

## ◆ Thank you

for choosing Crystal Vision Technology Surveillance System. This guide is for you to set up the system and quickly set up the system and have it up and running. For more detailed guides and functions of the system, please refer to our full user manual.



## 🏠 Applications

This system is a standalone surveillance system with built-in 10.1 inch screen. By connecting the NVR to the internet, you can have a limited access to the NVR system online\*.

\*internet service is required.

## 📋 Note

This product may require assembly, cabling, and testing. Please read this guide before any assembly or installation.

## ! Safety Caution

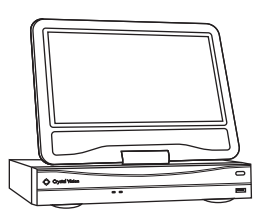
1. Please do NOT place any object on the top of the system
2. Do Not block the vent and place the system in well ventilated place.
3. Use only included power supply and correct power supply for the system and the cameras.
4. Do NOT place or operate the system out side of its working temperature and other conditions.
5. Please follow the Federal, State, and your local government regulations and policies for Installation and operation of surveillance system.

## 📦 Unpacking Audit

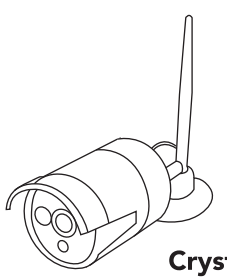
Please unpack and check all the parts and accessories. - Refer to the Check List. Please report any missing or defective items to us at support@cvtus.com

## ⚙️ Setting up the System

This system is a standalone with the embedded Linux Operation System in the NVR. With built-in 10.1 inch monitor you don't need to install a monitor. The system also supports HDMI for output to the TV.

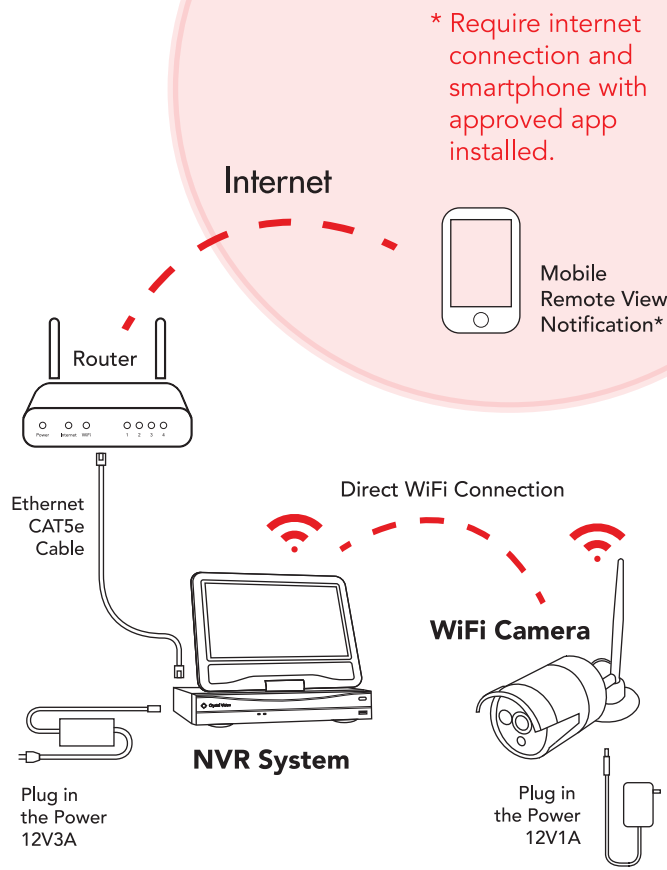


Crystal Vision NVR System with Built on Screen



Crystal Vision WiFi HD Camera

1. Install antennas for cameras and the NVR.
2. Open up the built-in 10.1 screen on top of the NVR.
3. Plug in the power adapter and power on the system.  
(Use the bigger 12V 3A power adapter)
4. Check the FAQ if the system & screen does not power on, If the NVR & screen is powered on skip to step 5.
5. Power on the cameras using the included power adapter.  
(Smaller 12V 1A power adapters)
6. Once the NVR & camera has been powered on wait about 10~30 seconds, you should see cameras images on the screen.
7. Plug the included mouse to a USB port on the front / back of the NVR. You shall then be able to operate the system using the mouse.



Please Double check You have connected correct power adapter.

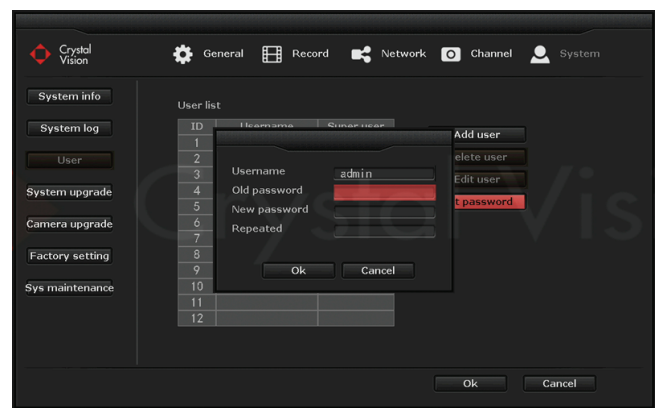
## System Login

Default System Log in

Username: admin / Password: (blank)

Note: To use the default password, just leave the password field empty, and click "OK" to log in.

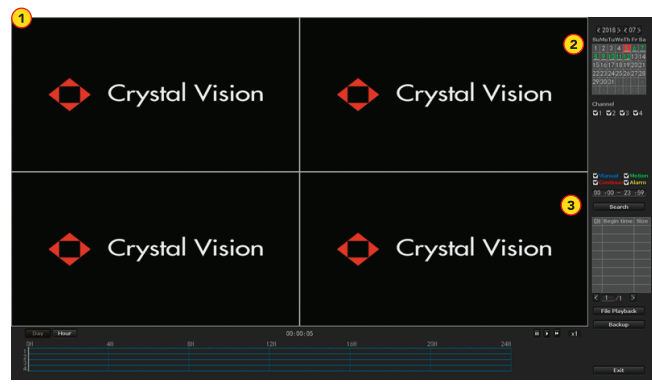
Recommendation: To protect your privacy, please change the password.  
(Right click the mouse to bring up the menu > System Setup > System > User > Set password).



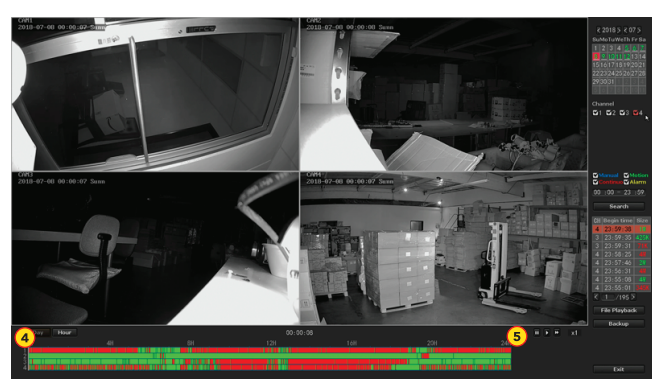
Take note of your NEW Password and Keep it in a Safe Place.

\*Recommended Maximum Character is eight (8).

## 📺 Video Playback



- Step 1. Right click your NVR mouse to bring up the main menu, and then click the "Video Playback"
- Step 2. Select the date using the calendar & channel right below the calendar. (Highlighted dates indicate that there is a recording.)
- Step 3. Once you have selected the date & channel, click "Search" to load the time frame at the bottom.



- Step 4. The time line shows the recording as bar from 0 to 24 hours.

- Continuous Recording (Default)
- Motion Detect Recording

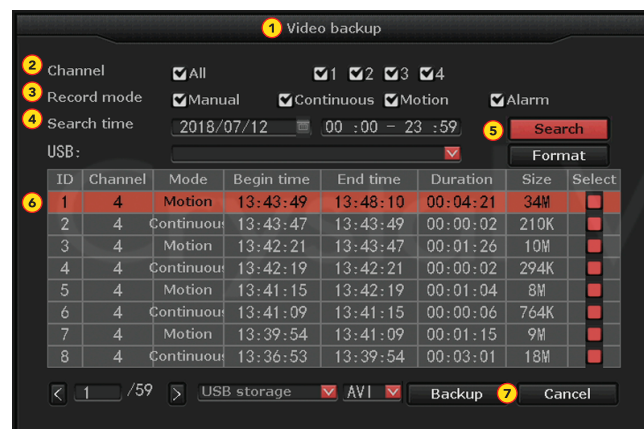
- Step 5. Use the player control to Pause, Play, and Fast Forward.

### Playback Button icons



To Rewind or go back, please left click on the time line.

## Video Backup



You can backup the video with USB flash drive. Before you start please make sure to plug the USB flash drive into the NVR's USB port.

**Step 1.** Right click your NVR mouse to bring up the main menu, then click the "Video Backup".

**Step 2.** Select the camera channel for search.

**Step 3.** Select the record mode for search.

**Step 4.** Select the date & time frame for the search.

**Step 5.** Click "Search" to load the recorded video files.

**Step 6.** Find the channel and time frame of all of the files you will like to back up and check the box on the right.

**Step 7.** Once you have checked all the box, click "Backup" to start the backup process.

**Note: Support up to 32Gb USB flash drive**

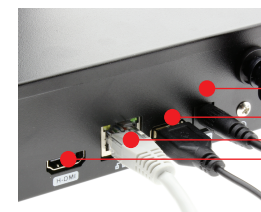
### Note:

For HEVC (H.265) systems (CVT804A-20WB / CVT808A-20WB), you will need to download the HEVC (H.265) codec for your media player, or download 3rd party media player supports the HEVC (H.265) codec. For more information, please refer to the codec information depends on your media player.

## Esee Cloud CMS

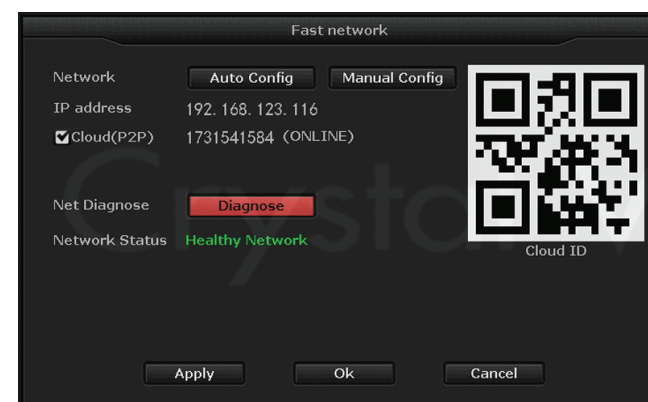
You can also download and install "EseeCloud" software on your Windows & Mac to view the system remotely. The CMS software along with its manual can be found at:  
<http://www.cvtus.com>.

## Remote View Setup



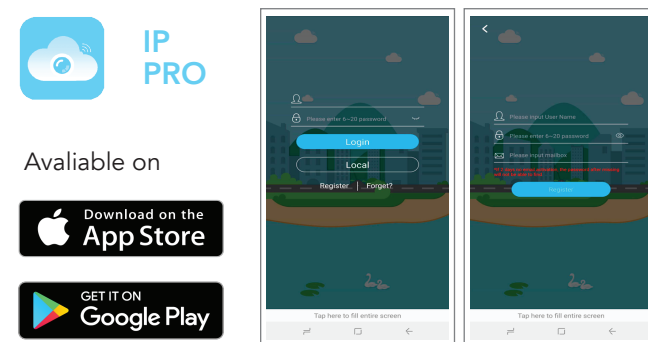
1. DC Power Port
2. USB 2.0 Port
3. Ethernet/CAT5e Port
4. HDMI Port

**1. Getting NVR System ONLINE**  
Connect the NVR to the router by plug in the Ethernet cable to the LAN port, and connect the other end to the Modem or Router.

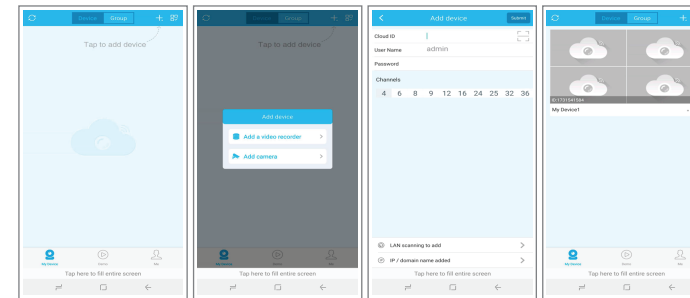


**2.** Right click on the mouse and go to "Fast Network". Within minutes NVR will obtain an IP address and "Network Status" will show "Healthy Network". Once you see "Healthy Network" skip to step 3.

\* If Network status shows "Gateway unreachable" then please click on the "Auto Config" and click "Yes" for a confirmation message. This will renew the IP address, and once it is finish network status message should update to "Healthy Network".



**3.** Download the IP Pro Application  
Please search the "IP Pro" on the App store / Google Play Store to download & install the free application. When finish installing the application open it and take a minute to "Register" an account.



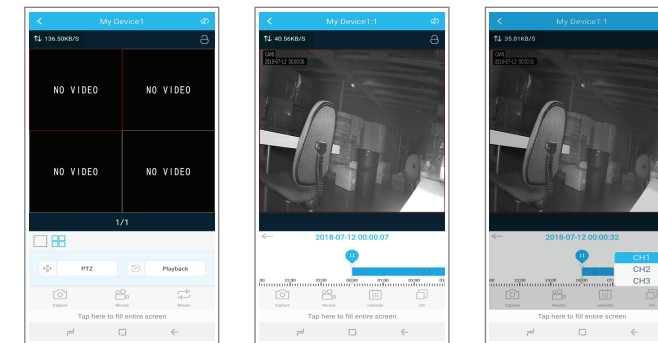
**4.** Adding the NVR system to your application  
Run the "IP Pro" and log in using the username / password you have created from step 2. Touch "+" > "Add Video recorder".

**5.** Now you can enter in the cloud ID (found in the NVR's Network setup), Username (default user name is "admin"), and Password (default is "blank" - empty). When you are done touch the "Submit" to save & exit back to the device list. Now you can touch the device you have added to start the remote view and see your cameras in live view.

Note: If you've changed the password on the NVR, please update your password on the application to view.

## Remote Playback

While viewing Live Video of the system, you can touch "Playback" to enter the remote playback menu. The app automatically playback camera 1, and you can watch channels by touching the "CH". You can also search by touching the "Calendar" to select the date & time you will like to view.



\*\*Videos in playback are in HD, which requires very good internet connection. We recommend you to use the WiFi connection for the remote playback. Remote playback on smartphone may not work 100% due to the condition of the internet connection.

## FAQ

**Q1: I cannot get any display on the built in screen.**

A: Make sure the system is powered on & press the "MONITOR" button front of the system. If it still does not display anything on the screen, please contact the technical support at: [support@cvtus.com](mailto:support@cvtus.com)

**Q2: Why some buttons on the system / App does not function?**

A: The system / App is developed to work with different model systems, so it has to cover all the functionalities which your model may not work with.

**Q3: The system does not go ONLINE.**

A: Please make sure the you have connected the NVR system to the router using the Ethernet (LAN) cable, and right click on the mouse to bring up the main menu and go to: Fast Network. In the fast network click on the "Auto config" and click "yes" for the confirmation message. This will renew the IP address of the system, and once it is finish your system should be ONLINE.

**Q4: I cannot connect using IP Pro application. "PWD Error".**

A: PWD Error shows up when the username & password you have entered in while adding the device does not match the username & password on the NVR system. To resolve this issue first delete the device you have added by touching "..." (3 dots) > delete. Once you have deleted the device touch the "+" > Add Video recorder. Now enter in your system's cloud ID number, username & password (For NVR system), and touch "submit" to save the device. Now touch the device you have added to start the remote viewer.

Note: Username & password are case sensitive, and make sure to enter in the system username & password.

**Q5: Do I have to have a router or internet service to use the system?**

A: No, the router / internet service is ONLY required for remote view via smartphone / PC. For internal use the NVR has a built-in WiFi router, enabling automatic connection to the cameras.

Note: Internet service is only required for remote viewing

# Have a Question?

## Customer Support



Email

[support@cvtus.com](mailto:support@cvtus.com)



Phone

213 - 999- 2759

Open: M - F 8am - 5pm PST