

Advantech AE Technical Share Document

Date	2016/07/28	SR#	1-2516538481
Category	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP	Related OS	--
Abstract	Connect Inspector PRO through Advantech PCIE-1172		
Keyword	PCIE-1172, PCIE-1174, Frame Grabber, Inspector PRO		
Related Product	PCIE-1172, PCIE-1174, Inspector PRO		

■ **Problem Description:**

How to connect Inspector PRO through Advantech PCIE-1172?

■ **Brief Solution - Step by Step:**

In this page, I will illustrate how to connect Inspector PRO through PCIE-1172/1174 and CVB.

Here we' ll show some required software and components. If you have prepared all components you need, please follow the following steps.

◆ Required Software :

- Inspector PRO 7.2.0.3 or higher
- Common Vision Blox 11.1 or higher
- One of the following licenses :
 - ✓ A Inspector PRO Dongle
 - ✓ CVB Image Manager
 - ✓ CVB CameraSuite over a GigE Camera purchased from Stemmer Imaging
 - ✓ Free CVB Trial License
 (We'll use Free CVB Trial License for an example)
- CAMNAVI_FULL_INSTALLER_v1100_20160627

◆ Components :

- Sherlock CVB driver contains the files
 - CVBDrv.dii
 - CVBDrv.ini
 - CVBDrvHistory.txt
 - CVBDrv_Sherlock CVB driver Documentation.pdf

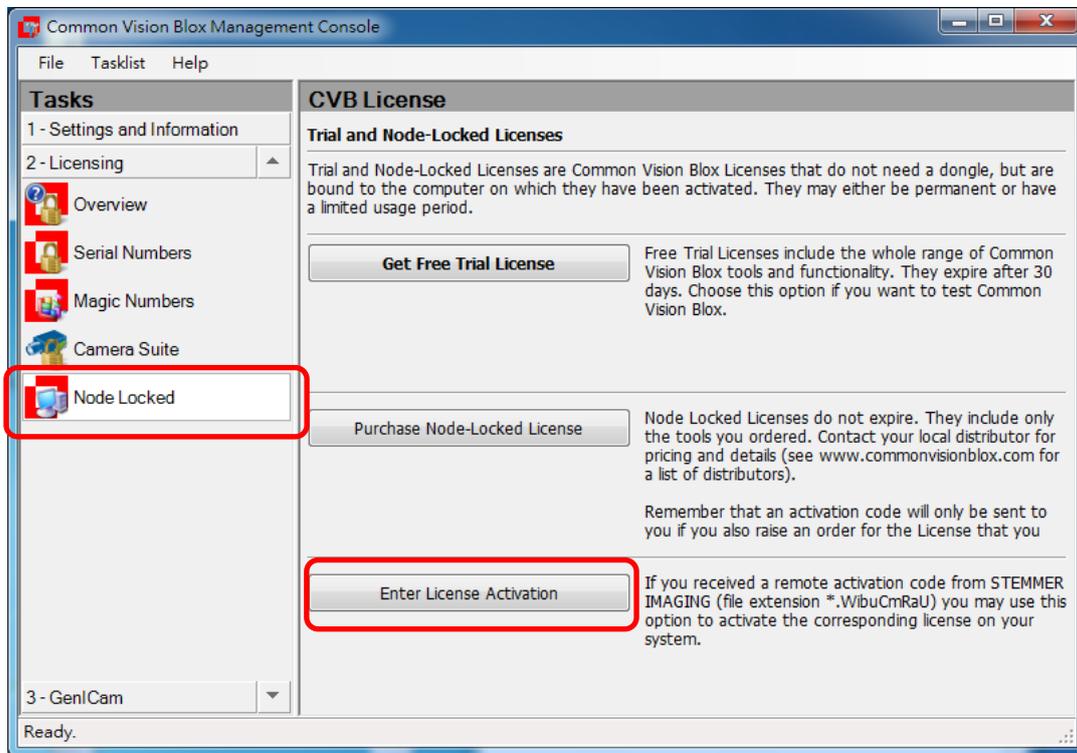
1.Install PCIE-1172/1174 and install CAMNAVI_FULL_INSTALLER_v1100_20160627

2.Install Inspector PRO

3.Install Common Vision Blox.

(You can download it here : <http://www.commonvisionblox.com/en/download/release.CVB102>)

PS. If you use Free CVB Trial License. Please enter Common Vision Blox Management Console, click Licensing→Node Locked→Enter License Activation→Add the license file.



Picture1: The image of how to add a Free CVB Trial License

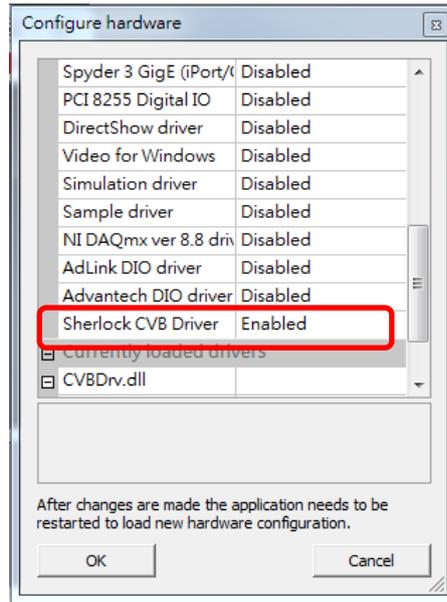
5. Install Sherlock CVB Driver.

6. Open the file named “CVBDrv” in Program Data→Advantech→Inspector PRO→Drivers→CVBDrv and type “Driver = %CVB%\Drivers\GenICam.win” in the region of [Camera0]

```
[Camera0]
Driver = %CVB%\Drivers\GenICam.win
CameraPort = 0
```

Picture2: The image of CVBDrv.

7. Open Inspector PRO to enable the Sherlock CVB Driver. Click Options→Acquisitions→Sherlock CVB Driver→Enable.



Picture3: The image of enable Sherlock CVB Driver.

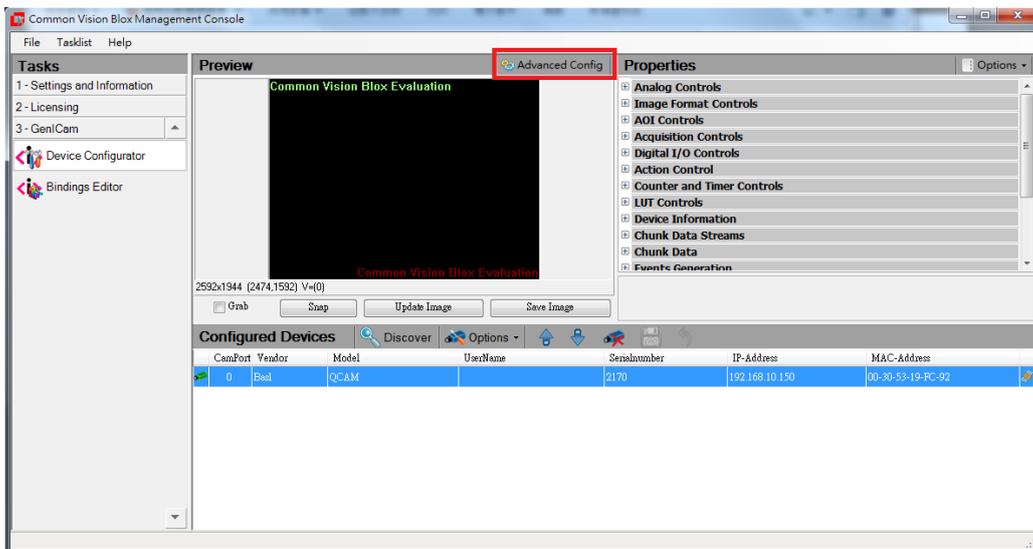
Or Open the file named “Drivers” in Program Data→Advantech→Inspector PRO→Drivers→Drivers and type “1” in “ENABLE”

```
[DRIVER10]
NAME=Sherlock CVB Driver
FILE=CVBDrv.dll
CONFIG=CVBDrv.ini
ENABLED=1
```

Picture4: The image in “Drivers”.

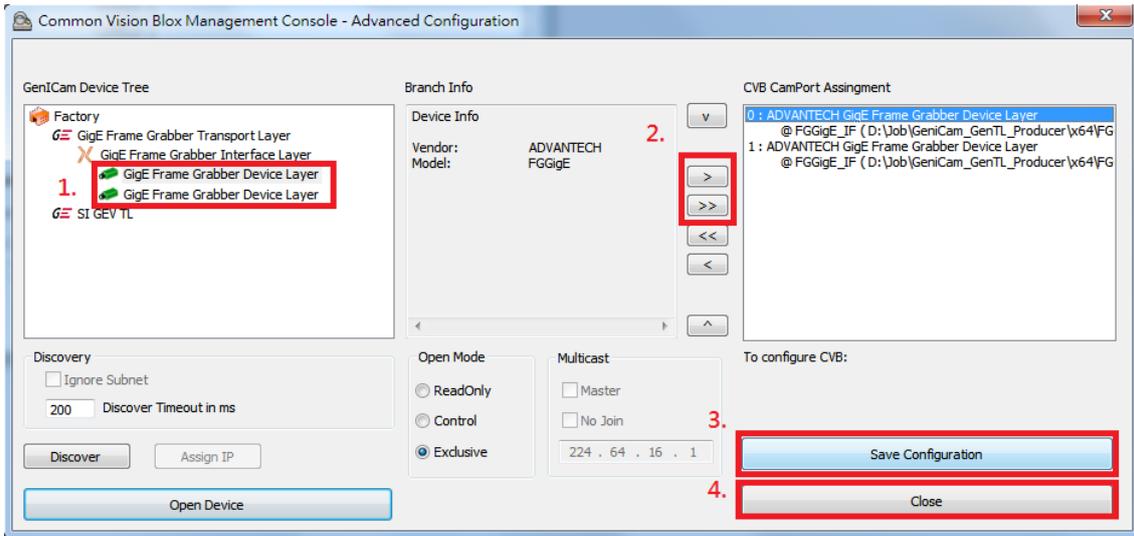
8. Before you restart Inspector PRO, please open Common Vision Blox Management Console and select “3-GenICam”.

9. Click the “Advanced Config” icon



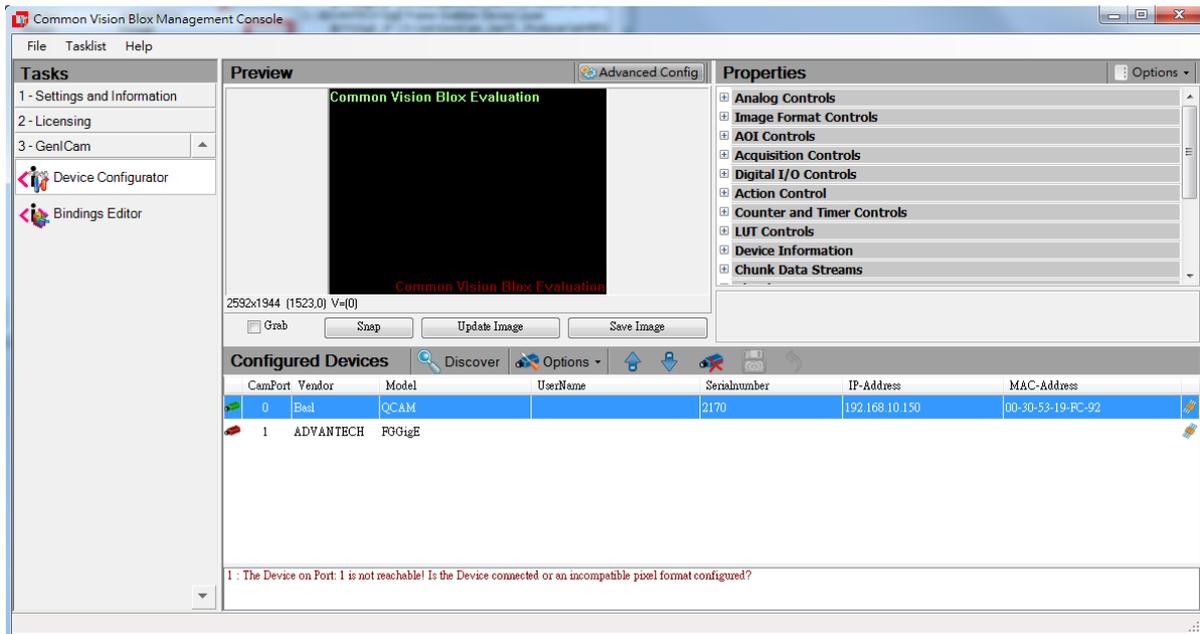
Picture5: The image of CVB.

10. Select the two devices on the GenICAM Device Tree, move to CVB CamPort Assignment, click the “Save Configuration” button, then close the window



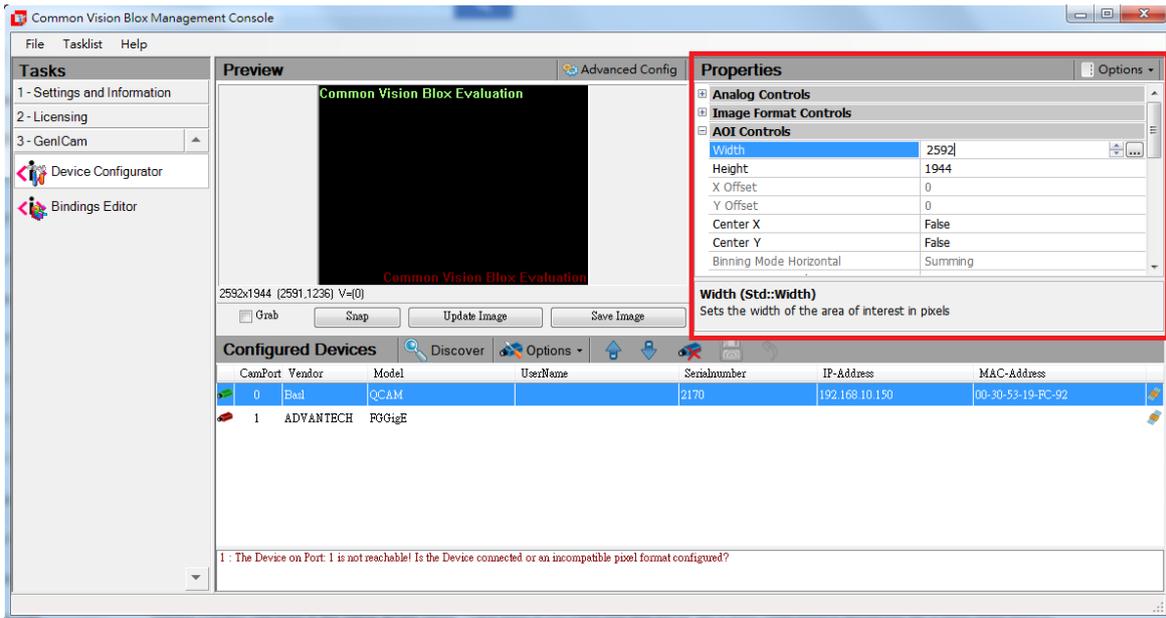
Picture6: The image of CVB.

11. The camera icon will become green if there is a camera connection.



Picture7: The image of CVB.

12. Change the parameters in the “Properties” window



Picture8: The image of CVB.

13. Check the “Grab” checkbox for live image or click the “Snap” button for one shot image and restart Inspector PRO

■ **Reference:**