Grand X-Guard

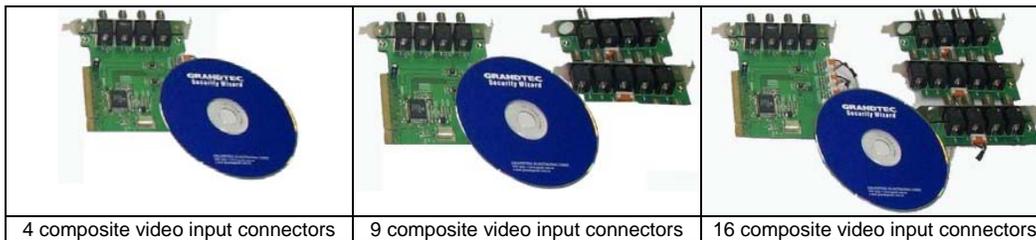## **(Digital Record + Remote Surveillance)**

Grand *X*-Guard PC-based surveillance system allows you to connect up to 4/9/16 video signal and display / record on your PC or remote view through TCP/IP, IPX(Internet/Intranet) and modem communication protocol. This solution is as a PC, yet more powerful and configurable than most permanently installed system. The system uses motion detection technology and Microsoft Video Compression, only the moving objects will be recorded .The compression rate up to 300:1,can save the time and cost of continuous recording as traditional surveillance system does.

4 composite video input connectors	9 composite video input connectors	16 composite video input connectors

PC-based digital surveillance system (Record and Remote)

Specification:

- Hardware
    - ✧ Grand Bt878 Video Capture Card
- Fully PCI 2.1 compliant
- Supports NTSC/PAL video format
- Supports 4、9、16 composite video input connectors
- Bundle with following Software:
    - ✧ Grand *X*-Guard Digital Surveillance System (Record and Display)
    - ✧ Remote Cam System (Internet/Intranet or modem communication)
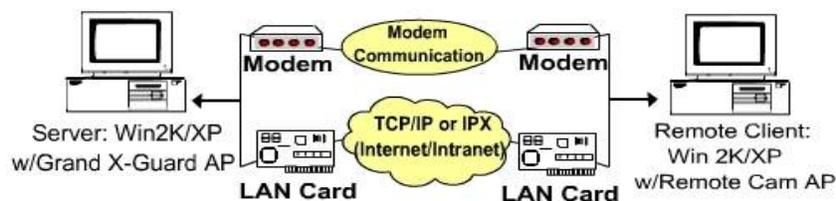- Supports Win2000 or Win XP.

Key Features

- Display and record each camera or any video signal simultaneously
- Adjustable video source (brightness, contrast and etc.), quality, alarm, motion detection area
- Motion Detection : watch for movement detected and record the video clips
- Preview size adjustable
- Image quality and Compression ratio adjustable
- Allow the users to define the environment that they do not wish to observe, by adjusting mask area and sensitivity
- Video file database management, delete, backup or review
- Storage Recyclable

  Once running our of disk space, you can delete the data of earliest date .
- Remote view through TCP/IP or IPX protocol (Internet/Intranet)
- Remote view through modem communication protocol
- Compression ratio(without motion detection)
  - Height Image Quality:4:1
  - Low Image Quality:30:1
- Every camera frame rates:
  - **Server: 15/N fps (N=The Number of Video Signal Sources)**
  - Remote: 5~10fps(10-Base LAN)
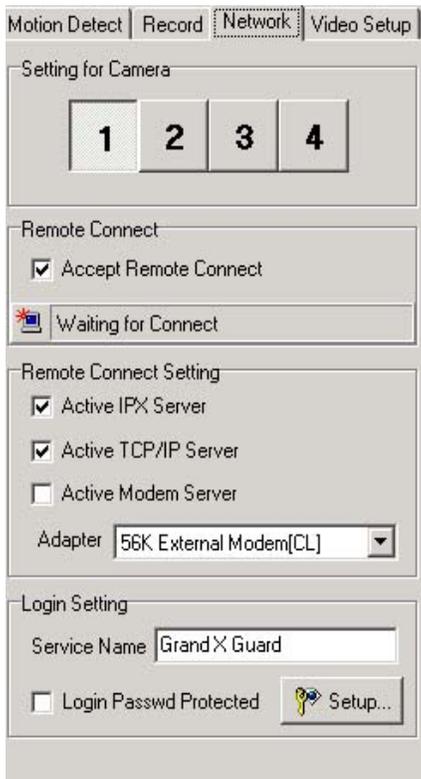 - Remote: 1~0.25fps(modem communication)

System Requirements

- Intel Pentium 200 or above, Pentium II 350 is recommended
- Microsoft Win2000 or Win XP.
- Audio output: sound card
- Network: Ethernet network card or Modem
- Hard disk space: Plenty of disk storage for recording. At least 1GB
- System RAM: 128 MB or above
- Display card: 16 bit high color

System Architecture

Grand X-Guard new functions

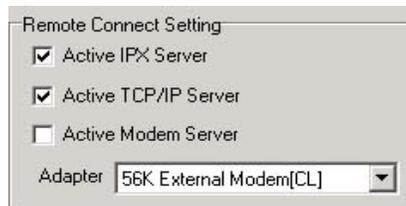

1. Setting for Camera

Choose the cameras to set performance or function.
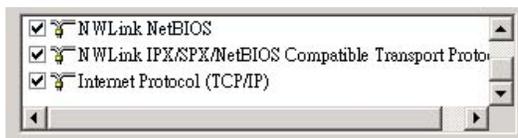
2. Accept Remote

If you disable the "Accept Remote Connect" the video data of this camera will not send to the remote site

3.Choose the Remote protocol

4. You must make sure that you have installed the following protocols

5. You must make sure that you have installed any modem device.

6. Setting your server name and password