



VIP Vision™ Network Video Recorder

Quick Start Guide

Thank you for purchasing a VIP Vision Network Video Recorder

This Quick Start Guide covers basic setup, installation and use of your surveillance system.

For the full user manual, instructional videos, tips on using your surveillance system & warranty information, please visit: www.vip-vision.com

1. Pre-Installation

1.1 Pre-Installation Safety Information

Before connecting your NVR (network video recorder) or cameras, please ensure the following safe installation guidelines are adhered to.

- Do not place cords from the NVR where they can be pinched or stepped on.
- Do not place heavy objects on cords, or cover cords with rugs or carpet.
- Do not expose the NVR to excessive heat or moisture.
- Leave at least 50mm of space between the NVR and other objects to allow ample air circulation.
- Never immerse any component in water and do not spray cleaners or solvents on the cameras.
- Shut down and unplug the recorder before cleaning. When cleaning, use a damp, lint-free cloth only.
- Service of your NVR or surveillance cameras should only be handled by qualified technicians.

1.2 Connecting your NVR and Cameras

The following section will detail connecting the NVR and surveillance cameras. It is recommended that cameras and connections are tested before mounting. If there is no image, an error message or dark screen when first connecting cameras, see the **Troubleshooting** in Section 6 in this guide.

Refer to **1.3 NVR Rear Panel & Setup Diagram** for full NVR & system diagrams.

1. **Connect the cameras to the NVR:** Using CAT5e/CAT6 LAN cables, connect to the network port of the NVR.
2. **Connect camera power:** Cameras are powered by CAT5e/CAT6 LAN cable. No external power supply is needed.
3. **Connect a display:** Using an HDMI or VGA cable, connect a monitor or television (not included).
4. **Connect the mouse:** Connect the USB mouse to the rear USB port, saving the front port for easy USB backup.
5. **Connect to your local network:** Using the included Ethernet patch cable, connect to your switch or router.
6. **Connect NVR power:** Plug in the supplied AC power cord to the rear of the NVR.

Upon activating power, LED lights at the front of the NVR should turn on and the NVR will sound on startup. The NVR will then run your surveillance user interface. Cameras and LAN / Internet will be detected automatically. This completes a successful first boot of your surveillance system and you may begin configuring surveillance cameras.

1.3 NVR Rear Panel & Setup Diagram

NOTE: Your NVR (network video recorder) model may differ - the 16 channel NVR (NVR16PRO7) is referenced below.

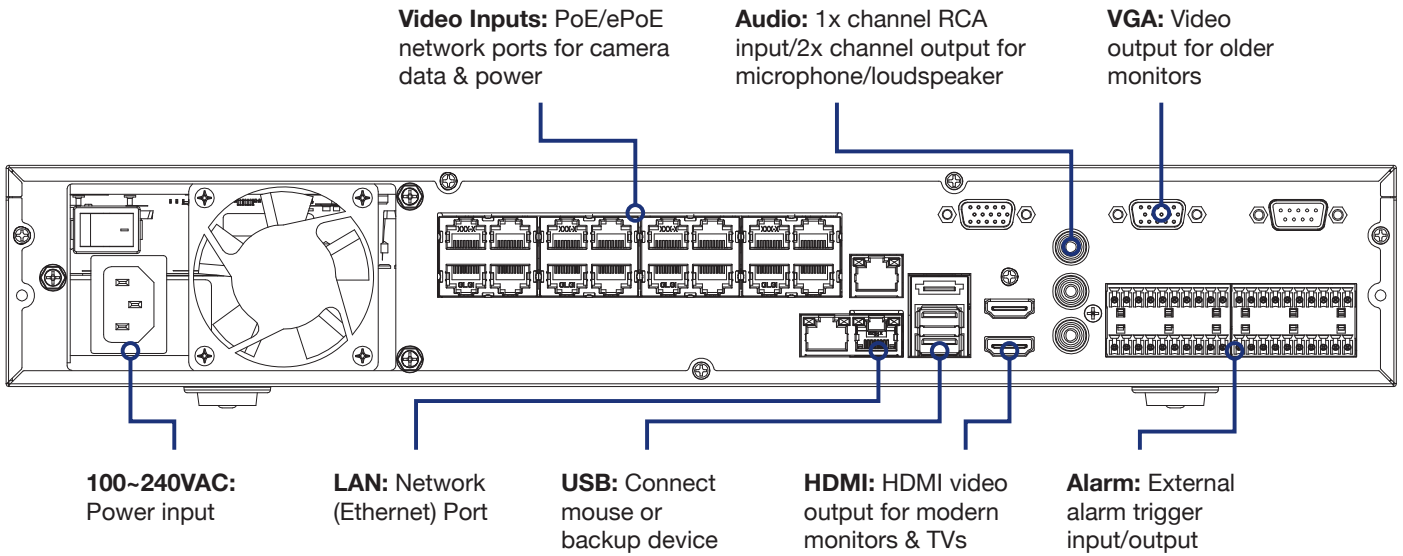


Fig. 1.1: NVR Rear Panel Diagram



Fig. 1.2: System Setup Diagram

2. NVR and Camera Configuration

2.1 First Boot and Startup Wizard

After successful connection and boot of your NVR, you will be taken through first-time setup for your surveillance system. Here you will configure system security and begin customising your NVR, including setting camera encoding options, record scheduling, network setup and remote view configuration. A **physical keyboard is not required or supported**; an on-screen keyboard will appear when required.

NOTE: Each setting shown in the Startup Wizard can be modified later via the NVR Main Menu. See the Menu Quick Guide in Section 6 or see the full user manual for more information.

Following the prompts, complete each section in the Startup Wizard, as detailed below:

NOTE: Screenshots have been edited for legibility in print.

2.1.1 Startup Wizard

When the NVR is powered up for the first time or the NVR is restored to factory settings, the Startup Wizard will be displayed. Users can set common NVR functions by following the procedures step-by-step

2.1.2 Securing your NVR

In the Startup Wizard, you will be prompted to change the **admin** user password. This is to prevent unauthorised remote access via the Internet to your NVR.

1. Enter a strong **admin** user password, using letters, numbers & symbols. Confirm this password.
2. (Recommended) Enter a **Prompt Question** (password hint).
3. (Optional) Draw an **Unlock Pattern** for quick unlocking.
4. (Recommended) Enter an email address to be used for password resets.
5. (Recommended) Enter security questions/answers to be used if the admin password is forgotten. Note that answers are **case-sensitive**.

NOTE: Email address password resets require a mobile phone with the DMSS app & internet access.

NOTE: We **strongly recommend** setting up email password reset and security questions. If the password is forgotten and no recovery method is set up, the recorder will need to be sent back to VIP Vision for a system reset, which will incur a fee even if the system is still within the warranty period.

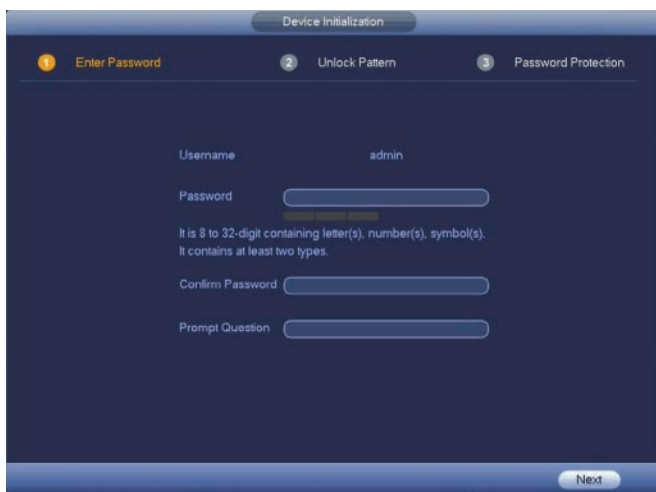


Fig. 2.2: Enter Password screen.



Fig. 2.3: Password Protection screen.

2.1 First Boot and Startup Wizard (continued)

2.1.3 Automatic Updates

Here, you can choose whether you want your system to **Auto-check for updates**. This feature will notify you whenever a new firmware update is available and downloads it from VIP Vision.

For compatibility with future cameras and to receive security updates, we recommend automatic updates be turned **on**.

NOTE: *Automatic updates require an internet connection.*

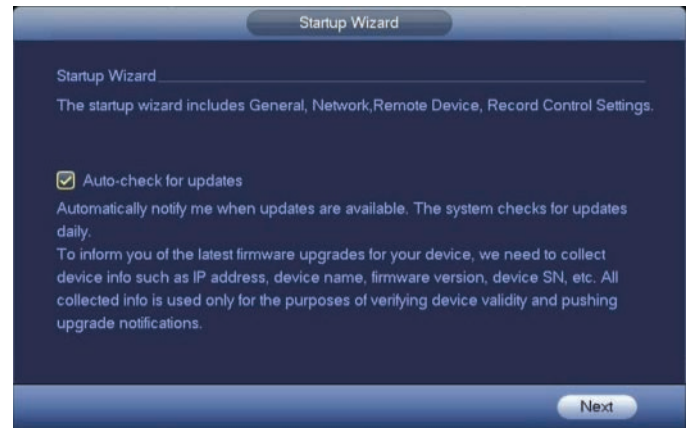


Fig. 2.4: Auto-check for updates

2.1.4 General NVR Setup

You will now be directed to **General** setup. Here you can confirm basic options of your NVR. By default, your NVR is set have 5 minutes instant playback and logout automatically after 10 minutes. You can also change mouse sensitivity and confirm date & time.

Default settings are adequate to get started, we recommend checking the following:

1. In the **General** menu, assign a name to your NVR by changing the **Device Name** field.
2. Click Next to go to the **Date & Time** menu and confirm correct settings. This directly affects recording, footage search & playback. You can optionally enable NTP to ensure a correct time (this requires an internet connection).
3. Users in NSW, VIC, SA, TAS and ACT will need to **enable DST** (Daylight Saving Time). Adjust **Start Time & End Time** settings according to your region and the year.

NOTE: *Daylight Saving Time begins at 2am on the first Sunday in October, when clocks are put forward one hour. It ends at 2am (which is 3am Daylight Saving Time) on the first Sunday in April, when clocks are put back one hour.*



Fig. 2.5: General setup section



Fig. 2.6: Date & Time setup

2.1 First Boot and Startup Wizard (continued)

2.1.5 Configuring TCP/IP, P2P, and Remote View

NOTE: For the following section, please ensure the LAN (Local Area Network) is connected to your router or switch and that your Internet connection is available. Also, have your Internet connected phone or tablet ready for configuring surveillance remote view.

Network setup will be prompted next, enabling you to connect your NVR to the Internet. First ensure that your NVR is connected to your switch or router via the included CAT5 cable (detailed in Section 1.3). For the simplest setup we recommend using DHCP to connect to the Internet. You will then be prompted to configure **P2P** for remote view on your device.

1. In the **TCP/IP** section, see Fig. 2.7. The IP address of the NVR will be shown.
2. Select **IPv4** and **DHCP** (Dynamic Host Configuration Protocol).
3. Should you wish to use a static address, contact your Internet administrator for details.
4. Click **Next** to continue.
5. Click **Enable** to enable P2P remote view.
6. NVR **Status** should read **Online**. This indicates an active Internet connection. (This may take a few minutes).
7. Scan the left QR code, **Cell Phone Client**, or search your App Store to download the **iDMSS/gDMSS** or the **EasyviewerLite** app.






Fig. 2.7: TCP/IP setup section settings (example only)



Fig. 2.8: P2P setup section, with QR codes (example only)

The following details configuring remote view via the **iDMSS (Apple iOS)** or **gDMSS (Android)** on your device. Depending on the device, menus may function or appear slightly different to those explained below.

1. Select the **Camera** button on the app home screen.
2. Open the application menu  and select the **Device Manager** tab.
3. To add your NVR, select add device .
4. In the **Add Device** menu, select **Wired Device**, then select **P2P**.
5. **Name** your NVR and enter your **admin password**.
6. In the **SN** field, select the QR code icon .
7. Scan the **Device SN** QR code (shown in Fig. 2.9). The SN will be auto-filled if the scan is successful.
8. Select **Start Live Preview** to view your cameras.

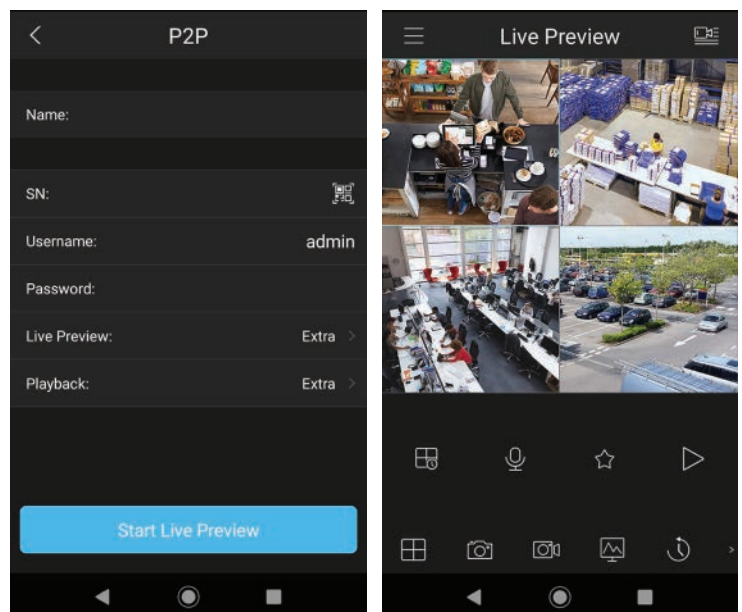


Fig. 2.9: Add Device menu and Live Preview for Android

2.1 First Boot and Startup Wizard (continued)

2.1.6 Configuring Surveillance Cameras

After configuring remote view, the Startup Wizard will take you to the Camera Registration menu. This menu will display all detected cameras. Users can also add camera manually.

Device search: Search all network cameras in the same network segment. To add a camera, double click on the camera list or check the box then click Add button. To add camera manually with known IP address, you can:

1. Type the camera's IP address in the box left of the Search button, then click **Search**.

or

2. Click the **Manual Add** button and input the camera's IP address and password.

Channel: This is the camera's channel number.

Status: The connection status of the camera. A **red circle** indicates the camera is offline. A **green circle** indicates the camera is online.

IP Address: The IP address of the network camera.

Port: The port number of the network camera.



Fig. 2.10: Camera Registration

2.1 First Boot and Startup Wizard (continued)

2.1.7 Configuring Recording Schedules

Finally, you will be prompted to setup your **Schedule** for recording. Here you can define the recorded footage schedule in the **Record** menu (Fig. 2.11), and the recorded image snapshot schedule in the **Snapshot** menu. By default, cameras are set to non-stop Regular recording (24 hours a day, 7 days a week).

Schedules can be set in hourly periods for individual days for each camera, with colour-coded options for:

- **General (green)** for all regular recording.
- **MD (yellow)** for recording on motion detection.
- **Alarm (red)** for recording on triggering an integrated alarm.
- **MD & Alarm (blue)** for simultaneous alarm/motion detection recording.
- **IVS (orange)** for recording on triggering IVS (Intelligent Video Surveillance) such as a virtual tripwire.
- **POS (light blue)** for point of sale transactions.

We recommend adding motion detection and intelligent recording to all channels to accompany your regular recording:



Fig. 2.11: Recording Schedule

Setting Motion Detection & Intelligent Recording

1. Click the **Channel** drop down to select **All** cameras.
2. In the days column, toggle the **All** check box to simultaneously set recording schedule parameters for every day of the week.
3. Check the blue **MD** check box to select motion detection recording.
4. Click the schedule to fill in areas for motion detection recording. We recommend a 24/7 schedule to mirror the Regular recording schedule (Fig. 2.10).
5. Repeat steps 3 & 4 with the orange **IVS** check box to set intelligent recording (tripwire, face detection, etc).
6. Click **OK** to the confirm recording schedule changes and move on to Snapshot Schedule.

2.1 First Boot and Startup Wizard (continued)

Setting Snapshot Schedule

The **Snapshot Storage Schedule** is configured similarly to the Recording Schedule. For consistency between recording and snapshots, we recommend using the **same settings used for the Recording Schedule**.

You have now set up motion detection & intelligent recording. This will be beneficial when it comes to searching footage in playback (Section 4.0). This can be edited any time from **Main Menu -> Storage -> Schedule**.



Fig. 2.12: Snapshot Schedule

2.1.8 Completed Setup

Startup setup is complete. Below is an example of a **View 8 Liveview** setup. Before mounting cameras, familiarise yourself with the user interface and menu layout.

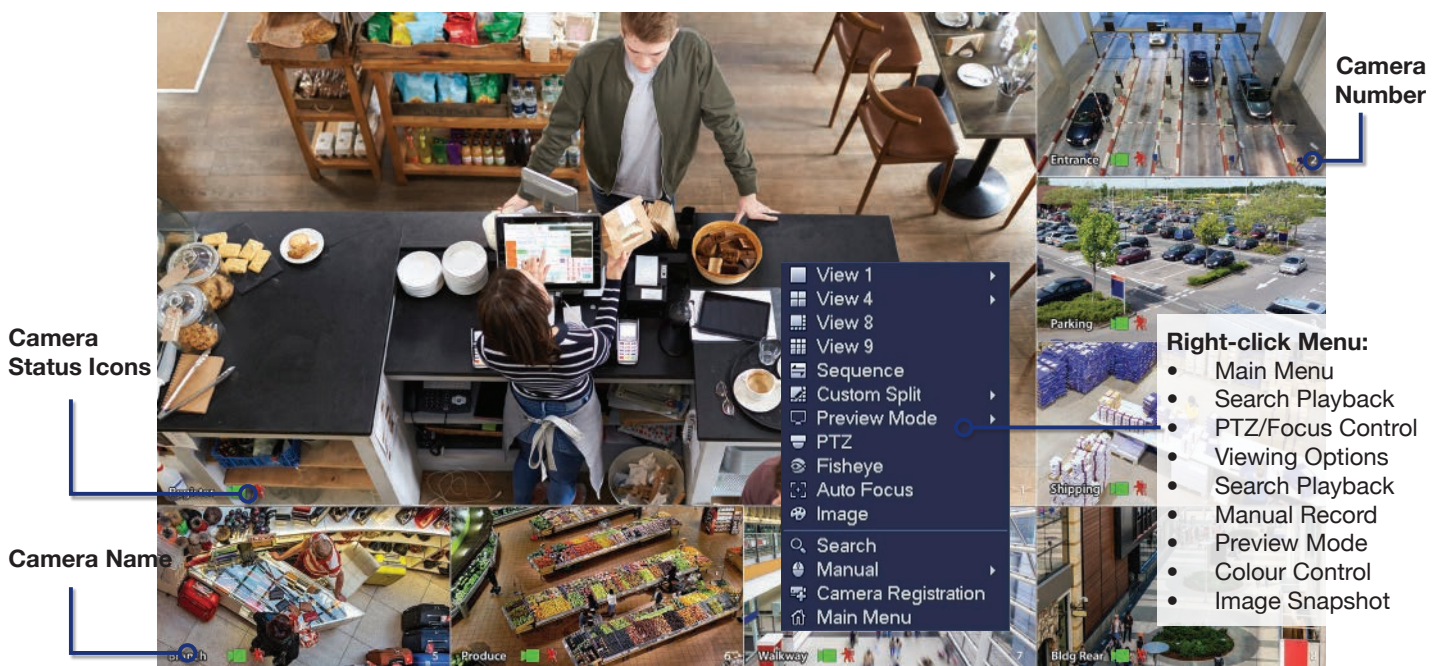


Fig. 2.13: View 8 Liveview screen with right-click menu open.

Liveview Controls

- **Double-click** on a camera window to make it full-screen; double-click again to return to normal view.
- **Right-click** to access the right-click menu.
- From the right-click menu, click **Main Menu** to access most configuration settings.

Main Menu Controls

- **Mouse wheel scroll** to view more menu options.
- **Left-click** to enter a menu.
- **Right-click** to return to the Main Menu / return to the Liveview screen from the Main Menu.

2.2 Configuring Surveillance Cameras

2.2.1 Camera Quality & Bit Rate

After the Startup Wizard has been completed. You can configure the camera via the **Encode** menu. This section determines the overall quality of footage recorded by your NVR. These can be adjusted to optimise for video quality or recording time, depending on your preference.

Each camera features a **Main Stream** for high quality streaming to the NVR; and a Sub Stream for low quality, low data streaming to your remote view phone or tablet. You can configure both of these streams for **each individual camera**, so you can choose to prioritise quality for important cameras and recording time for others.

Fig. 2.21 details Default Values, Quality Optimised values and Max. Recording-time optimised values for a 2T HDD.

NOTE: Total record times below are estimates based on a 2.0MP system. Actual total record time will differ.

Field	Default Values		Quality Optimised		Recording Time Optimised	
	Main Stream	Sub Stream	Main Stream	Sub Stream	Main Stream	Sub Stream
Resolution	1920 * 1080	352 * 288	1920 * 1080	704 * 576	1920 * 1080	352 * 288
Frame Rate	15fps	15fps	15fps	15fps	10fps	10fps
Bit Rate Type	CBR	CBR	CBR	CBR	VBR	VBR
Bit Rate	2048Kb/s	320Kb/s	4096KB/s	640KB/s	2048Kb/s	320Kb/s
Approx. Total Record Time	8+ Days		4+ Days		14+ Days	

Fig. 2.14: Suggested camera stream values to be set for individual cameras

NOTE: To conserve mobile data usage while using remote view, 320Kb/s Bit Rate is recommended for Sub Streams.

Encode Menu

- In the **Encode** menu, select each camera channel and set the desired encoding options based on table above (Fig. 2.14).

Snapshot Menu

- In the **Snapshot** menu, you can configure the NVR to record image snapshots to be taken at **Timing** intervals, based on the Snapshot Recording Schedule (see Section 2.17), or on **Trigger**, via camera motion detection.
- This creates image files alongside your recorded footage.

2.1.7 Configuring Basic Storage Settings

Here, you can configure the settings for situations when the HDD is full, file size/time length of recorded video, and the settings for auto-deleting old files.

- HDD Full:** Configure the settings for when all the read/write discs are full, and there is no more free disc.
- Pack Mode:** Configure the time length and file length for each recorded video.
- Auto-Delete Old Files:** Configure whether to delete the old files or not. If yes, also determines how many days of footage are deleted.



Fig. 2.15: Encode setup section channel 1 settings example (Quality Optimised)



Fig. 2.16: Storage Settings

3. Installing Cameras

3.1 Maximising Camera Effectiveness

To maximise the effectiveness of your surveillance cameras, follow these guidelines for camera mounting.

- Avoid pointing cameras directly at light sources.
- Consider how the sunlight changes during the day. Mount your camera where sunlight has minimum impact.
- Avoid pointing cameras directly in front of large objects. When infrared turns on in at night or in low-light, it may be reflected back into the camera, resulting in an over-bright image.
- Consider your local and state laws before installing your cameras. This may affect where you point your surveillance cameras.
- Avoid direct exposure to weather. If possible, mount under an eave or awning. While the cameras are water-resistant, rain on the lens will affect image quality.
- Ensure the mounting surface thickness can support triple the weight of the camera.
- Do not mount the camera behind glass as this can reduce performance and usability of surveillance in both day & night images.
- Light levels should be approximately the same between the camera and the targeted area.
- Do not place camera or cabling near high voltage wires or other sources of electrical interference.

3.2 Mounting Surveillance Cameras

Following the guidelines outlined in Fig. 3.1 to 3.4 mount your surveillance cameras.

1. Loosen the camera mount assembly by adjusting the locking screw with the included wrench.
2. Mark the screw position on the mounting surface.
3. Drill mounting holes for the wall plugs.
4. Drill a larger hole (approx. Ø10mm) so the camera cable can pass through the mounting surface.
5. Pull the cables through the building walls/ceiling from the camera to the recorder.
6. Connect the camera LAN cables, ensuring your camera is sealed away from rain and dust. If installing in an area where moisture exposure is possible, seal power and video connections with self-amalgamating tape (not included).
7. Affix the camera to the mounting surface using the supplier screws and wall plugs.
8. Reassemble the camera, loosely locking the enclosure using the locking screw and wrench.
9. Connect the LAN cable back to the NVR and view the video feed.
10. Adjust your camera to the desired position.
11. Tighten the locking screw(s) to complete mounting.

NOTE: All cameras feature tri-axis adjustment and can be rotated and tilted in any direction to suit your installation needs. Simply loosen the locking screw(s) to adjust your camera's position, then tighten again once finished.

3.2 Mounting Surveillance Cameras (continued)

NOTE: Diagrams shown below assume camera to be mounted on masonry. Cameras mounted on drywall (gyprock, plasterboard, etc.) will require special mounting screws or toggles (not included).

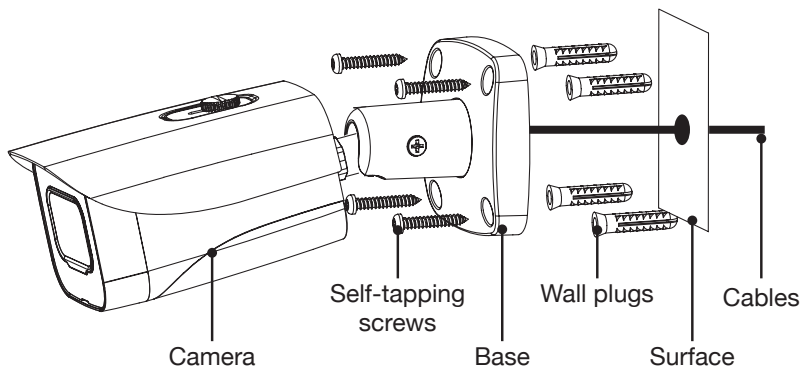


Fig. 3.1: Mounting diagram for fixed bullet

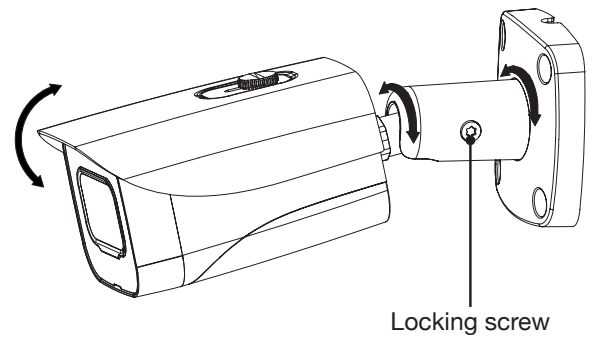


Fig. 3.2: Tri-axis fixed bullet adjustment

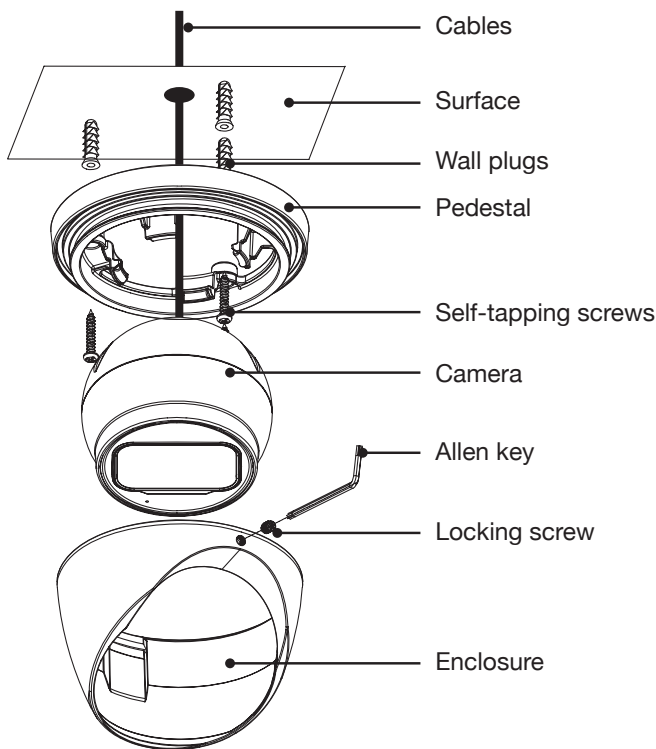


Fig. 3.3: Mounting diagram for fixed dome

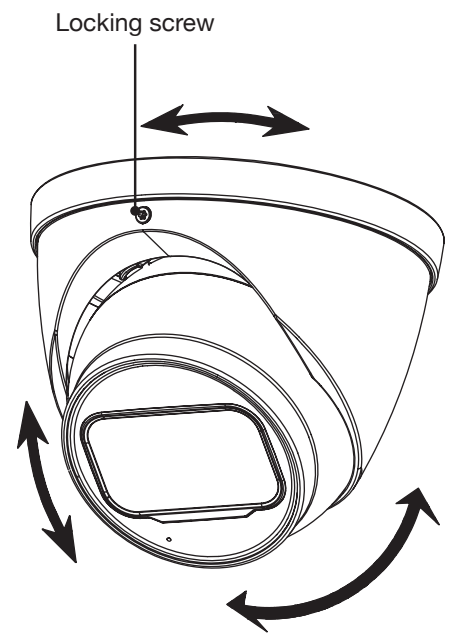


Fig. 3.4: Tri-axis fixed dome adjustment

4. Footage Playback

4.1 Accessing Stored Footage

To access footage playback, select the **Search** button from the **Main Menu**. Stored footage can be accessed by searching by date and refined by footage type (Regular, Motion Detection, Alarm, etc). The below image details the playback interface with footage selected.

After locating desired footage, you can immediately backup the video by using the playback menu. See Section 5.1.1 for more information.

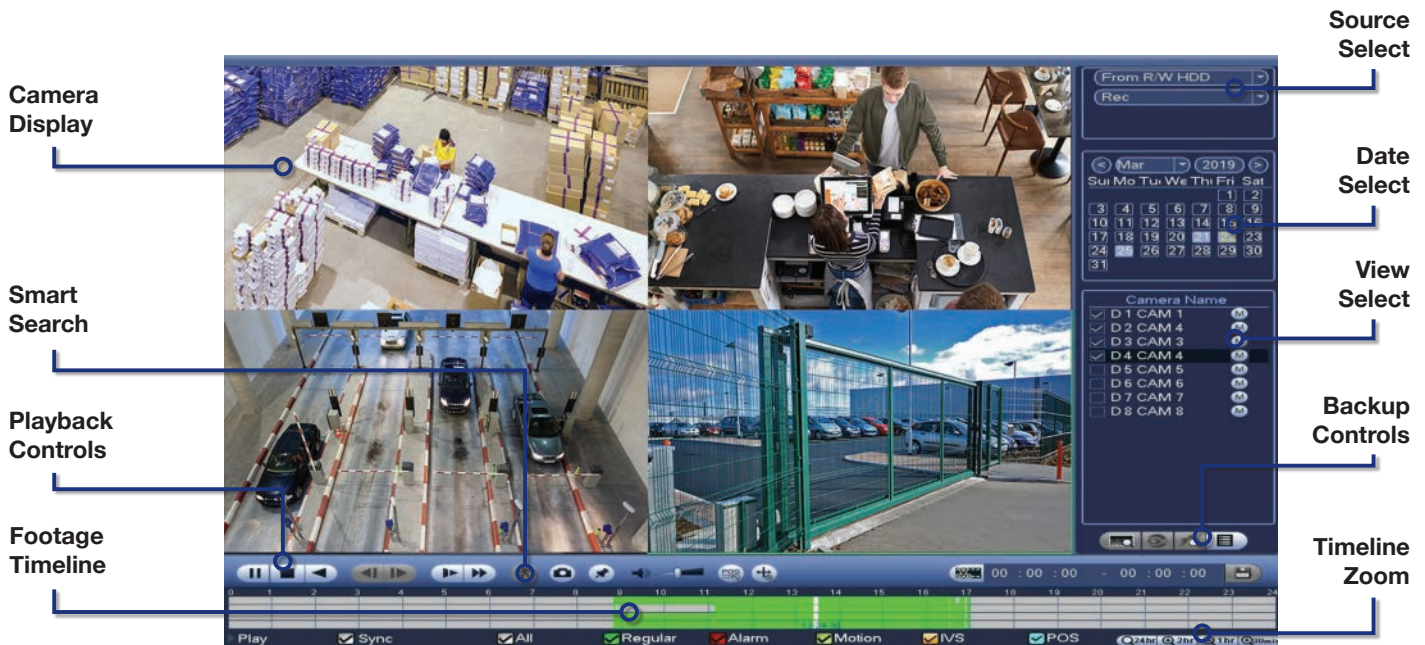


Fig. 4.1: Four camera view simultaneous footage playback.

4.1.1 Playback Footage by Date

1. Ensure that the correct **HDD** is selected and that **REC** checked in **Source Select**.
2. Using the **Date Select** calendar, choose your date for footage playback. A coloured date icon indicates stored footage is available for that day.
3. Using the **View Select** tabs, choose how many cameras you wish to view. Using the drop down menu, choose which cameras you wish to view.
4. The **Footage Timeline** should populate with stored footage, indicated by coloured bars in the timeline. Click anywhere on the timeline to begin footage playback. Other cameras will automatically sync their playback to the selected camera.
5. For greater precision playback control, zoom in on areas using the **Timeline Zoom**, up to 30 minutes.
6. Using the **Playback Controls**, you can speed up or slow down playback, place marks on key footage times and take snapshots.

4.1.2 Playback Footage by Smart Search

NOTE: Smart search requires motion detection to be recorded to function. You can only Smart Search playback footage one camera at a time. If Smart Search is not functioning, check Section 6 for troubleshooting.

1. As detailed in the previous section, use **Date Select** to choose the desired date for footage playback, choosing a single camera only in **View Select**.
2. Click anywhere on the Footage Timeline to begin playback. Then select the **Smart Search** button (Fig. 4.1).
3. A grid will appear overlaid onto your camera playback. Highlight an area of interest on the grid. This will define the motion detection area that is used by Smart Search.
4. Select the **Smart Search** button again to begin playback of all motion detected events in the area you selected.

By configuring your recording schedule for motion detection and by using Smart Search, you can quickly find the footage you require. For **Footage Backup**, proceed to Section 5.

5. Footage Backup & Viewing

5.1 Backup Footage to USB

Should you wish to preserve recorded footage before it is overwritten, you will need to perform a footage backup. Footage can be exported from your NVR in a **.DAV** or **.MP4** file. A **.DAV** file will require conversion for sharing, whereas an **.MP4** file is compatible with most video players on Windows or Mac PCs. Each file type is covered in Section 5.2.

There are two different ways to backup footage to USB: via the **Search** menu through searching playback footage; and by performing a direct backup via the **Backup** menu. Both are accessed via the **Main Menu**.

NOTE: Backup file type (**.DAV/.MP4**) selection is only available in the **Backup** menu. Backup in **Search** Menu outputs **.DAV** files only.





Fig. 5.1: Backup Controls in the Search Menu.



Fig. 5.2: Backup Menu

5.1.1 Backup Footage via Search Menu

Using the **Search Menu**, find start/end points of backup footage by using playback video as a reference.

1. As detailed in Section 4, locate the footage you wish to backup. Select the desired camera in single view mode.
2. Using the **Footage Timeline**, click the approximate desired time for your backup video start point. Selecting the **Clip Button**  on the **Backup Controls** (Fig. 5.1) will set your start point.
3. Again, using the **Footage Timeline**, click the approximate desired time for your backup video end point. Select the **Clip Button** again to set your end point.
4. Select the **Save Button**  to bring up the **Backup** menu.
5. This process can be repeated to add more clips from different channels.
6. Plug in your USB device, exiting any automated prompts, and select **Backup** to begin backup.

5.1.2 Backup Footage via Backup Menu

Using the **Backup Menu**, specify start/end dates & times across multiple cameras simultaneously. This is useful for large footage export, such as full days.

1. Select **Backup** from the **Main Menu**, or, insert your USB device and select **File Backup**.
2. Here, you can select the **Type** of footage to backup (default: All), the **Start Time** and **End Time** and what **Record Channels** to backup video from.
3. Selecting **Add** will populate the list with individual video clips ready for backup. Clips can be added or removed from the backup process using the check box.
4. Select **Start** to begin backup.

NOTE: Regular type footage (R) will be split into in one hour segments, unless Motion Detection type footage (M) was recorded.

Storage capacity is also shown. Ensure you have the required USB device storage to accept the backup video.

5.2 Viewing Footage on a Computer

The following details instructions for viewing footage on Windows or Mac personal computers. Video conversion may need to take place for viewing on other devices, eg: smartphones, tablets, etc.

Now you have backed up footage to a USB device in .DAV or .MP4 format, you are ready to view on a personal computer.

- **.DAV footage** can be viewed using the **Smart Player Lite** program.
- **.MP4 footage** can be directly viewed using most players, including Windows Media Player & VLC Media Player

Choose which section to proceed with based on what file type you backed up in Section 5.1.



Fig. 5.3: Footage playback using the included Smart Player Lite for Windows



The included Smart Player Lite is for Windows only.



Smart Player Lite is for viewing recorded footage only. For CCTV liveview from your PC, use SmartPSS.

You can download both **SmartPSS** and **Smart Player (MacOS)** from www.vip-vision.com.

5.2.1 Viewing .DAV Video Files on PC with Smart Player Lite

Note: *Smart Player Lite* is automatically copied onto the USB device when performing footage backup from the NVR.

1. The .DAV file format is playable only by your NVR or the **Smart Player Lite** media player and cannot be played on mainstream media players without file type conversion.
2. To view .DAV footage in Smart Player Lite, either click the **Add Files**  button and select the file, or drag & drop the file onto a selected play window.
3. Using the .DAV file, Smart Player Lite adds functionality similar to your NVR in footage playback, such as synchronous playback of multiple channels.
4. Open the **Options menu** . Here, you can set the directories and formats for saved snapshots (.BMP/.JPG) and videos (.DAV/.AVI). You can also adjust video aspect ratio and other options.

5. You can **export clips** by pressing the **Record button**  once to begin recording, then again to end recording.
6. Similarly, you can **take snapshots** by pressing the **Snapshot button**  once.

5.2.2 Viewing .MP4 Video Files

The .MP4 file format is a common video format, compatible with Windows Media Player and most other video players.

.MP4 videos can also be played by **VLC Media Player**. This free open source player is available across many platforms, including:

- **Desktop:** Windows, Mac OS and Linux
- **Mobile:** Android and iOS

1. Access your USB device and open your backup .MP4 footage video using one of the media players mentioned above.
2. .MP4 files **cannot** be viewed using Smart Player Lite. They do not retain time/date data like .DAV files.

6. Intelligent Functions

NOTE: Before enabling Face Detection or Tripwire, ensure that you've configured Intelligent recording schedules (refer to 2.1.5 Configuring Recording Schedules), or these functions will not work.


Intelligent Video Systems (IVS) let your CCTV system go beyond surveillance, delivering advanced & powerful detection tools. When properly configured, these functions can alert you to suspicious activity in real time via email/smartphone notification and let you easily search through surveillance footage via event history.

- **Face Detection** - Uses smart technology to detect human faces, snapshotting and saving them in a directory.
- **Tripwire** - Detect when any object crosses a set warning line in the video.
- **Intrusion** - Detect when any object intrudes inside a set zone in the video.
- **Abandoned/Missing Object** - Detects if an object has been left/taken from a set zone in the video.

NOTE: Only one channel can use Face Detection. Face detection and other IVS cannot be used at the same time!

6.1 Face Detection (Requires supporting camera)

6.1.1 Enabling Face Detection

1. From the Main Menu, select **Event** and then **Smart Plan**. Select the camera with face detection functionality.
2. Click the  **Face Detect** icon and then **Apply** to enable face detection. The icon will turn orange when enabled.
3. Select the **Face Detection** tab and select the Channel that you want to enable face detection. Click the **Enable** box.
4. Select **Rule** to draw the motion detection area of the camera. If the face appearing in the camera is **bigger** than the box drawn, it will trigger the face detection alarm (smaller box = higher sensitivity).

6.1.2 Face Detection Trigger


The other options on the **Parameters** tab configure the actions taken after a face detection event is triggered.

1. **Period** sets the times of day that **Face Detection** is activated (always on by default).
2. **Alarm Out** sets an external alarm to activate whenever a face is detected.
3. **Latch Time** sets how long the system waits after detecting a face before detecting again (10 seconds by default).
4. **Alarm Upload** updates the alarm system status on the network (Unused for this system).
5. (Requires internet connection & setup) **Send Email** notifies a specified email address whenever a face is detected, also attaching a photo of the face.
6. **Record Channel** sets which camera to record to when the face detection alarm is triggered.
7. **Post Record** sets the amount of time recorded after the face is detected. This clip can be played back while searching through faces (10 seconds by default).
8. (PTZ camera only; not included) **PTZ** settings set PTZ behaviors in response to a face detection, such as selecting a Tour to perform, etc.
9. **Buzzer** sets the NVR to beep whenever a face is detected.
10. **Voice Prompts** plays a designated .wav file in response to face detection.
11. Click **Apply** to save changes.



Fig. 6.1: Face Detection Parameters menu.

6.1.3 Smart Search (Face Detect)

1. From the Main Menu, select **Smart Play** and then **Face Detection**.
2. From here, you can search through every face detection event in a certain period of time.
3. If any faces were detected in the specified timeframe, they will be displayed along with a timestamp. **Double-click** on one of the faces to see the full snapshot.
4. To backup recorded footage, click the  **Save icon**.

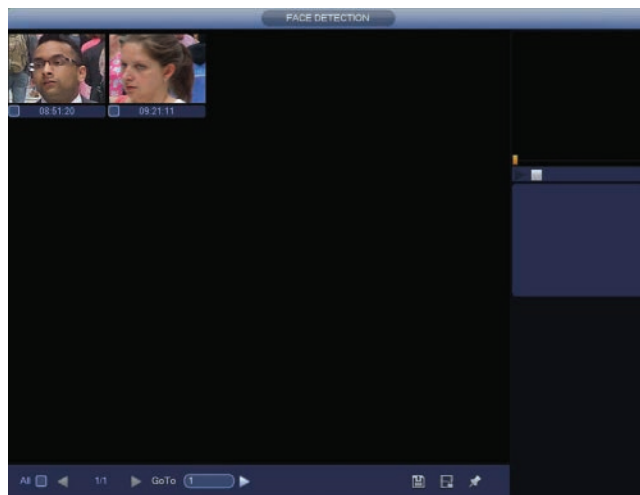


Fig. 6.2: Face Detection Smart Search.

6.2 Tripwire & IVS Setup

6.2.1 Tripwire Setup




1. From the Main Menu, select **EVENT** then the **Smart Plan** tab.
2. Select the **Channel** you want to set up. Click the  icon then **Apply** to enable the IVS.
3. Select the **IVS** tab. Select a Channel, then click **Add button** at the bottom. This will create a new IVS setting (Tripwire by default).
4. Click the **Draw button**  to bring up the Draw screen (Fig. 6.3).
5. **Left-click** on the screen to start drawing the Tripwire line. **Left-click again** to finish the line (optionally, you can add additional corners to the line by continuing to left-click). **Right-click** to finish placing the line.
6. In the top left window, you can alter the **Direction** that the line must be passed from to activate the event, as indicated by the arrow going across the line (A to B, B to A, or both ways).
7. Click OK to finish.
8. Click the **Trigger Button**  to bring up the **Trigger menu**, configuring what actions are taken once the IVS event is triggered. These configuration options are identical to the ones shown in 6.1.2 Face Detection Trigger.
9. Click OK to finish.
10. Click the **Enable box** to turn on the IVS rule.
11. Click **Apply** to save changes. If done correctly, you will see the Tripwire in live view.



Fig. 6.3: Tripwire Draw screen.

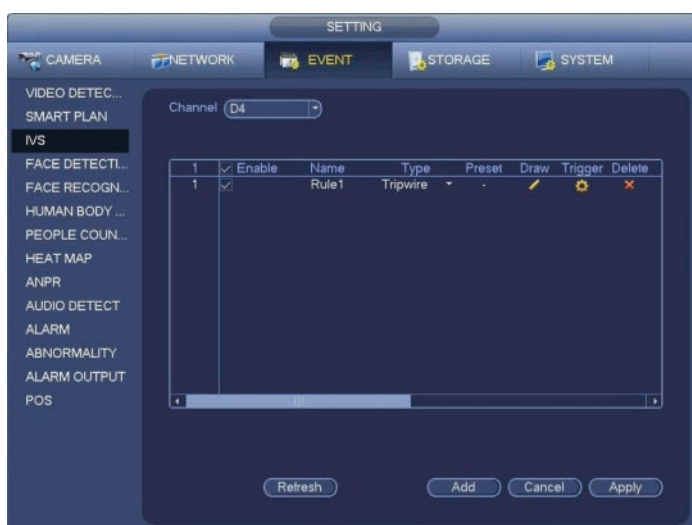


Fig. 6.4: IVS setup screen.

6.2.2 Intrusion/Abandoned/Missing Setup

Intrusion, Abandoned Object and Missing Object are all set up in similar ways to Tripwire - simply select which IVS you want to set up from **Type menu** (Fig. 6.4).

7. Troubleshooting

This concludes the Quick Start Guide covering the basic functionality of your VIP Vision Surveillance system. Should you encounter any difficulties with your setting up and using your system, please first refer to the tables below or visit the Contact Us section on the VIP Vision website at www.vip-vision.com.

Area	Menu Navigation	Guide Ref.
NVR Security Setup	Main Menu -> System -> Account	Section 2.1.2
Changing General Settings	Main Menu -> System -> General	Section 2.1.4
NVR Network Setup	Main Menu -> Network -> TCP/IP	Section 2.1.5
P2P & Remote View Setup	Main Menu -> Network -> P2P	Section 2.1.5
Configuring Cameras	Main Menu -> Camera -> Encode	Section 2.1.6
Changing Recording Schedule	Main Menu -> Storage -> Schedule	Section 2.1.7
Accessing Playback Footage	Main Menu -> Search	Section 4
Backing Up Footage	Main Menu -> Backup	Section 5

Problem	Troubleshooting	Guide Ref.
The NVR won't power on.	<ul style="list-style-type: none"> Ensure that the power cable is firmly connected to the recorder and to the wall socket. Confirm that there is power from the outlet. 	Section 1.2
The NVR is not being displayed on the monitor.	<ul style="list-style-type: none"> Ensure the display cable is firmly connected to the recorder & monitor. Ensure you have selected the correct input on your monitor. Test the recorder's display output with different monitor. 	Section 1.2
Cameras aren't displaying live video.	<ul style="list-style-type: none"> Ensure that you are not in playback mode, right mouse click to exit. Ensure power is connected to cameras and that the BNC connectors are firmly connected to the NVR via the camera cable. Swap with known working cables and cameras to test. 	Section 1.2
The NVR is displaying No HDD.	<ul style="list-style-type: none"> Check if the HDD is properly connected. 	-
The NVR is not recording video.	<ul style="list-style-type: none"> Check if the HDD is installed and properly connected. Check that the recording method you have chosen to implement is in use. 	-
Motion is not being detected or recorded by the NVR or unable to Smart Search.	<ul style="list-style-type: none"> By default motion detection is enabled, however, check by navigating to Main Menu -> Setting Event -> Video Detect. The Enable check box should be checked for all relevant channels. Ensure that a period has been selected in the Recording Schedule for motion detection recording and that the period is filled in yellow. Check motion sensitivity and adjust motion detection area, see: Main Menu -> Setting Event -> Video Detect: Region Set. 	Section 2.1.7
Cannot connect to NVR on smartphone or tablet.	<ul style="list-style-type: none"> Ensure that the NVR & device are connected to the Internet and that the connection is strong enough to receive video (min. 3G speeds). Ensure that the admin password is correct in the iDMSS/gDMSS/Easyviewer app. Ensure the extra stream settings are set to recommended settings. 	Section 2.1.5
The recorder will not detect a USB device for backup.	<ul style="list-style-type: none"> Ensure that the USB drive is formatted to FAT32 or NTFS. Try using another USB flash drive to test compatibility. 	Section 5.1
Face Detection / IVS features are not working correctly.	<ul style="list-style-type: none"> Ensure that Intel (blue) recording schedules have been set up in Schedule. Ensure that Enable has been checked for each rule on the IVS screen. 	Section 2.1.7 Section 6.1 Section 6.2



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For more information, please visit:
www.vip-vision.com