1. Connect camera to power using the 24v m12 connector on the side of the camera or using the USB C power supply included. Make sure the 24v source you choose can provide at least .6 amps.
2. Connect to the web interface to configure the cam (Cam IP:5000)
3. Upon connecting to the web setup interface, you should see options for your trigger type.
   1. Ethernet: Select this for use with the Debug\_Camera AOI, the cam must be connected to the corporate network over wifi or ethernet.
   2. External: Select this for a hard wire trigger through the male 5 pin connector (Only works with 24v power supply connected to the male 5 pin connector)
   3. Internal: Select this for when a PLC trigger is not possible. Connect a sensor or switch to the female 5 pin connector. (Only works with 24v power supply connected to the male 5 pin connector)
4. If using Ethernet trigger, enter the corporate IP address of the PLC you wish to connect to, and enter the name you would like to use for the camera.
5. Enter a value into the record time box, this defines the amount of time before the trigger that will be recorded.
6. Press the test to test the configuration or done button to finish and a video preview window should appear on the camera.
7. When using Ethernet trigger import the DebugCam AOI into your program and use the “CamName”.Trigger tag to capture. The AOI also provides camera status, the ability to change the filename with the “CamName”.Filename tag.
8. Tag1-4 are used to track the values of tags in the plc and display them on the recorded video.
9. To view the saved videos navigate to the /home/admin folder, files should be labeled with the date and time they were saved. This can be done on the camera display or over the network with SFTP, Hostname: (Camera IP address) login is User: admin Pass: password, for FTP clients WinSCP and Filezilla are good options
10. If you notice a lightning bolt symbol in the top right corner of the screen you may be using a power supply that can’t supply enough power, it is recommended you use the one supplied with the camera or the 24v input.
11. If you have any questions feel free to contact me [jordan.shrauger@gentex.com](https://gentexmi-my.sharepoint.com/personal/jordan_shrauger_gentex_com/Documents/jordan.shrauger@gentex.com)

Notes:

\* AOI available in the /home/admin/ folder or on the included USB drive.

\* All cam control/tag tracking tags must be global scope

AOI Current Rev: 1.5

Known Bugs

If the cam runs for more than a few days without a trigger the cam may slow down and freeze. For now make sure the cam is triggered once per day. In the code example below I am using the plc clock to trigger once per day at midnight.

Example Logic A white rectangular object with a black line

AI-generated content may be incorrect.