

THIS IS UNFINISHED

Software:

- FoscamVMS: <https://www.foscam.com/download-center/vms.html>
- Foscam VMS to MP4:
<https://www.foscam.nl/index.php/productattachments/index/attachments/v/803/>
- Foscam Equipment Search Tool:
<https://www.foscam.com/download-center/software-tools.html>

Other Guides:

- URL Commands:
<https://www.foscam.es/descarga/Foscam-IPCamera-CGI-User-Guide-AllPlatforms-2015.11.06.pdf>

To setup camera:

1. Connect to same subnet as the camera (only needed for first time use)
2. Turn camera on, wait for self-diagnostic run to finish
3. Using Equipment Search Tool, search for the camera's IP (will be displayed with name as well)
4. Double-click on IP, Foscam web client will pull up
5. Log in to the device, default username and password should be admin and blank
6. Follow the setup wizard (*have to go back and double check for anything extra during this*)
7. For hard reset, you must hold down a small button on the bottom side of the camera (labelled **Reset**) for 5 seconds, and the entire camera setup process can be done again.

To get feed from cameras (URL based, without capture):

1. Follow steps to setup camera
2. Initialize the Sub stream type (to MJPEG) using:

http://device_IP:88/cgi-bin/CGIProxy.fcgi?cmd=setSubStreamFormat&format=1&usr=username&pwd=password

This step avoids the white screen issue

3. Then initialize the Main stream type.

Put into your URL:

http://device_IP:88/cgi-bin/CGIProxy.fcgi?cmd=setMainVideoStreamType&streamType=0&usr=username&pwd=password

This should give a **result** value of 0 for success

4. Then, to get the feed itself:

http://device_IP:88/cgi-bin/CGIStream.cgi?cmd=GetMJStream&usr=username&pwd=password

If white screen still persists try restarting the camera (NOT a hard reset).

To get feed and capture (FoscamVMS, with capture):

1. Follow steps to setup camera
2. For further reference, use the FoscamVMS manual that comes with installation package
3. To login, use the default **admin** and blank username and password
4. To add device, click on the **Add Device** button in the top left with the monitor and plus sign
5. For name use the device name, use the same IP as before, and use the username and password used to login to the Foscam web client. Likewise, given you are still on the same subnet, search for the device with the credentials still filled. Click **Add** in the lower left corner. If the add was unsuccessful, go back and double check the IP, username, and password you put in match the correct ones.
6. To store the data, click on **Settings** with the large gear, just to the right of **Add Device**. Then go to **Video Record Settings**. From here, check the local path designated by FoscamVMS. This will establish the path, but *all* recorded data will be sent to the directory *VMS_Record*. Click **Save** at the bottom before exiting the window.
7. To record, first check the farthest left indicator at the bottom right camera feed screen to see if **Recording** is active. If it is not, go back and make sure the record path was specified. Else, click the **Record** button 3rd from the left, just to the right of the **Close** button. This button should light up, indicating the current feed is being recorded. To stop it, simply click the same button again.
8. For finding the recorded video and converting it from VMS to MP4, launch the Foscam VMS to MP4 tool (must be launched from same directory as installation package due to .dll dependencies). I suggest creating a new directory to store the converted MP4's in (I called mine *VMS_Capture*). For **Source File** navigate to the *VMS_Record* directory and click the file you wish to convert. Then for **Destination File** navigate to your new directory and name the new converted file. Then click **Convert**, and your new MP4 will be in the directory for use.