

**PV-981 - 4 /8 /16 SDK**  
**(PCI Video & Audio Capture Card)**  
**Installation Guide**

A. Pre-installation	
1. PV-981 Product specification . . . . .	2
2. PV-981 Hardware Equipment . . . . .	2
3. PV-981 Connection . . . . .	3
4. Notice Before Installation . . . . .	4
4.1 About Hardware . . . . .	5
4.2 About Software . . . . .	5
B. Installation	
1. How to plug PV-981 into PCI-E slot . . . . .	5
2. How to install PV-981 drivers . . . . .	5
3. How to use the SDK application of PV-981 . . . . .	6
C. Q&A . . . . .	9

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## A. Pre-installation :

Congratulation ! You have purchased our PV-981 PCI-E Video/Audio Capture card, which using high quality chipset and offer the best video capture.

### 1. PV-981 Product specification :

	PV-981
Interface	
Bus	PCI-Express 1x
Video Input	4 / 8 / 16 ports BNC
Audio Input	4 ports BNC
Video Format	NTSC/PAL
Software	1.Win 2K / XP 2.SDK included (DirectShow interface)
System Requirement	Pentium IV 2.8Ghz or higher level PC 512 MB RAM 16X CD-ROM Windows™ 2K / XP OS AGP or PCI-E VGA card and Monitor

Note : Recommended to use INTEL M/B to install the products.

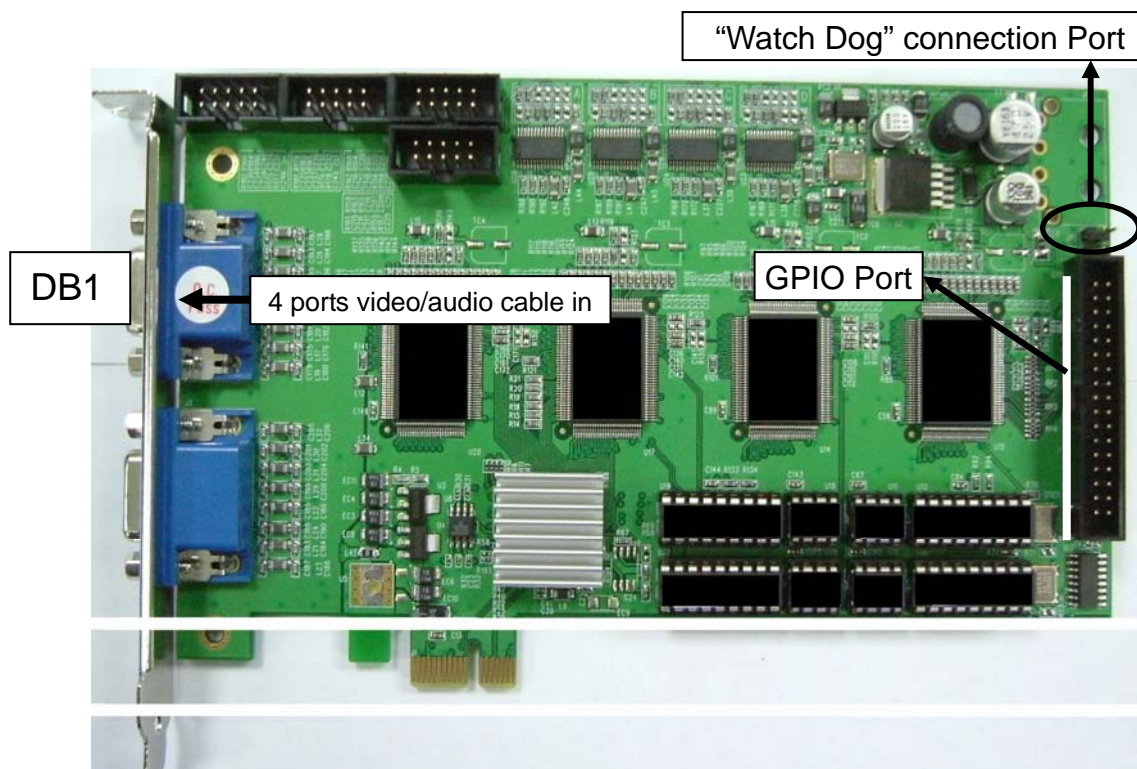
### 2. PV-981 Hardware Equipment :

- I . PV-981-4/8/16 Capture Card . . . . . 1pcs
- II . SDK CD . . . . . 1pcs
- III . User's Manual . . . . . 1pcs
- IV . Cable for "Watch Dog" . . . . . 1pcs
- V . D-Sub Video/Audio AUX Input Cable

2pin cable for "Watch Dog"

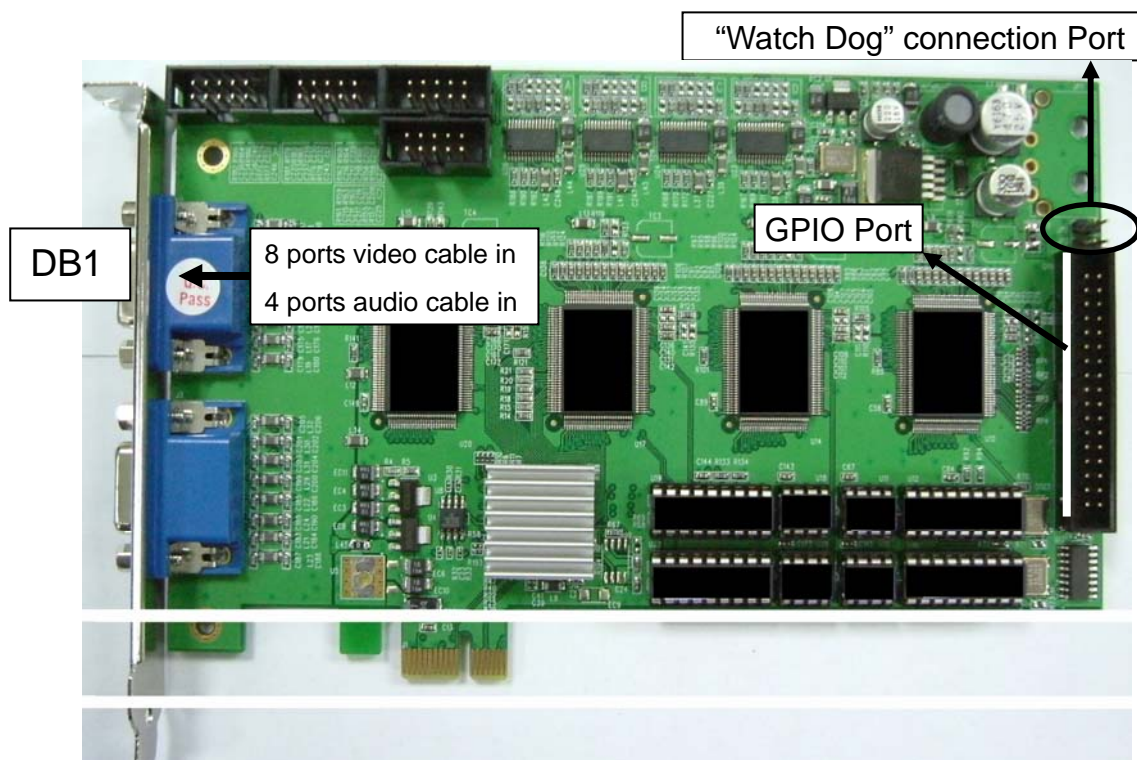


### 3. PV-981-4 Connection :

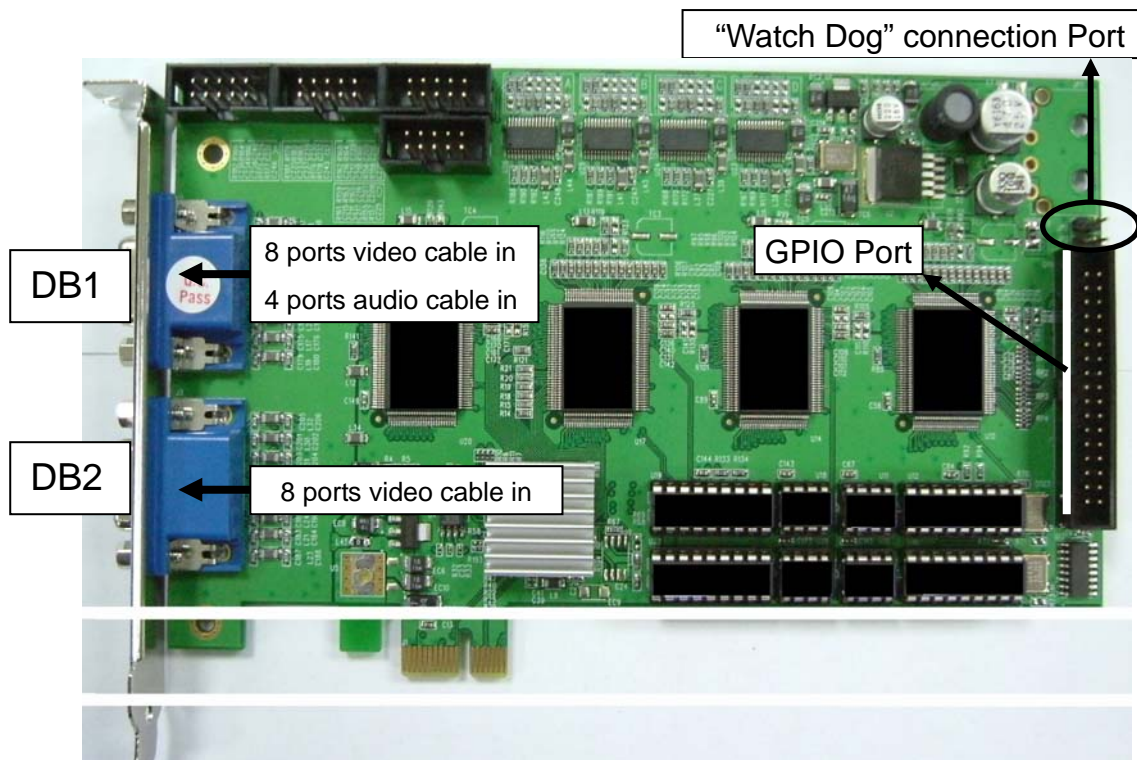


**NOTE : Install two\*PV-981-4 cards on one PC will be able to do 8 ports real-time video/audio capturing performance without any problem.**

### PV-981-8 Connection :



## PV-981-16 Connection :



## D-Sub Video/Audio AUX Input Cable :



**Cable1 : RED : Audio Cable (AUD1-AUD4) CH1-CH4**  
**BLUE : Video Cable(VID1-VID4)CH1-CH4**

**Cable2 : RED : Audio Cable (AUD1-AUD4) CH1-CH4**  
**BLUE : Video Cable(VID1-VID4)CH1-CH4**  
**GREEN : Video Cable(VID1-VID4)CH5-CH8**

**Cable3 : BLUE : VID1-VID4(CH9-CH12)**  
**GREEN : VID1-VID4(CH13-CH16)**



#### 4. Notice before Installing :

##### 4.1 About Hardware :

For PV-981 is a PCI-E 1x slot only used video/audio capture card, please confirm there are available PCI-E 1x slots for PV-981 using.

##### 4.2 About software :

Please make sure if Microsoft™ DirectX8.1 or higher version already been installed in Windows™ 2K/XP.

#### B. Installing Steps :

##### 1. How to plug PV-981 into PCI-E 1x slot :

1.1 : Please power off your PC.

1.2 : Open the casing.

1.3 : Insert PV-981 onto the available PCI-E 1x slot and tightly fasten the screws.

1.4 : Close the casing.

1.5 : Power on your PC.

★Notice : Please delete or uninstall the old drivers completely if you ever installed BT878 drivers or other video capture card before you install this brand-new PV-981. Or it will cause the compatibility problems with PV-981 drivers.

##### 2. How to install PV-981 drivers within Microsoft™ Windows OS :

2.1 : Use Microsoft™ Windows 2K/XP for operating system.

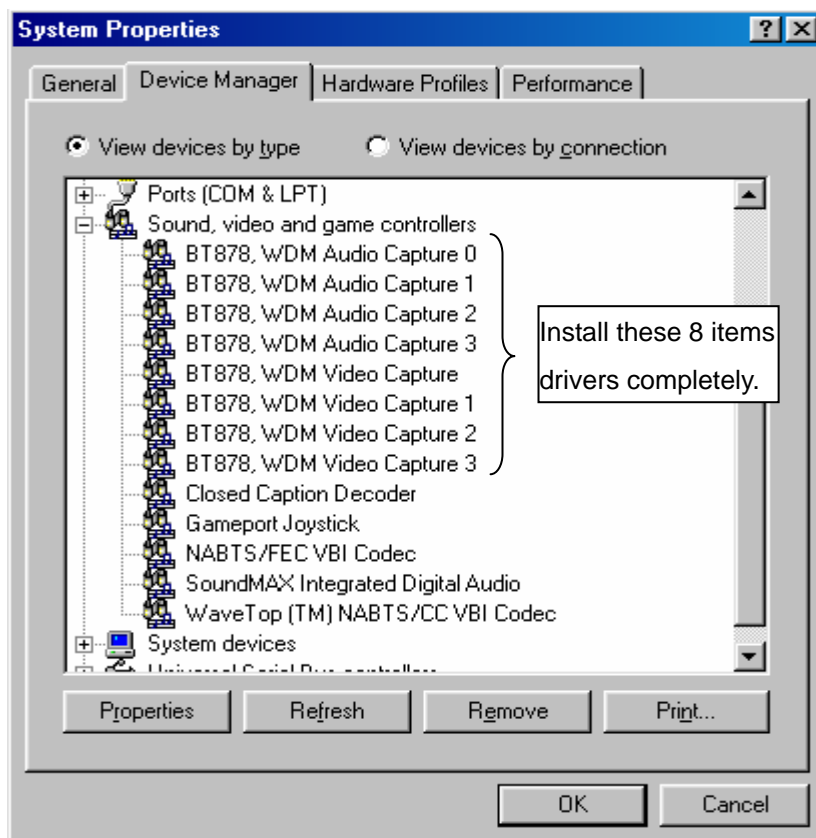
2.2 : After you log on into PC, Windows will detect PV-981 already been inserted into PCI-E 1x slot(s).

2.3 : Please insert the CD of PV-981 product into the CD-ROM.

2.4 : Let Windows Hardware Detecting Wizard search the driver and nominate the route to the driver location of CD, X : \PV-981(SDK)\Drv (Assume CD-ROM to be X : ) – We took Windows 2K OS for example.



2.5 : After installing the drivers completely , go to 「Control Panel」 -> 「System」 -> 「Device Manager」 check the 「Sound, video and game controllers」 already been installed below marked hardware items.



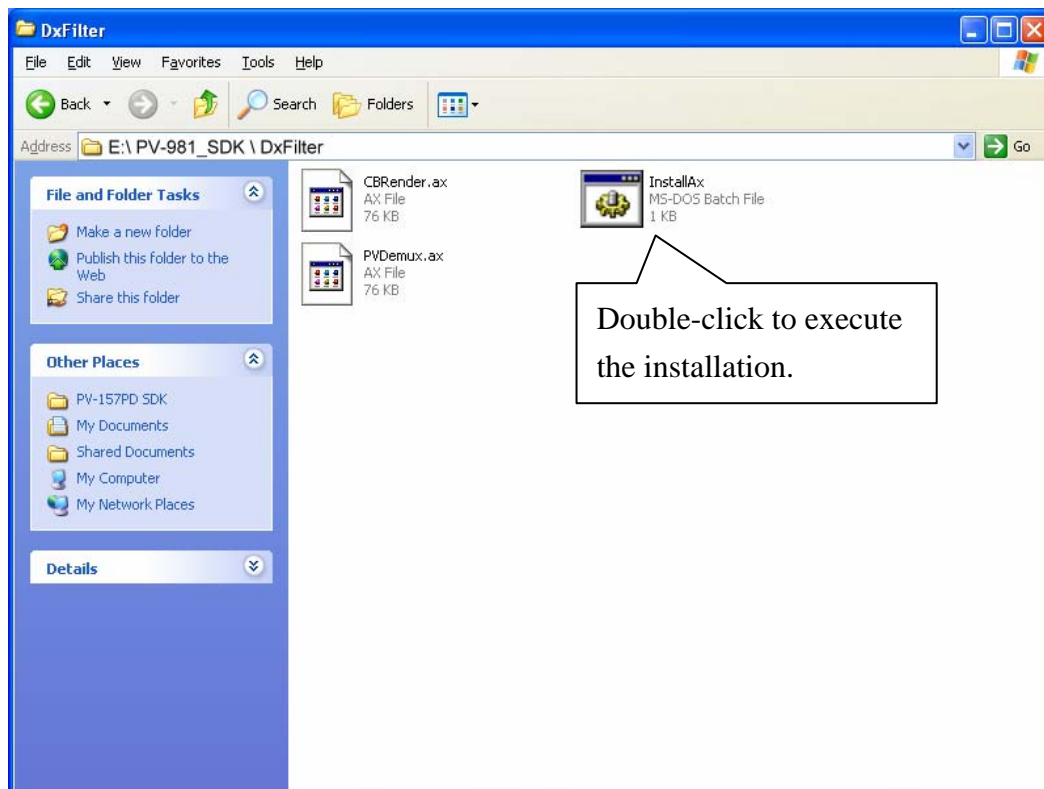
2.6 : As above Picture, it means that all drivers already been installed well.

### 3. How to use the SDK application of PV-981 :

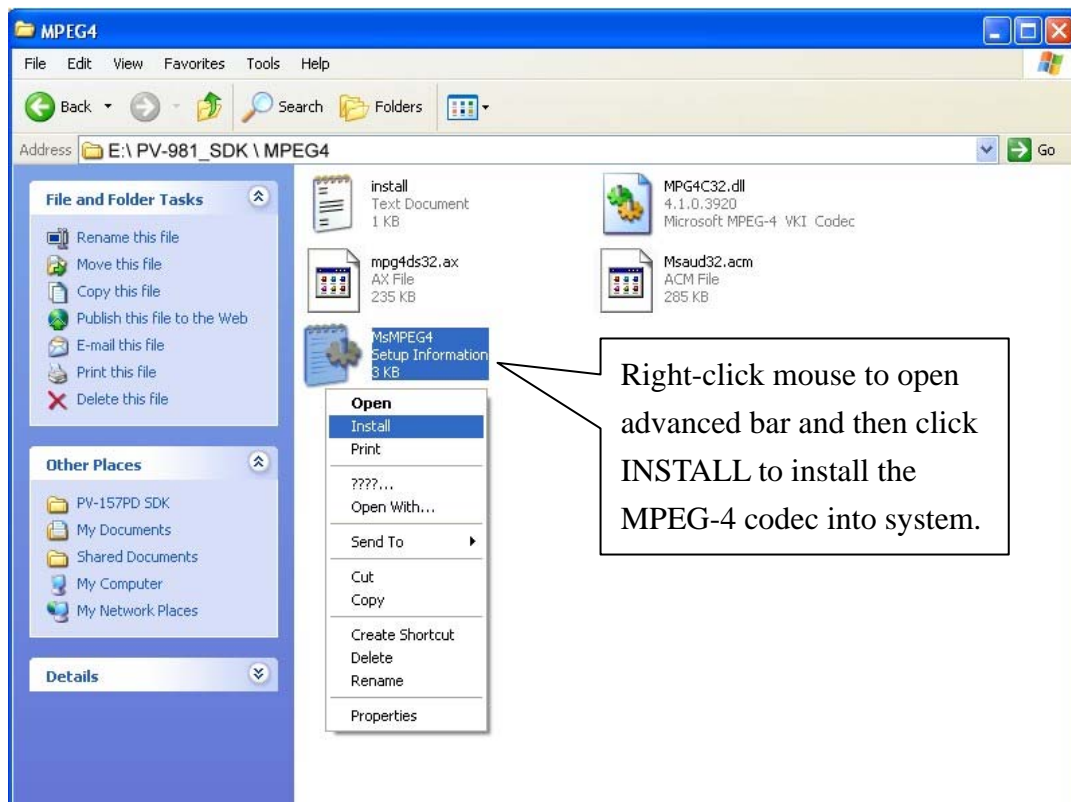
3.1 : Please insert the CD of PV-981 product into the CD-ROM, and find the X : PV-981(SDK)\ Bin\PAL(or NTSC).. Folder. Then copy whole folder to C : \ (As below Picture)



3.2 : After copy the folder to C : \..., Please execute X :  
\\PV-981(SDK)\DxFilter\InstallAx.bat at first.



And then install the codec of MPEG-4 under X : \\PV-981(SDK)\MPEG4 as below diagram :



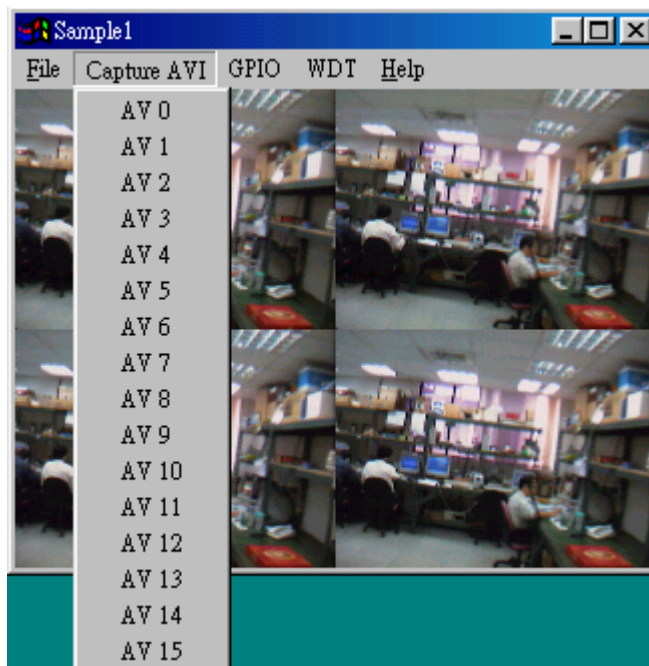


3.3 : Then execute Sample\_NTSC.exe or Sample\_PAL.exe according to your camera video mode for viewing the result. (As below Picture)

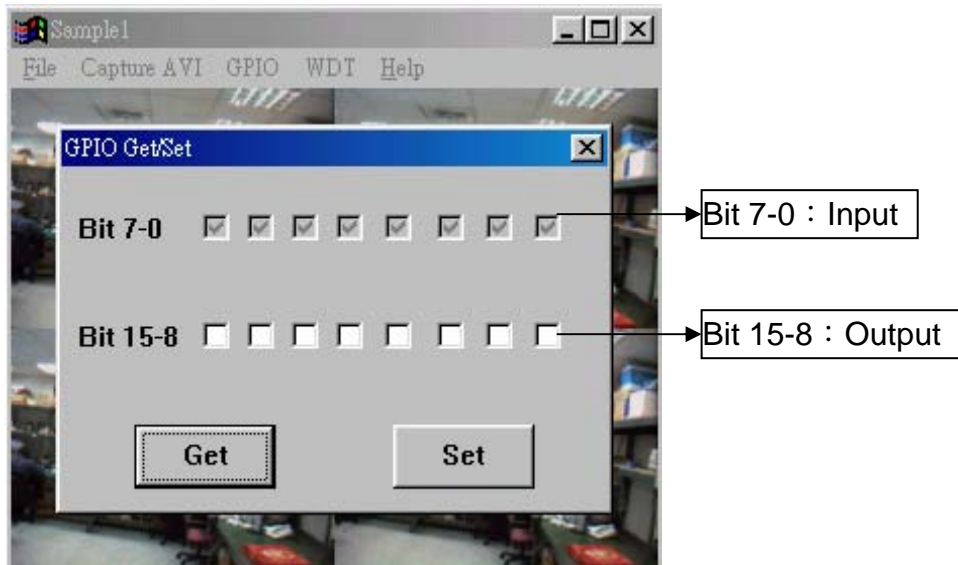


3.4 : Click [Capture AVI](As below Picture), and put checks on AV0, 1, 2, 3...for saving AVI files depends on camera numbers. (Ex. : AV0 = Camera1)

- ★ Notice : Taking the checks away can stop the function.
- ★ Notice : If you need the AVI file, please rename and move the file to other folder, or the earlier file will be covered by late one.
- ★ Notice : It will not save the files if execute Sample\_NTSC.exe or Sample\_PAL.exe by using CD.



3.5 : Click [GPIO]->[GPIO Control](As below Picture) for detecting or setting I/O card (Option).

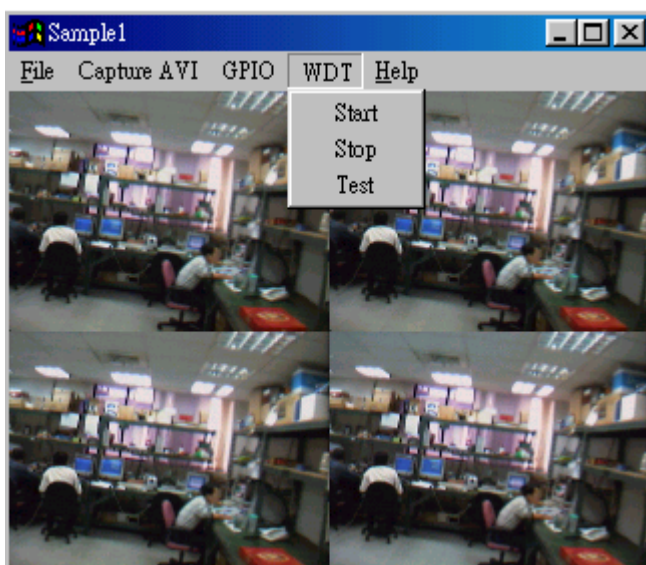


3.6 Click [WDT](As below Picture), it can start, stop and test “Watch Dog” function.

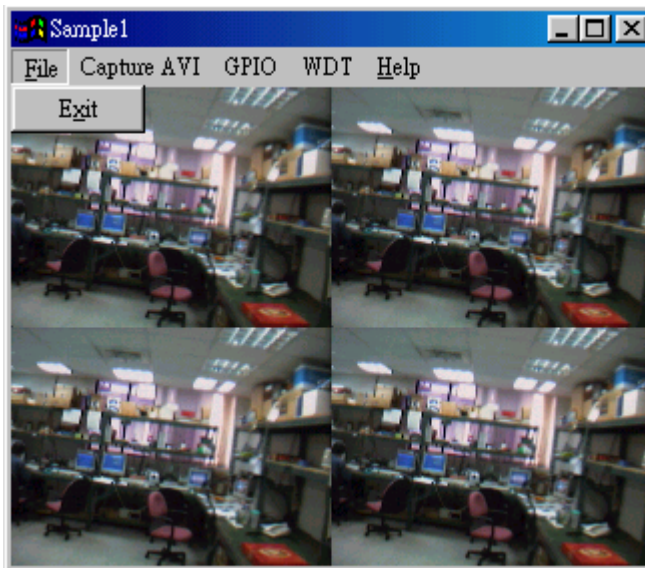
3.6.1 Start : When the system hang or appear error message, the system will auto re-boot in 7 seconds.

3.6.2 Stop : Stop “Watch Dog” function.

3.6.3 Test : It will auto re-boot the system immediately to test “Watch Dog” function.



3.7 : Click [File]->[Exit](As below Picture), exit this program.



#### C. Q&A :

Q1 : I already installed all drivers well, but why I cannot execute Sample\_NTSC.exe or Sample\_PAL.exe file ?

A1 : Please execute InstallAx.bat before execute Sample\_NTSC.exe or Sample\_PAL.exe.

Q2 : After executing Sample\_NTSC.exe or Sample\_PAL.exe, why only see a blue screen but video ?

A2 : I .Please confirm the VGA card supports Overlay Mode or not.

II .Please install DirectX 8.1 or higher version.

III .Please confirm that already install drivers completely.

Q3 : Why I cannot execute SDK program under WinNT ?

A3 : We're sorry that PV-981 didn't support WinNT OS.

Q4 : Did SDK program support Linux ?

A4 : Yes, PV-981 supports Linux's driver, but we didn't have technical support for using on Linux.