

# QHY8 CCD Camera



Before attaching the camera to the computer, follow the directions below to install the camera drivers.

## INSTALLING DRIVERS IN WINDOWS XP

The following steps must be completed before plugging the QHY8 into the computer.

Run the **Install.bat** file on the CD (double click to run it).

This should automatically install the necessary files into the proper folders. If not, see the Vista installation instructions below to manually install the files.

If using MaxIm DL, run the QHY8\_Maxim.exe file. You can now run the QHY8 with MaxIm DL.

## **INSTALLING DRIVERS IN WINDOWS VISTA**

Follow these steps to manually install the QHY8 drivers before plugging the camera into the computer. The install.bat file will not automatically place the necessary files in the proper folders in Vista so this must be done manually.

Go to **START > CONTROL PANEL > FOLDER OPTIONS**

Select the **VIEW** tab

Under Hidden Files and Folders, change to **SHOW HIDDEN FILES AND FOLDERS**

Uncheck **HIDE EXTENSIONS FOR KNOWN FILE TYPES**

Click **OK**

Close **CONTROL PANEL**

Go to **START > COMPUTER > C:\ > WINDOWS > INF**

Copy the QHY600.inf file from the CD into the INF folder

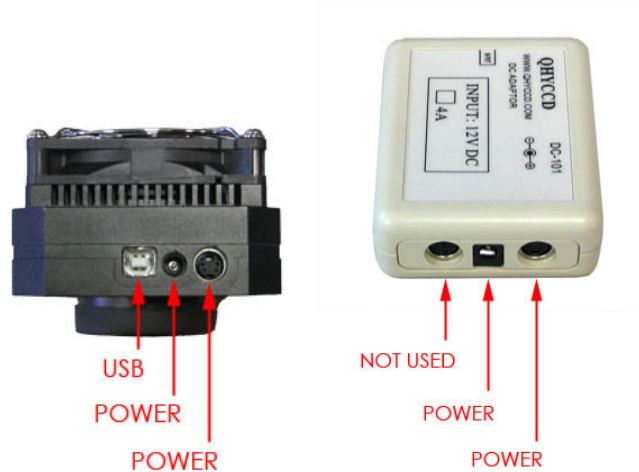
Go back to the WINDOWS folder and select **SYSTEM32 > DRIVERS**

Copy the ezusb.sys and QHY600.sys files from the CD to this folder

If using MaxIm DL, run the QHY8\_Maxim.exe file. You can now run the QHY8 with MaxIm DL.

## ATTACHING THE POWER CABLES

The QHY8 has two power cables; one runs the cooler, the other runs the camera. Both must be plugged in for proper operation. The power ports on the camera are each unique, so finding the right cable the plug in should be no trouble. The same is true of the power interface box, except that there is one extra port which will not be used. This port is again unique, so the included cables cannot be plugged into it by mistake. Both AC and DC adapters are included with the QHY8. These will plug into the opposite side of the power interface box.



## INSTALLING HARDWARE (XP and Vista)

Connect the USB cable to the camera and computer. Note that the camera hardware will be installed only on the USB port you select on the computer. If you plug the camera into another port, you will have to run the following procedure again.

The **Found New Hardware Wizard** should appear.

Follow the instructions to automatically install the hardware drivers.

## CAMERA SPECIFICATIONS

- Total pixel: 3110 x 2030
- Active pixels: 3032 x 2016
- Pixel Size: 7.8um x 7.8um square
- Color method: RGB BAYER film on CCD
- Effective sensor area: 28.4 mm diagonal
- Readout noise: 8-12 e @600 Kpixel/s
- QE: 60% at green (Peak), 50% at blue and H-alpha
- Microlensing on chip
- Progressive Scan
- ABG: -110dB
- 16bit ADC with CDS and Preamp
- USB2.0 High Speed interface
- T-thread mounting
- Dimensions: 3.5" x 3.5" x 2.25"
- Weight: 1.2 lbs.(0.55 kg)

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