Viper VCAM NVR
(Network Video Recorder)

USER GUIDE

IMPORTANT

If your system includes PTZ (pan-tilt-zoom) cameras, please note that freezing rain will ice it up (as it does everything else) and restrict movement or prevent movement at all. Should you experience freezing rain and attempts at panning (rotating) or tilting your camera not result in movement, please DO NOT KEEP TRYING to move it. Permanent damage can occur. Check the camera for ice buildup. Unplug the main power cord and carefully remove the ice buildup and verify the camera rotates and tilts easily and smoothly. Plug the power cord back into the receptacle and watch for the camera to pan and tilt during its startup sequence which happens several seconds after power is plugged back in. Damage to the camera as a result of freezing rain buildup will not be covered under your warranty.

NVR USER GUIDE WHEN CONNECTED TO A TV OR MONITOR

Congratulations on your purchase of a quality Viper VCAM camera system with an 8- or 16-channel Dahua NVR! This simple guide will help you enjoy your cameras on your TV or monitor. For use with a smartphone or tablet, refer to the "DMSS Mobile App" guide included with your system.

Amcrest models we use are:

- NV4108-HS (8-channel/camera)
- NV4116-HS (16-channel/camera)

NVR STARTUP AND LOGIN

When the NVR is first plugged in, it powers on automatically and starts booting up. Startup typically takes between one and two minutes.

When the NVR has completed booting up, the camera(s) will display automatically.

To view any camera full-screen, simply double-click that camera's display with the left mouse button using your included wireless mouse.

To return back to view all of your cameras, double-click the camera display with the left mouse button.


If any of your cameras are Pan-Tilt (PT) or Pan-Tilt-Zoom (PTZ) cameras, you will want to access the controls panel for your camera to be able to move it. To access the PTZ Control, right-click (click the right mouse button) anywhere on the screen to display the drop-down menu. Click the **PTZ Control** selection to open up the controls panel.
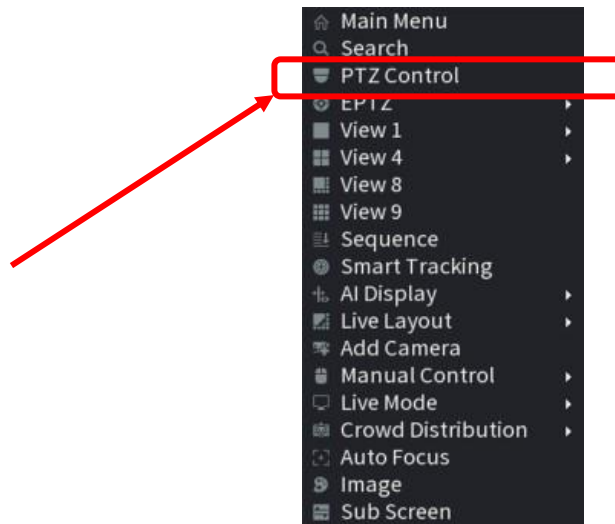
If you are logged into the NVR, the PTZ controls panel will appear. If you are not logged into the NVR, the system login screen will appear. **The login username is important, and is documented with your system on the first page of your system configuration.**
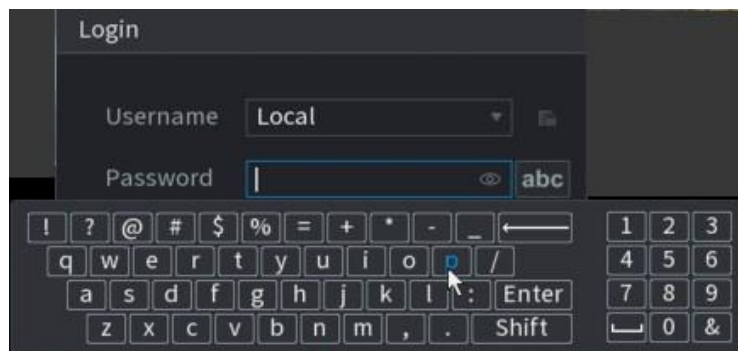
To log into the NVR:

1. When the SYSTEM LOGIN screen appears, click the arrow to the right of the Username field to change the username from "admin" to "Local"
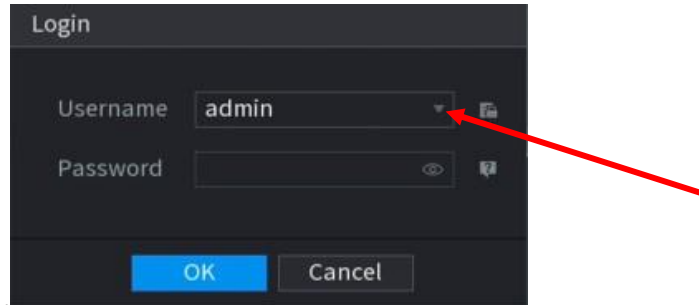

2. Select the **Local** username by clicking on it.
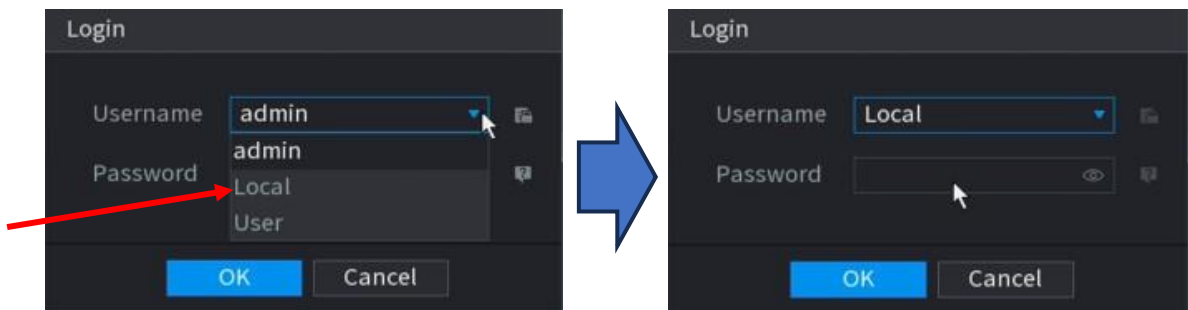
3. Next, you will have to enter the password for the Local user account. To do this, click on the empty box to the right of the "Password" label to open the on-screen keyboard. Use your mouse to move the arrow/pointer and click on each character of the password to enter it. If you make a mistake, simply click the back arrow character to erase a character.

4. Once the password is entered, point and click on the System Login screen once again to make the on-screen keyboard disappear.
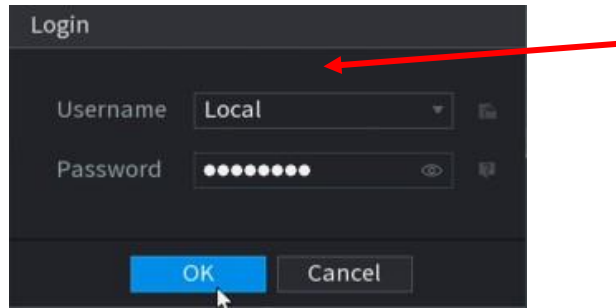
5. Click the OK button to log into the NVR system.
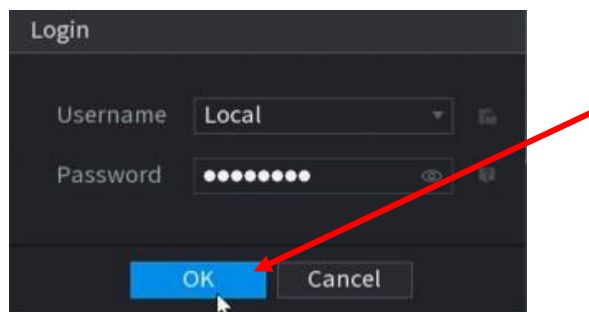
6. If the password was entered correctly, the PTZ control panel will appear. If the password was entered incorrectly, a message will be displayed indicating the credentials were entered incorrectly. Go back to step 1 to ensure the username is correct and enter the correct password.

Once the NVR is unlocked and you are logged in, the PTZ control panel appears.
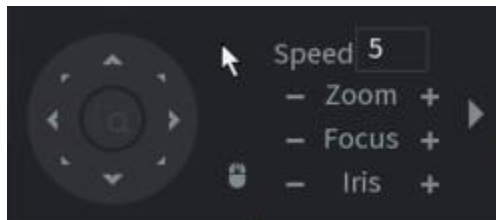
PTZ CONTROL

If any of your cameras are Pan-Tilt (PT) or Pan-Tilt-Zoom (PTZ) cameras, you will want to access the controls panel for your camera to be able to move it.

Freezing rain will ice up any PTZ camera, including the one(s) in your system (as it does everything else) and restrict movement or prevent movement at all. Should you experience freezing rain and attempts at panning (rotating) or tilting your camera not result in movement, please DO NOT KEEP TRYING to move it. Permanent damage can occur. Check the camera for ice buildup. Unplug the main power cord and carefully remove the ice buildup and verify the camera rotates and tilts easily and smoothly. Plug the power cord back into the receptacle and watch for the camera to pan and tilt during its startup sequence which happens several seconds after power is plugged back in. Damage to the camera as a result of freezing rain buildup will not be covered under your warranty.

First, you must determine which camera you want to control. To access the PTZ Control, right-click (click the mouse's right button) on that camera's display to display the drop-down menu. Click the **PTZ Control** selection to open up the controls panel.

A green box circles the camera's display indicating it is selected.
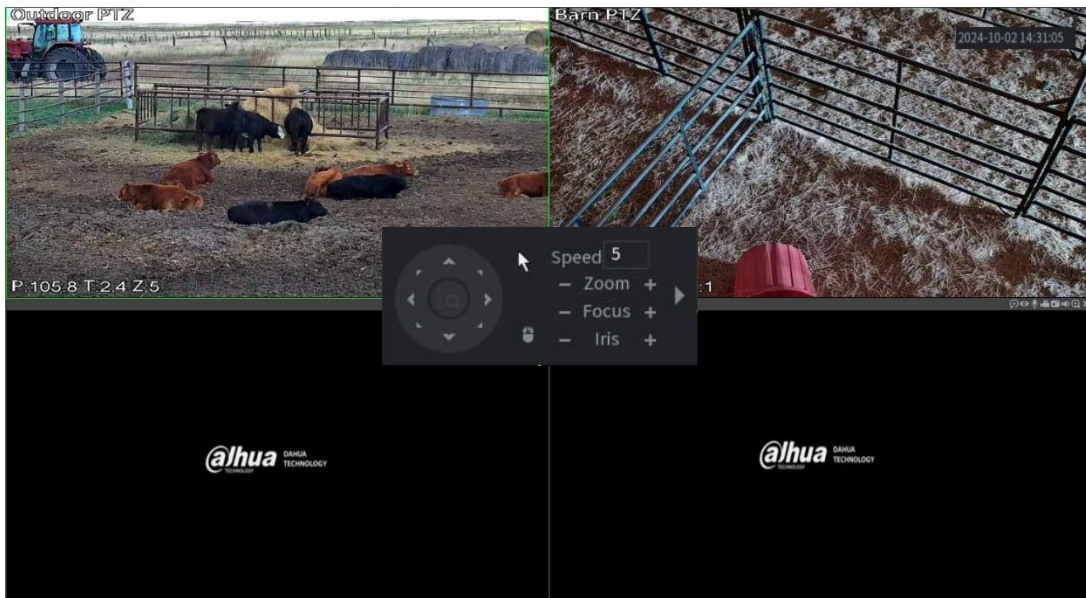
Moving your camera is simple: click on any of the 8 direction arrows. Clicking and holding down the mouse button results in the camera moving until the button is released.

Direction
Arrows

As with all IP cameras, there is a slight delay between clicking and the camera displaying its movement. This is normal and takes a little practice to get good at moving the camera.


If your camera video seems fuzzy or blurry while zooming, you are probably using the DIGITAL ZOOM rather than the camera's OPTICAL ZOOM. The digital zoom is enabled by using the scroll wheel on the mouse.

Digital zoom only enlarges the pixels (dots) that make up the video picture. Optical zoom actually makes the camera's lens zoom in on an object, keeping your display sharp and clear.

You will know that the digital zoom is in use when the mouse pointer on your screen turns into a hand.
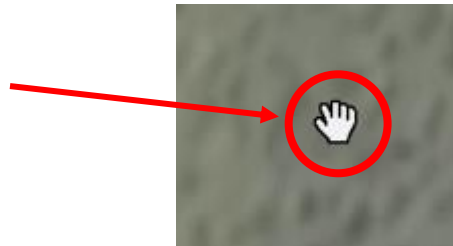
Do not use the digital zoom unless you have zoomed in on an object and need that little extra zoom power.

To zoom in using the camera's optical zoom, click the Zoom + button. As with moving the camera, clicking and holding the mouse button on the Zoom + will zoom it in quickly until the button is released. To zoom back out, click or click and hold the Zoom – button.

Zoom Out   Zoom In

If the camera moves too slow or too fast, you are able to change the speed using the PTZ controls panel. Click the number to the right of the Speed menu (e.g.: 5). You will be allowed to enter in any number between 1 and 8.

NOTE: The Focus and the Iris buttons are not used as all your cameras will have automatic focus and iris.

Helpful Tip

Many (not all) PTZ cameras' pan and tilt speed will slow down when the camera is zoomed in, even if only a little bit. This allows you to zoom in and fine-tune your directional control with more precision.

To close the PTZ controls panel, simply right-click anywhere on the screen.

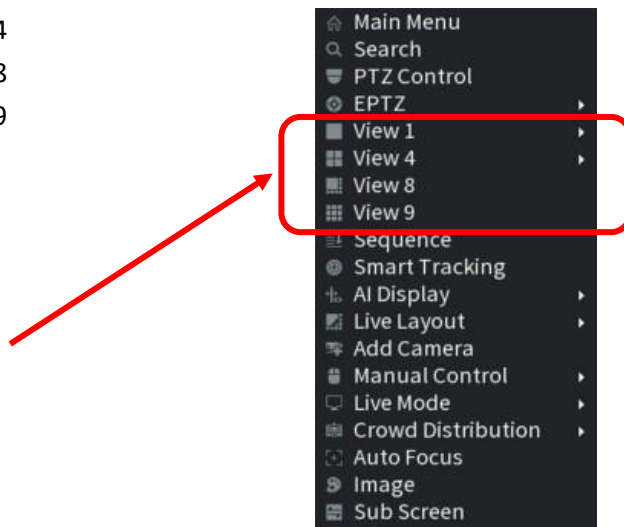See next page for advanced PTZ functions.

CHANGING VIEWS

To change the number of cameras you can see on the screen at once, right-click anywhere on the screen to display the drop-down menu.

Point your mouse pointer at one of the 4 options:

- View 1
- View 4
- View 8
- View 9

One or more options will "fan out" to the right from the main selections. Choose a selection by clicking on it to see the results.
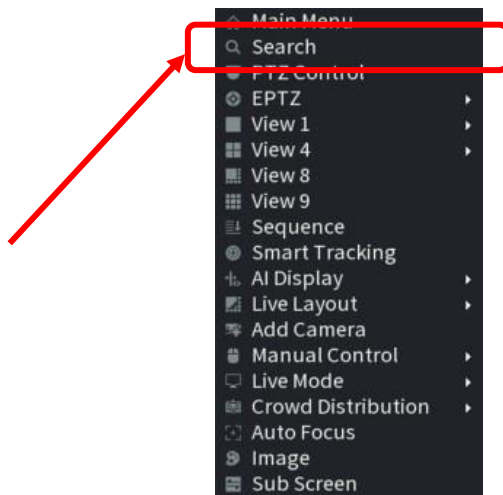
PLAYBACK OF RECORDED VIDEO

If your camera system's NVR is equipped with an optional recording hard drive, your cameras are set up to record video continuously, 24 hours a day, 365 days a year (unless configured differently upon customer's request). Depending on the number of cameras that are recording, and the size of the hard drive in your NVR, you'll get a minimum of 4 days of recording.
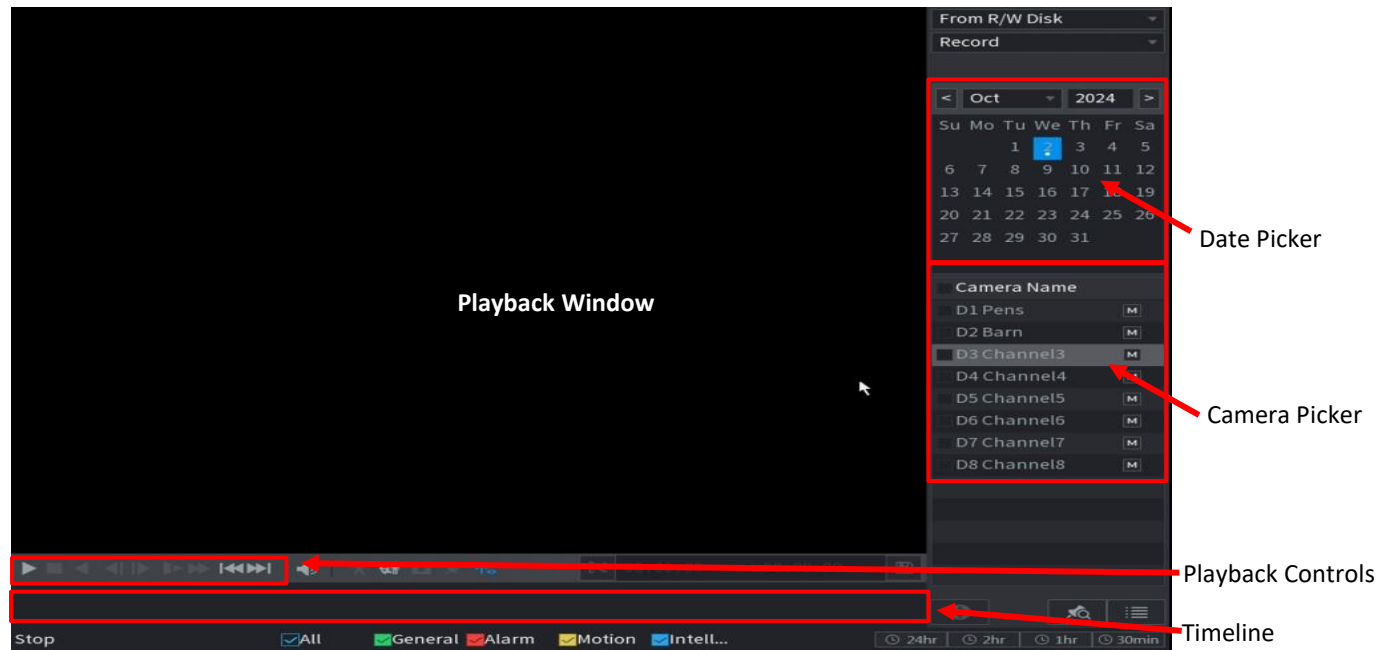
To access the Playback section:

Right-click anywhere on the screen to display the drop-down menu.


Click SEARCH.

The Search/Playback window opens, with several important sections:

To play back recorded video on this camera, do the following:

1. Using the Date Picker, click on the desired date that holds the recorded video you want to play back. Any date on the calendar that has a dot under it has recorded video.

2. Using the Camera Picker, click the checkbox next to the camera(s) you want to view recorded video of.
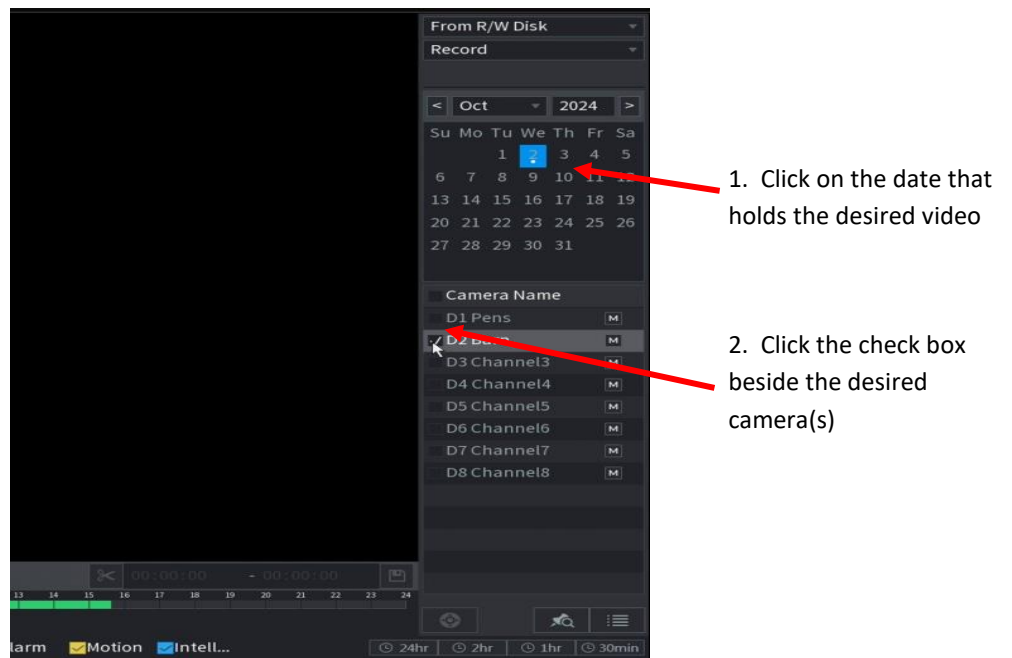
3. Once the date and camera(s) are selected, the Playback Controls and Timeline are available. Click on the Timeline to select the beginning of the playback and to start the video playback.

To return to the normal Camera view, simply right-click the mouse anywhere on the screen. You may need to right-click twice if the video hasn't been stopped.