

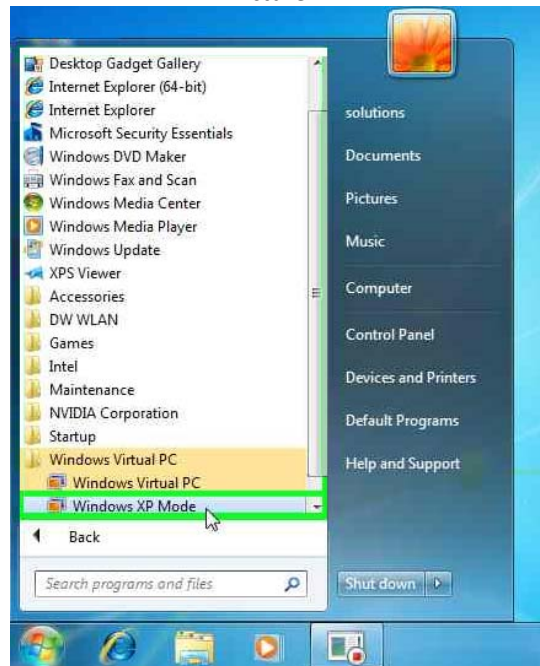
Configuring Windows 7 – 64 bit for AutoVISION

This document will describe how to configure a 64 bit version of Windows 7 Professional, Ultimate or Enterprise to utilize the Windows XP Mode (Virtual PC) capabilities to allow AutoVISION to be used in a 64 bit operating system.

Windows XP Mode and AutoVISION installation

1. Go to <http://windows.microsoft.com/en-us/windows7/install-and-use-windows-xp-mode-in-windows-7> and follow the instructions on this web page to install Windows XP Mode and Windows Virtual PC.
2. After Windows XP Mode and Windows Virtual PC are installed and the computer reboots, Go to the **Windows 7 Start menu > All Programs > Windows Virtual PC > Windows XP Mode** as shown in picture 1.
 1. Allow Windows XP Mode to configure itself for use.

Picture 1



3. Right click on the desktop in Windows XP Mode and select New > Folder. Rename this folder to Install_AutoVISION.
4. Double click on the Install_AutoVISION folder. Copy the SetupAutoVISION.exe to the Install_AutoVISION folder.
5. Double click SetupAutoVISION.exe to start the software installation. The installation may take 15 to 20 minutes and Windows XP Mode will reboot a couple of times.

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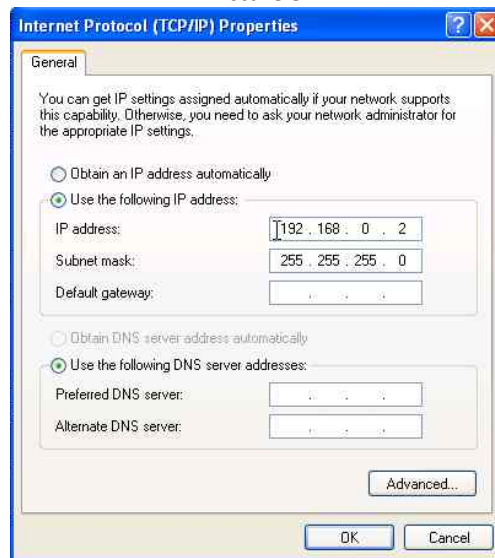
- After the AutoVISION software is installed, go to the **Windows XP Start Menu > Control Panel**. Select **Network and Internet Connections**, right click on the **Local Area Connection** and select **Properties** as shown in picture 2.

Picture 2



- Select **Internet Protocol (TCP/IP)** and click the **Properties** button. Select **Use the following IP address**. Change the **IP address** to: 192.168.0.2 and **Subnet mask** to: 255.255.255.0 as shown in picture 3. Click the **OK** button to close the Internet Protocol (TCP/IP) Properties and click **OK** to close the Local Area Connection Properties window.

Picture 3



- At the top of the Windows XP Mode window select **Tools > Settings...** as shown in picture 4.

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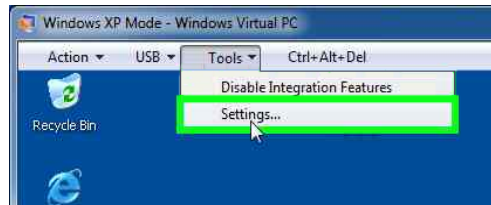
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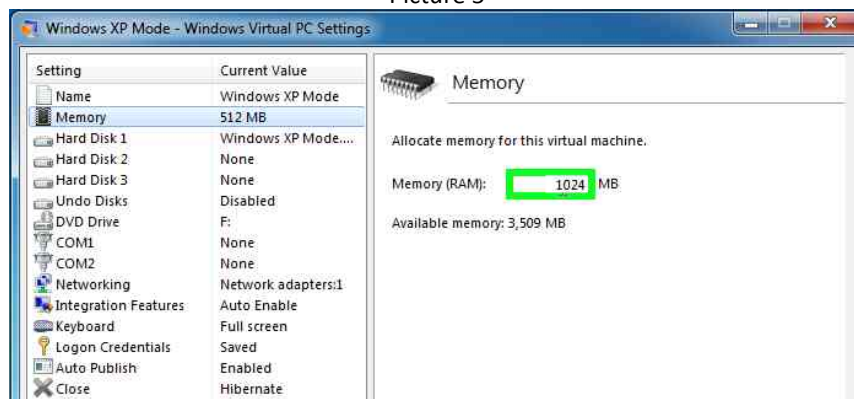
Picture 4



9. With the Windows XP Mode - Windows Virtual PC Settings window open, click on the **Ctrl-Alt-Del** in the Windows XP Mode window and select **Shut Down**.
10. In the Windows XP Mode - Windows Virtual PC Settings make the following changes:

Change the **Memory** to 1024 MB.

Picture 5



Change **Networking - Adapter 1** to use the wired Ethernet adapter on the PC as shown in picture 6.

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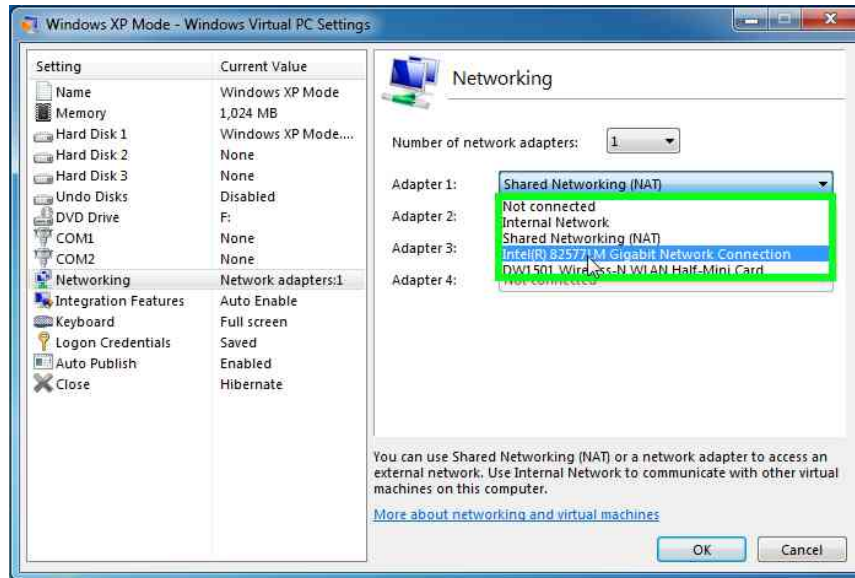
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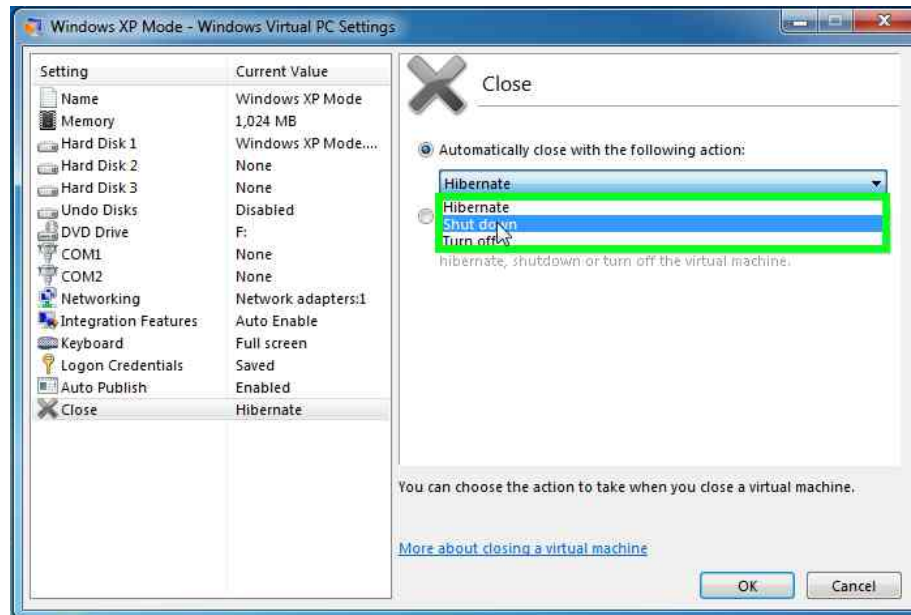
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Picture 6



Change **Close** to Shut Down. Click **OK** to save these settings and to close this window.

Picture 7



Using AutoVISION with the Emulator

1. In Windows 7, select **Start menu > All Programs > Windows Virtual PC > Windows XP Mode**.

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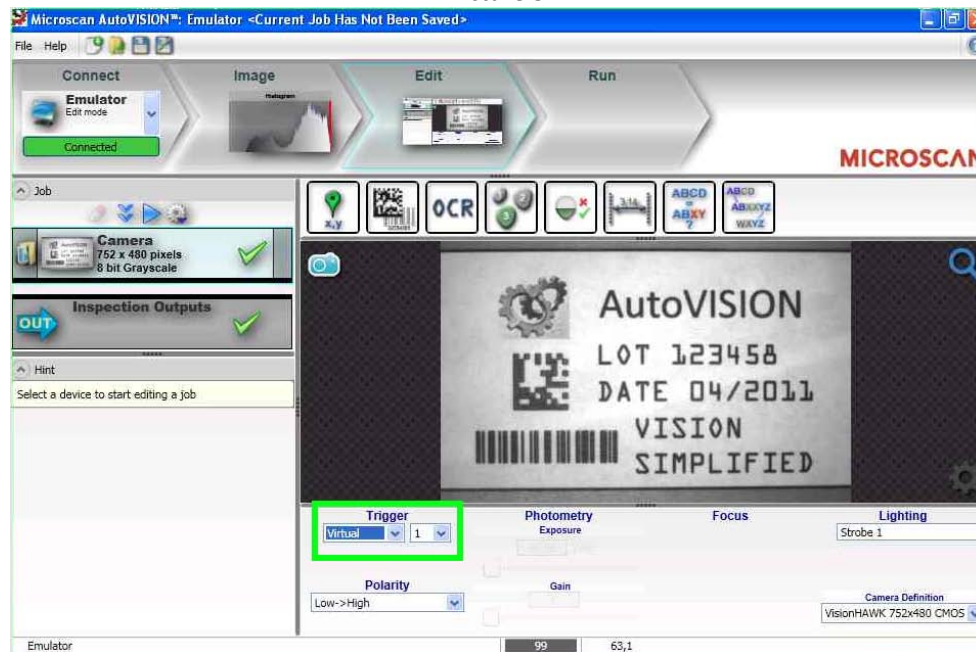
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2. In Windows XP Mode double click the **AutoVISION** icon on the desktop.
3. In the Connect field, select the Emulator and use as described in the AutoVISION documentation.

NOTE: Before running the AutoVISION job on the Emulator, the camera should be configured to be triggered using Virtual 1 as shown in picture 8. This is to prevent 100% virtual CPU usage, which will cause the AutoVISION user interface to stop responding to the mouse.

Picture 8



If the camera is set to use Virtual 1 as the trigger, the user can trigger the inspection by clicking on the square wave icon.

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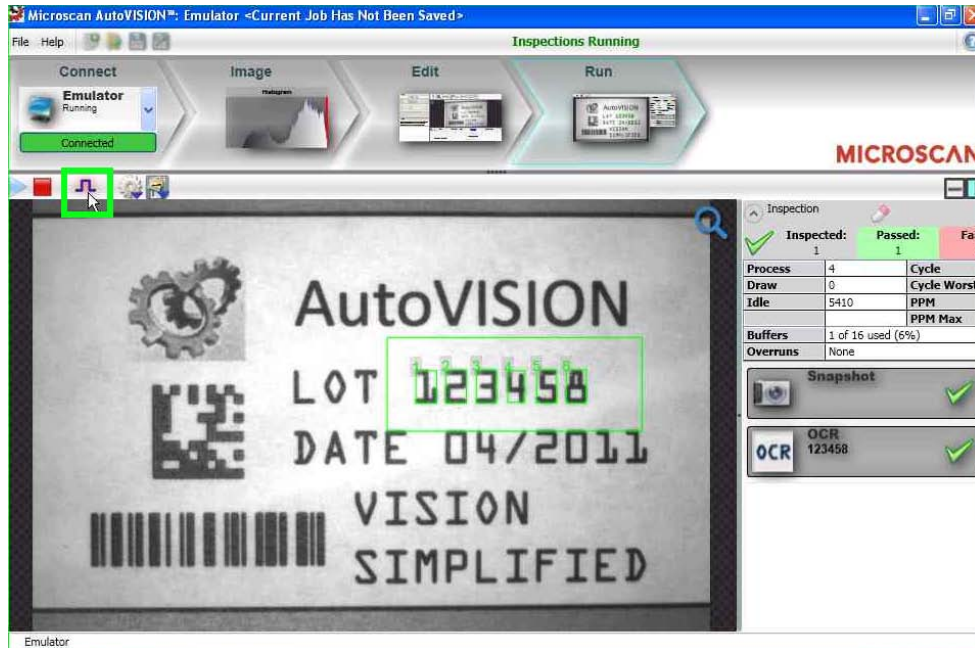
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Picture 9



Using AutoVISION with a Vision HAWK smart camera

1. Connect the Vision HAWK Ethernet cable to the PC and apply power to the Vision HAWK smart camera. Wait until the camera has started (up to 2 minutes).
2. In Windows 7, select **Start menu > All Programs > Windows Virtual PC > Windows XP Mode**.
3. In Windows XP Mode double click the **AutoVISION** icon on the desktop.
4. In the Connect field, select the Vision HAWK and use as described in the AutoVISION documentation.

Using AutoVISION with a Vision MINI smart camera

1. In Windows 7, select **Start menu > All Programs > Windows Virtual PC > Windows XP Mode**.
2. Apply power to the Vision MINI smart camera; once the camera has started (after approximately 1 minute) connect the Vision MINI USB cable to the PC.

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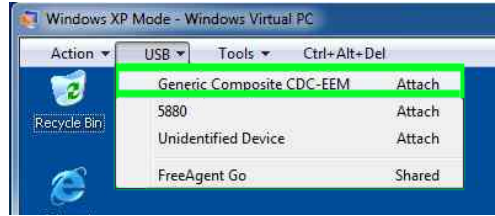
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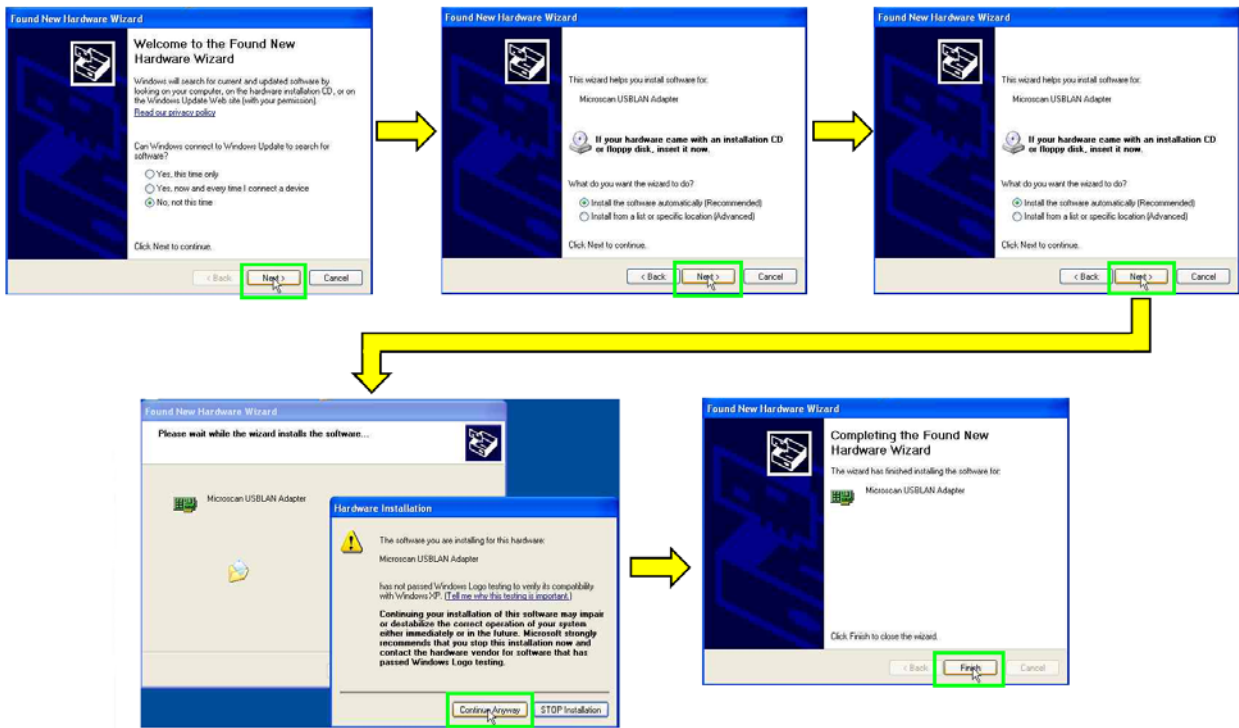
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Picture 10



- At the top of the Windows XP Mode window select **USB** and select **Generic Composite CDC-EEM Attach**. (This has to be done every time the Vision MINI is rebooted when Windows XP Mode is active.)
- The first time that a Vision MINI is connected a Found New Hardware Wizard will appear. Follow the prompts to install the USB driver required for the Vision MINI.

Picture 11



- In Windows XP Mode double click the **AutoVISION** icon on the desktop.
- In the Connect field, select the Vision MINI and use as described in the AutoVISION documentation.

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