the state of the st	Advanced	DHCP	2
Application Subnet Mask 205 · 205 · 0 · 0 Gateway 10 · 100 · 0 · 1 AUTO DNS		IP Address	192 . 168 . 0 . 16
Gateway 152 168 . . AUTO DNS	Application	Subnet Mask	255 . 255 . 0 . 0
AUTO DNS		Gateway	192 . 168 . 0 . 1
First DNS Server § 8 8 8 Abemate DNS Server 192 -166 1 -1 MAC Address e0 51:b2 27:4-1c		AUTO DNS	
Alternate DNS Server 152 1.68 1 1 MAC Address e0:61:b2:27:a4:1c mmu		First DNS Server	8 . 8 . 8 . 8
MAC Address e0:61:b2:27:e4:1c		Alternate DNS Server	192 . 168 . 1 . 1
MTU [1500]		MAC Address	e0:61:b2:27:a4:1c
1000		MTU	1500

4. Enter menu > APP > P2P.

5. Enable P2P option and **Apply**.

6. The Status box should now report Online.





16

App Setup

Currently P2P is only supported for iOS and Android devices. Download the mobile application to your mobile device by scanning the QR codes below or by searching for the app in your relative app store.



VSS Mobile

Connect using the app

1. Open VSS Mobile app

2. Select Device Management





4. Select + Symbol again

5. Input a name (This is for your reference only) Press Scan icon (Blue symbol)

	Add device	
P2P	IP	Domai
Device Name: COP NVR		
Device UID:		E
Dassauord		

to view

7. Click save icon



Channel 7 🜔

- Cha

Android Phone



VSS Mobile

3. Click + symbol









8. Select device followed by the cameras 9. View cameras

Click + symbol and then the play symbol.







Contents

HDCVI Recording

Initial Setup Startup Wizard Main Menu Camera Type Setup Modifying & Adding Users Record and Quality Settings Record Schedule Settings Motion Detection Settings Smartphone Setup

HDCVI RANGE

HDCVI offers HD-Over-Coax long distance transmission. With no new cabling or IP knowledge required, HDCVI is one option for upgrading systems from standard definition to high definition.

Pages 18-29 of this guide are for the installation of both the VR-HA0401G & VR-HA1602G HDCVI recorders.

Installation for IP recorders can be found on page 3.



20		
20		
21		
22		
23		
24		
25		
26		
28		

Initial Setup

Startup Wizard

On first boot up the system will display the startup wizard, this covers basic settings such as Network & User Accounts.

The menu displayed below will be shown at the beginning of the Start Up Wizard.

Password



By default there is no password set on the system.

It is **highly** recommended that a password is set to improve security. This can be done by selecting the **Change Password** tick box and inputting a new password.

P2P



Using a QR Reader app on a mobile device, the relevant **"Scan To Download APP"** QR code on screen can be scanned to download the mobile application for your device.

The "Scan to get UID" QR code can be used within the mobile application to connect to the DVR. P2P setup is covered in more detail on page 28.

Basic Settings



The basic settings page includes options such as Language, Date/Time and Date/Time format.

To prevent the Startup Wizard from appearing each time the DVR is turned on or rebooted, uncheck the **Setup Wizard** tick box.

NVR/DVR Main Menu

The main menu is split into six different categories



System	System settings such as Date/Time, Network
Camera	Settings such as Image Parameters, Motion
Record	Record quality settings, Record schedule e
HDD	HDD Information, Format & Overwrite settin
Image View	View Snapshots.

Information System Information & Maintenance tools such as; Default, Auto Reboot etc.



Carlieb	
English	
English	
06-27 Tue 19.16.12	
Se	ttings
M-DD W hh:mm:ss	v
24-Hour	v
atic Identification	. 💌
	ttings

rk & Monitor Resolution.

Detection.

etc.

ngs.

CAMERA TYPE SETUP

IRLAB DVRs support HD-CVI, HD-TVI, AHD, CVBS & IP cameras. Within the System > Digital menu channels can be changed from coaxial/BNC to IP.

The amount of IP channels supported and resulting channel configuration depends on the DVR model. Please see below for more detailed information:

VR-HA0401G

4x CVI/TVI/AHD/CVBS Channels up to 1080P 1x 1080P IP Channel plus 3x CVI/TVI/AHD Channels up to 1080P 8x IP Channels up to 1080P 16x IP Channels up to 960H

VR-HA1602G

16x CVI/TVI/AHD/CVBS Channels up to 1080P 8x IP Channels up to 1080P 8x CVI/TVI/AHD/CVBS up to 1080P 16x 1080P IPC

Display	Loc	al(AHD/TVI/	C∨I)		N	et	
	4MP	3MP	1080P	1080P	960P	3MP	5MP
User	16						
Network	8			8			
Alarm				16			
SysAlarm							
Digital				20			4

Modifying & Adding Users

Additonal users can be added to the system to allow full or limited access to multiple people. Existing user account passwords can also be modified where required.

To access the user menu, go to Menu > System > User



To modify a user password, select the desired username from the list and click the **Edit User** button.

To add a user, select the Add User button.



Input a Username & Password and click **OK** to save the user. Bind IP to MAC is used to limit this users remote access to a single computer or mobile device.

Once the user has been added, the access rights for the user can be selected by selecting clicking the **Authority** button.



User type	MAC address
Engineer	Not bound
Default	Not bound
Edit user	Authority

						Use	r au	thor	ity - t	est										
1			lings			i s	enio	r ma	nage	mer	t 💓	Shu	rtdov	wn/R	eboo	ot				
1		Cop	y .		1	C	lear	alar	m											
0		Sett	tings			s	enio	r ma	nage	mer	1 📃	Shu	itdos	wn/R	eboo	ot	C	ору		
0		Clea	ar ali	arm		T	alk t	ack				Ala	rm o	utpu	t					
A	dl (
0																				
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																c	UK	c	ance	1

Authority

Record and Quality Settings

Menu > Record > Setup

Camera record settings are located in the record setup menu.

	Сн		À Ì.		
Snapshot		Main Stream		Sub Stream	
Schedule	Record type	Video & Audio	•	Video & Audio	T
🏥 Advanced	Resolution	1080P	v	CIF	Ţ
	Frame Rate	15fps	¥	6fps	T
	Bit rate type	Constant bit rate	•	Constant bit rate	V
	Quality		T	8222	•
	Bit rate	2707Kbps	-	Custom	T
		Inp	ut	Inp	ut

Main Stream	This is the left hand column and is set to record by default. This is usually the HD Stream.
-------------	--

Extra Stream This is a secondary stream which is not set to record by default. The extra stream is usually a much lower quality stream, it is often used for remote viewing when internet bandwidth is an issue.

- СН Select the specific channel to view or modify.
- **Record Type** Choose whether to record video & audio or video only.
- Resolution This is the total image size in pixels. The higher the resolution the clearer the image.
- How many images (frames) are recorded each second. 25 is real time recording. Frame Rate (FPS)
- CBR Constant Bit Rate keeps the bit rate (the size of the video) at a constant level Bitrate type regardless of how many changes are taking place in the image.

VBR - Variable Bit Rate adjusts depending on the amount of changes occurring in the image. High amounts of changes (movement, light changes etc) increase the bit rate. Low amounts of changes keep the bit rate at a lower level.

This is the target bit rate given in Kbps. The bit rate determines the file size of the video Bit Rate (Kb/s) stream. The bit rate should be adjusted based on Resolution and FPS. A high Resolution and FPS will require a higher bit rate, a lower Resolution and FPS will require a lower bit rate.

Click Save & Exit to save any changes.

Record Schedule Settings

Menu > Record > Schedule

The schedule controls when the unit stores video to the HDD's, it also determines the recording type, i.e. Common, Motion Detection and Alarm recording.

By default the NVRs are set to record 24/7 Common (Continuous) + Motion & Alarm.



To edit the schedule click on the colour icon representing the desired type of recording. Add this type of recording to the schedule by left click and dragging the mouse across the schedule.

Additional schedule settings include the following two items;

Event Pre-Record Time Set the amount of seconds saved before an event activation.

- **Event Delay Time**
- This is the amount of time each event records for.



Motion Detection Settings

Menu > Camera > Motion

Motion Detection can be configured to detect movement on specific camera channels. This can then create an event record file and perform various functions including sending an email or sounding the buzzer.

Due to enviromental factors it is advisable to pay particular attention to the region and sensitvity settings for external cameras.

	COLOR	CH.	A1	
	COLOR	Motion detect enable		Settings
4	Motion	Motion detect sensitivity	Higher	v
<u></u> ~ v		Motion detect schedule	Motion detect active all day	٣
-	Masking			Settings
0	PT7	Full screen on motion	✓GA/HDMI	
-		Buzzer on motion		
		Record on motion		Settings
		Take snapshot on motion		Settings
		Alarm out on motion		
		Move PTZ on motion		Settings
		Send email on motion		

To enable motion detection select the **Enable** box. To customise the detection area and sensitivity click **Setting** in the top right.



Use the left mouse button to add and remove areas of the grid.

The green squares represent the active area where motion will be detected. Clear squares represent areas of the screen where motion will be ignored.

Once the region has been configured click the right mouse button to return to the motion detection setup page.

There are many options and actions that can be configured to work with motion detection, see the list below for an overview of each option.

Schedule	Set the times and days of the setting is 24/7.
Fullscreen on Motion	Display the camera channel
Buzzer	Sound the NVR/DVR internal b
Record on Motion	Select which channels record
Email	Send an email notification wh correctly in Menu > APP > Em
Alarm Out	Trigger relay output when mo
Move PTZ on motion	Move PTZ camera to preset w
Tour	Display the camera channel



the week that motion detection is active. Default

fullscreen when a motion event occurs.

buzzer when a motion event occurs.

d when motion detection is triggered.

nen a motion event occurs. Email must be configured nail.

otion is detected.

when a motion event occurs.

fullscreen when a motion event occurs.

Smartphone Setup via P2P

All IRLAB NVRs can be viewed remotely using the P2P function.

NVR Setup

- 1. Connect NVR to network via Ethernet cable.
- 2. Go to > System > Network.



3. Enable DHCP and click **Update**.

e coare								
Display	Interfac	9			10M/100N	1 Auto	Adapter	
•	Enable	DHCP	1					Update
U580	IP addre	055	192		168		0	8
S Network	Subnet	mask	255	1.3	255	- 35	0	0
Alarm	Gatewa	iy.	192		168		1	1
SvsAlarm	MAC ad	idress			5a.57	61c6	85.38	
	Primary	DNS	223		5		5	5
Digital	Second	ary DNS	223		6		6	6
	HTTP p	ort.				80		
	Comma	nd port				6060		
	Video p	ort				6066		
	Mobile p	oort				6667		

- 4. Enter menu > Network > P2P.
- 5. Enable P2P option and **Apply**.
- 6. The Status box should now report Network Ready.





App Setup

Currently P2P is only supported for iOS and Android devices. Download the mobile application to your mobile device by scanning the QR code below or by searching for the app in your relative app store.

iPhone & Android



P2PViewCam

Connect using the app

1. Open P2PViewCam app

2. Click + symbol





4. Scan screen

5. Input a name (this is for your reference only) click the save icon

•	
0	

COP
4JN7EGEKDKKBTGFY1111
admin

7. View Camera





3. Select Scan







