

PURETEK INDUSTRIAL CO., LTD

FCC I D : H52PT-6008

Multi-port Video Capture Card

Installation Guide

FCC Part 15

Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded interface cables must be used in order to comply with emission limits.

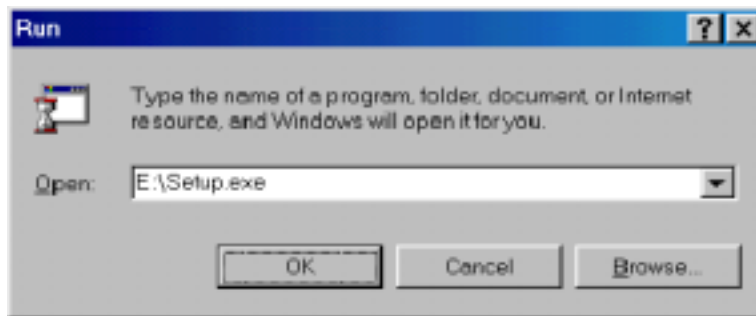
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- ▲ = Any changes or modifications not expressly approved by the grantee of this device could void the user authority to operate the equipment.

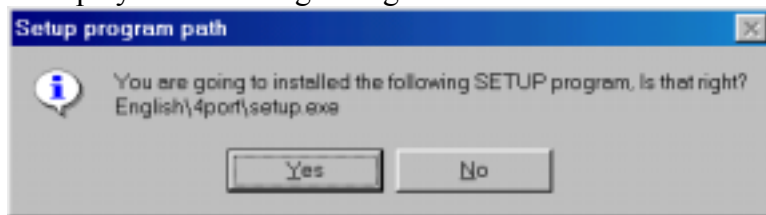
MultiCam Surveillance System Installation Guide

The MultiCam Surveillance System Installation is quite easy, what you need to do is:

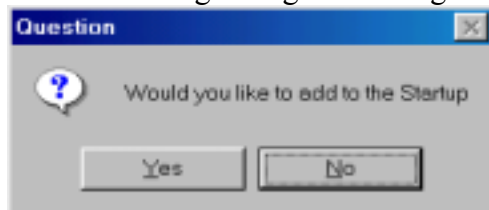
1. Insert the MultiCam Surveillance System CD into the CD-ROM driver.
2. Chose "Start" / "Run" in the Windows98 and enter the driver path containing the MultiCam Surveillance System "Setup.exe" program.



3. The Setup program will detect your Dungle and your Windows's language then display the following dialog:



4. If the dialog displays the right path and language that you want to install, please press YES. Otherwise, you may install the language you want, please reference the previous chapter for detailed information.
5. We recommend you to install "Multi-Cam Surveillance System" in the local PC, which connect to the video camera. "MultiCam Remote View" should be installed in another PC. If you need the remote view function, the local and remote PC should either have the modem or network installed. To install the "Remote View " in another PC, please reference the previous chapter for detailed information.
6. You may add the "MultiCam Surveillance System" to the Windows start up folder in the following dialog box during installation:



7. Follow the instruction to finish.
8. Start manual->Programs->MultiCam->MultiCam Surveillance System to run the GeoVision MultiCam Surveillance System

MultiCam Surveillance System Operation Guide

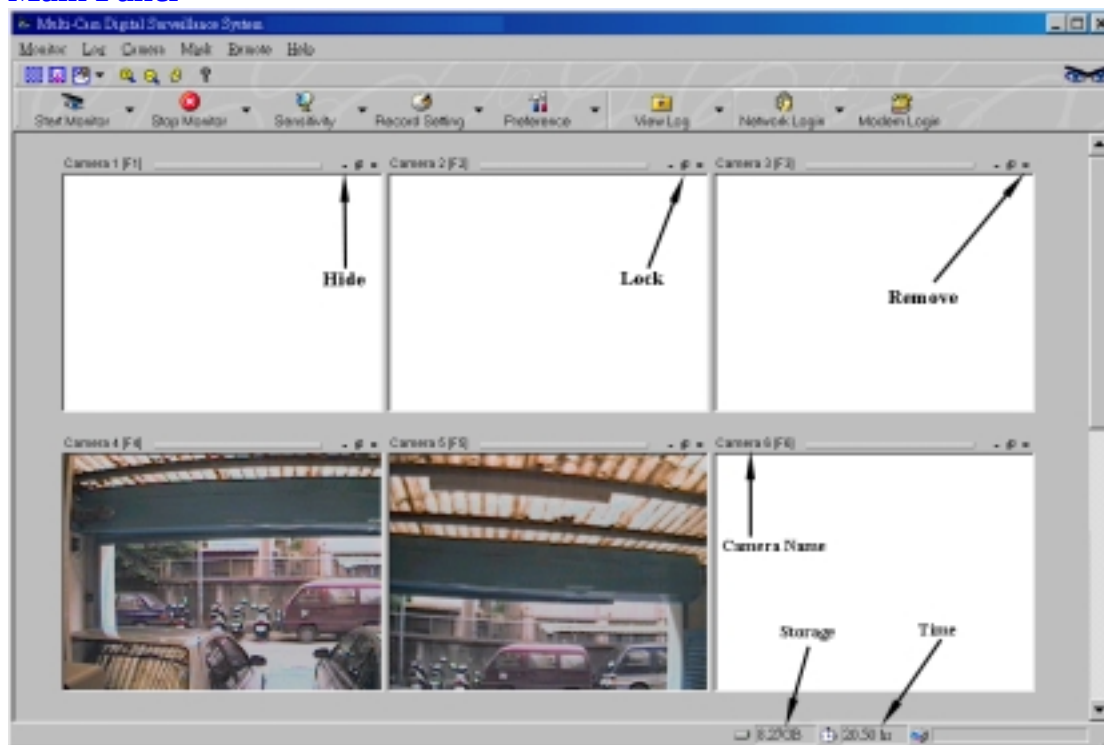
It is a PC-based surveillance system allows you to display/record simultaneously on your PC. This solution is as portable as a PC, yet more powerful and configurable than most permanently installed system. The system uses motion detection technology, only the moving objects will be recorded, save the time and cost of continuous recording as traditional surveillance system does.

System Requirements:

- Intel Pentium 200 or above, PentiumII 350 is recommended.
- Microsoft Windows 98.
- Video input: Different kinds of capture cards.
- Audio output: sound card (optional)
- Hard disk space: Plenty of disk storage for recording. At least 1GB per camera.

- System RAM: 64MB, 128MB is recommend.
- Display card: 16-bit high color or 24-bit true color.
- Monitor: 17 inch.
- Display Resolution: 1024 by 768 for 6Port/800*600 for 4Port
- Video Frame Size : Up to 320 *240 (Per camera)
- Network card. (optional)
- Modem and Telephone line.(optional)

Main Panel



Add/Remove Camera

There are individual windows display in the MultiCam Surveillance System, you can press the "x" icon to remove or use manual bar Camera function->Readd Camera. We recommend removing the camera window if there is no actually connected to the video camera.

Hide Camera

You can use the "-" icon to hide the camera, it is still functional but will not display the field of vision.

Storage/Time left display

Display the currently available free disk space for recording video clips. The time estimation is based on the image quality, frame rate.

Lock Camera (Zoom in/Zoom out)



 You can select any one of the camera to Zoom in or Zoom out, just press the icon between "-" and "x" or press the function key F1 to F6, F1 represent to camera 1. You can press the tool bar icon to zoom in or zoom out, or use the numeric keypad "-", "+". You can press the ESC key to back to the default display status.

Scan Camera

When the lock function is active, you may enable the scan function by press the "*" key in the numeric keypad or press the icon, you can also press the manual bar Camera function->Scan lock. Scan will automatically switch each existing camera every 3 seconds.

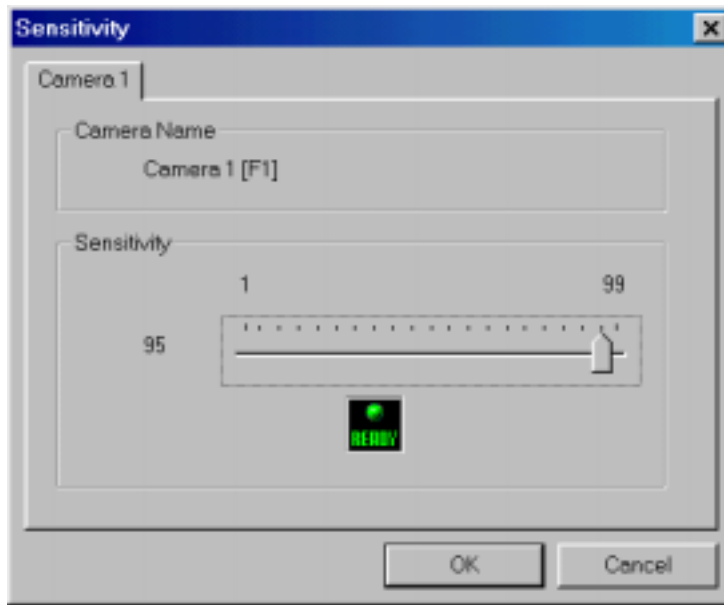
Start Monitor

You can start all the cameras or any one to start to observe and record. You can press from manual bar, tool bar icon or mouse right button to start any one of the installed cameras. If you have predefine your schedule, you can use Schedule Start to apply your schedule. Only Schedule Start will reference the schedule.

Stop Monitor

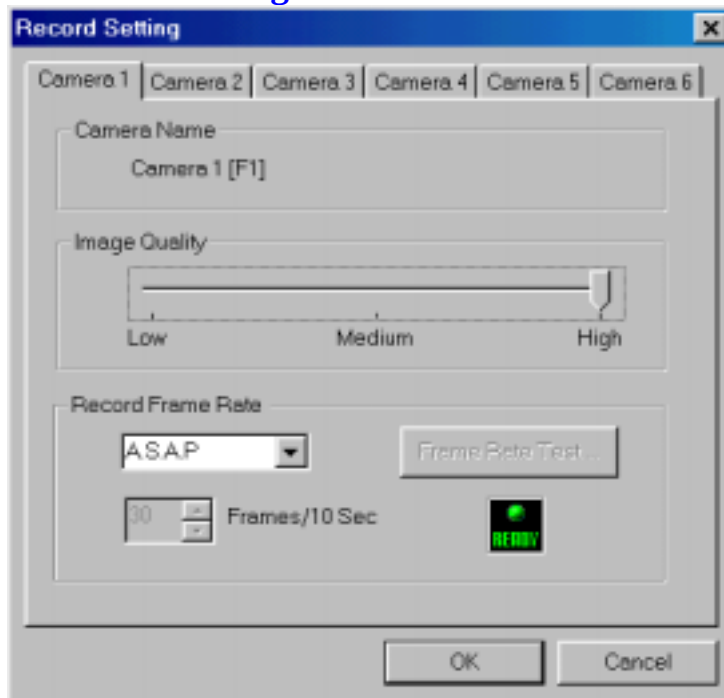
You can stop all the cameras or any one to stop observe and record. You can press from manual bar, tool bar icon or mouse right button to start any one of the installed cameras.

Sensitivity



A slide bar for selecting the sensitivity of motion detector. Value between 1 and 99 is permitted, higher in value will cause more sensitive when an object moves into the field of vision.

Record Setting



[Image Quality]

High, Medium and Low options for selecting the quality of image saved in file. High option will get better image quality and create more video data.

[Frame Rate]

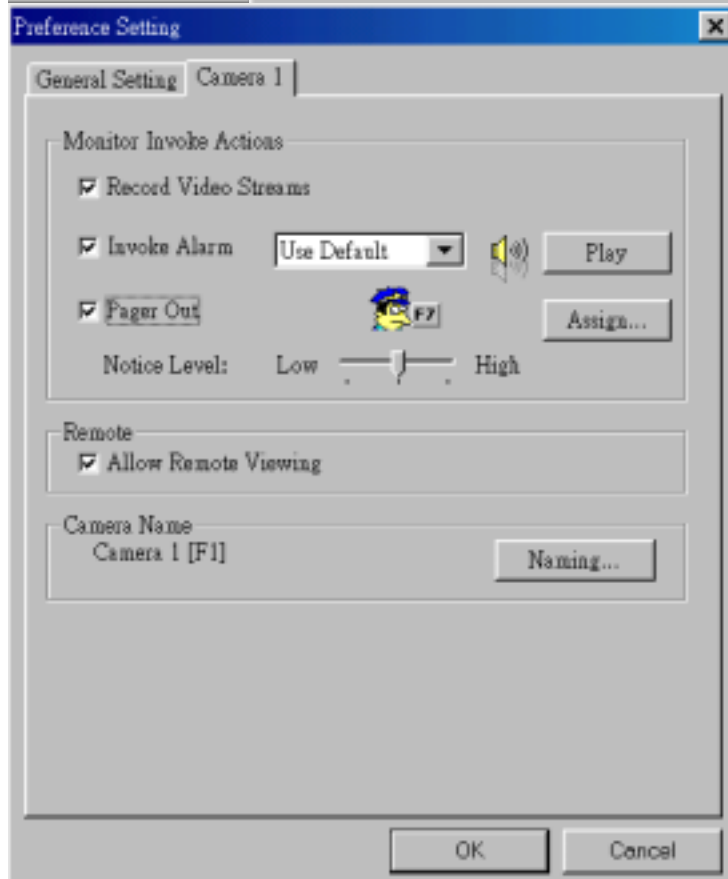
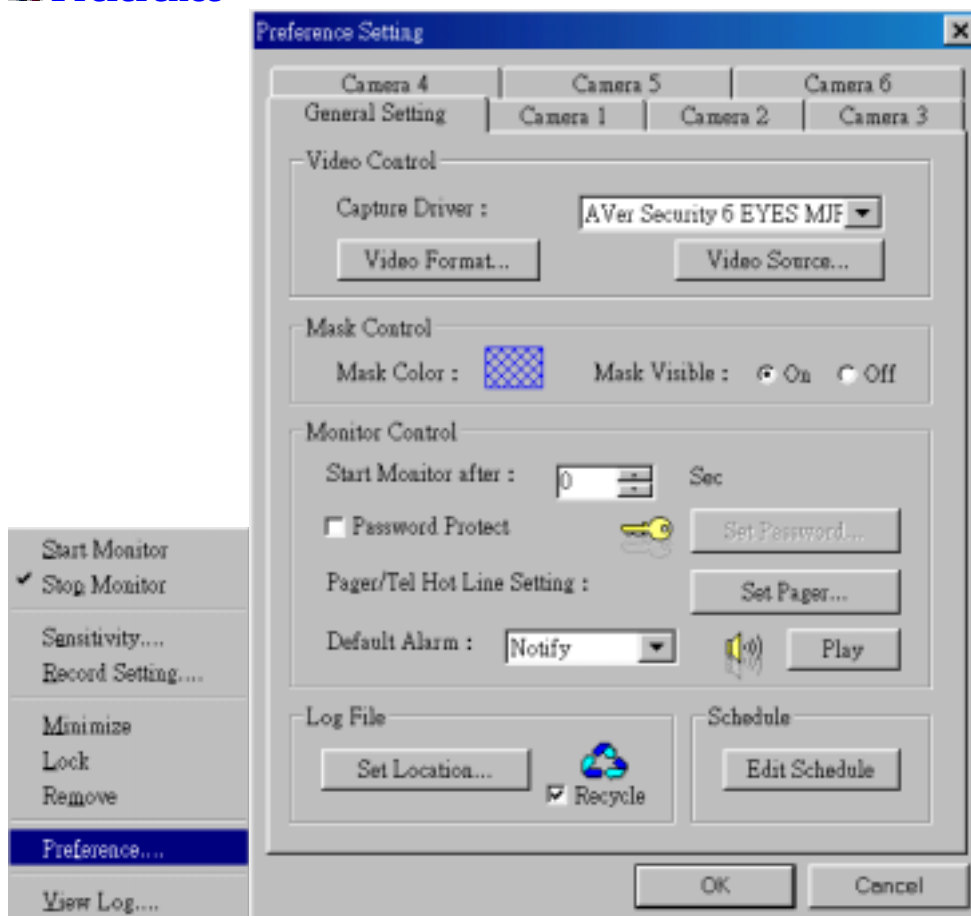
ASAP or User Define.

Video input speed to your PC, frame rate change depends on the video device attached. In general, the larger frame-per-second means better persistence of vision, and more smoother for human eyes to see continuous flow of light. The trade-off of higher frame rate is high volume of data acquired. Frame rate is related to processing power of CPU, frame size and color quality present on your PC.

[Frame Rate Test]

MultiCam Surveillance System will test all the conditions and come out with maximum available frame rate.

Preference



[Video Format]

Choosing Video Format will invoke a video format dialog box provided by the camera/capture device driver. You should choose a format supported by Surveillance System! from this dialog box; such as RGB24.

[Video Source]

Most capture device drivers will provide a video source dialog box. Within this box, the user can choose the signal format (NTSC, PAL, etc.) and adjust the image characteristics (brightness, contrast, hue, etc).

[Capture Driver]

If you install the video switch box, you need to select MSVideo:BT848/878 capture card. If you install the PCI interface 6 port card, you need to select the Aver Security 6 Eyes MJPEG card.

[Mask Visible]

You can disable to display the mask area mark in every camera window

[File Location]

Log file path to keep acquired video data, click Set Location to Add/Delete file path.

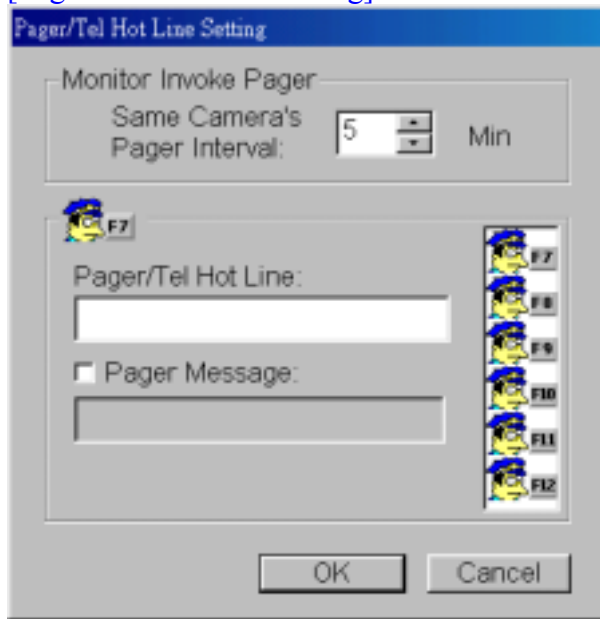
[Start Monitor After]

This is the time delay allowing you to leave the field of vision before observation begins.

[Password]

You may set the password to prevent someone walk to your place to terminate Surveillance system running. This password is also applied to the remote login.

[\[Pager/Tel Hot Line Setting\]](#)



This function is like a phone book. You can predefine at most 6 different telephone/pager numbers associated with Function key from F7 to F12. Once you want to call out for emergency purpose, you can press the function key directly. The system will keep recording until you press the Pause key to stop.

E.g. you may set the pager number as 0948001001 with the pager message #911#. You need to know how to set the pager message in your phone company provider, with # or other character and etc.

[\[Alarm\]](#)

Once you have chosen a sound file, when someone enters your work area, Surveillance will play the WAV file and also start to record video.

[\[Recycle option\]](#)

Once running out of disk space (less than 200MB), system will delete the data of earliest date.

[Schedule]

You may define two kinds of schedule, Period or Special. Period schedule can be applied to weekdays, you can define your own surveillance conditions.

The dialog box is titled "Setup Schedule - Add period time schedule". It contains the following sections:

- Time:** Start: AM 08:00, End: PM 17:00.
- Enable Operations:** ☒ Record, ☒ Pager/Telephone, ☒ Remove View.
- Camera:** ☒ Camera 1, ☒ Camera 2, ☒ Camera 3, ☒ Camera 4, ☒ Camera 5, ☒ Camera 6.
- Week Days Enable Schedule:** Buttons for SUN, MON, TUE, WED, THU, FRI, SAT. The MON button is currently selected.
- Legend:** ■ Record, ■ Pager/Telephone, ■ Remote View.
- Calendar:** A table showing dates from 1999/06/27 to 1999/07/03. The date 1999/07/01 (Thu) is highlighted in blue.
- Buttons:** Add Schedule, OK, Cancel.

Special Schedule can apply different surveillance conditions on holiday or some special days

The dialog box is titled "Setup Schedule - Add special time schedule". It contains the following sections:

- Time:** Start: AM 08:00, End: PM 17:00.
- Enable Operations:** ☒ Record, ☒ Pager/Telephone, ☒ Remove View.
- Camera:** ☒ Camera 1, ☒ Camera 2, ☒ Camera 3, ☒ Camera 4, ☒ Camera 5, ☒ Camera 6.
- Special Day:** A dropdown menu showing "07/01" and an "Apply" button.
- Legend:** ■ Record, ■ Pager/Telephone, ■ Remote View.
- Calendar:** A table showing dates from 1999/06/27 to 1999/07/03. The date 1999/07/01 (Thu) is highlighted in blue.
- Buttons:** Add Schedule, OK, Cancel.

Mask Function

The Mask feature of Surveillance System allows the user to mask areas in the field of vision of Surveillance System, allowing the user to define the environment that they do not wish to observe. For example, you wish to observe your office but not the moving traffic seen from the office window. You can mask the office window so Surveillance System will not detect and record the traffic. But if there is movement outside the masked area, Surveillance System will start to record.

-  Add mask
-  Cut mask
-  Clear mask

Fast Key Reference:

F1 □ F6 □ Lock Camera(1 to 6) (2/4/6 Port)
Numeric Keypad 1,2,3..0 : Lock Camera(1 to 10), Quad Processor 4/9/16 Frames.
F1 □ F6 □ Lock Camera(11 to 16), Quad Processor 4/9/16 Frames.
“Shift” □ “F1” □ “F6” □ Switch to View Log (2/4/6 Port)
“Ctrl” □ Numeric Keypad 1,2,3..0 : Switch to View Log (1 to 10), Quad Processor 4/9/16 Frames.
“Ctrl” □ F1 □ F6 □ Switch to View Log (11 to 16), Quad Processor 4/9/16 Frames.
“CTRL” □ “S” □ Start Monitor
“CTRL” □ “P” □ Stop Monitor
Numeric Keypad “□” □ Zoom In
Numeric Keypad “□” □ Zoom out
Numeric Keypad “□” □ Start/Stop Scan



“PageDown” “PageUp” □ Scroll camera in lock mode