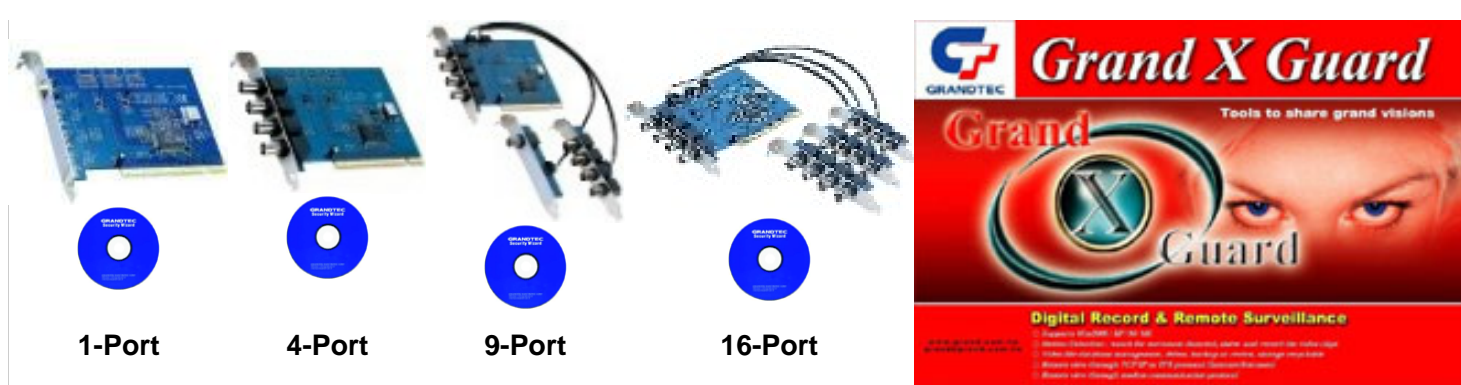


SURVEILLANCE

Grand X-Guard Digital Record + Remote Surveillance or Pocket PC Remote System



Grand X-Guard PC-based surveillance system allows you to connect up to 1, 4, 9, or 16 video signals and display or record on your PC through TCP/IP, IPX (Internet / Intranet) and modem communication protocols. As the remote from the other PC, you can also remote from your COMPAQ IPAQ Pocket PC (only for 1 port). The system supports Windows 2000/XP. 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 time and costs of continuous recording unlike traditional surveillance systems.

Features

- Motion Detection: watch for movement detected and record the video clips
- Display and record each camera or any video signal simultaneously.
- Adjustable video source (brightness, contrast and etc.), quality, alarm, motion detection area.
- 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: When running out of disk space, you can delete the data of earliest date.
- Remote view through TCP/IP or IPX protocol (Internet/Intranet), fixed IP is recommended.
- Remote view through modem communication protocol (only for 1 port or 4 port).
- Remote view with COMPAQ IPAQ Pocket PC (only for 1 port).
- Supports following network architecture: T1,T3, ADSL, ISDN, PSTN, Cable modem, IEEE 802.11b wireless LAN & Hi building etc.
- Compression ratio (without motion detection) Height Image Quality:4:1 / Low Image Quality:30:1
- Every camera frame rates:

Server:	1 port : 25 - 30 fps 4 port : 3.0 – 5.0 fps 9 port : 1.5 – 2.0 fps 16 port : 0.8– 1.0 fps
Remote:	10/N fps (10-Base LAN) 1~16fps(modem communication) only for 4 port

- 1 port: Win 98/ME/2000/XP modem to modem/PDA
- 4 port: Win 98/ME/2000/XP modem to modem
- 9/16 port: 2000/XP



Main Windows - 4 Port



Main Windows - 9,16 Port

Specification

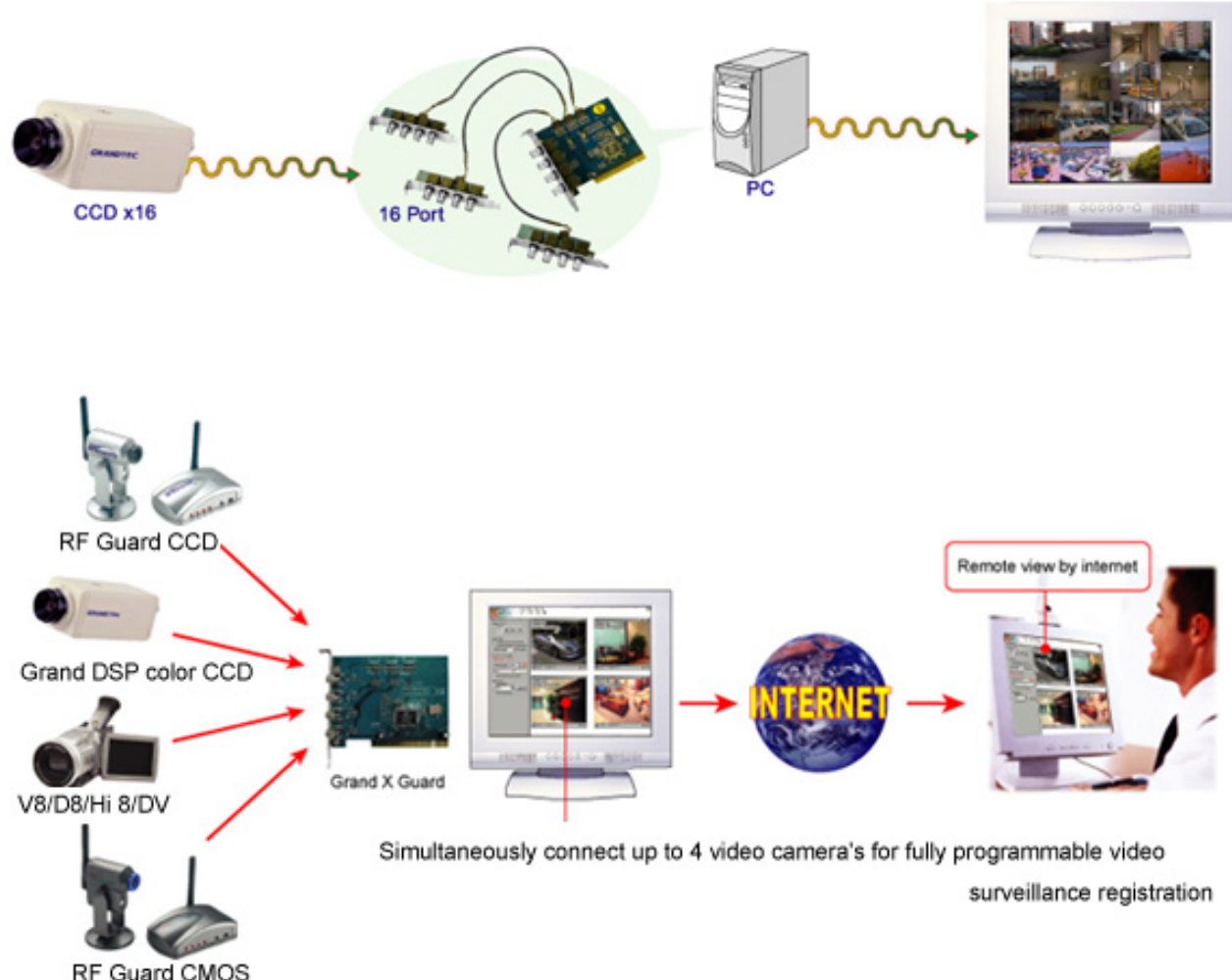
- Hardware: Grand Bt878 Video Capture Card.
- Fully PCI 2.1 compliant.
- Supports the following video formats which including NTSC-M, NTSC-Japan, PAL-B,D,G,H,I, PAL -M, PAL-N, SECAM, PAL-NC.
- Supports 1,4,9 or 16 composite video & BNC or RCA input connectors.
- Bundled with the following Software:
 - Grand X-Guard (Record and Display).
 - Remote Camera System (Internet/Intranet or modem communication)
 - Grand File Database.
 - Pocket PC Remote System for COMPAQ IPAQ (only for 1 port).
- Supports 98/ME (1, 4 Port).
- Supports Win2000/XP (1,4, 9 & 16 port).

System requirement

- Intel Pentium II 500 or above, Pentium III 800 is recommended
- Microsoft Win 98/ME (for 1 port/4 Port only) 2000/XP.
- Audio output: sound card
- Network: Ethernet network card or Modem
- Hard disk space: Plenty of disk storage for recording. At least 20 GB
- System RAM: 128 MB or above
- Display card: 16 bit high color
- Pocket PC: Intel(R) Strong ARM Processor (206MHz) with WinCE OS and The COMPAQ IPAQ is recommended.

NOTE: The remote view application can not work with a pure NAT router when your network architecture or DMZ (DeMilitarized Zone) Host is a host with the protection of firewall. Please refer to your firewall's User's manual for specific instructions or try to get the technical support from the firewall's supplier.

Hardware Connection and Application



System Architecture

