

The surveillance solution for a peace of mind

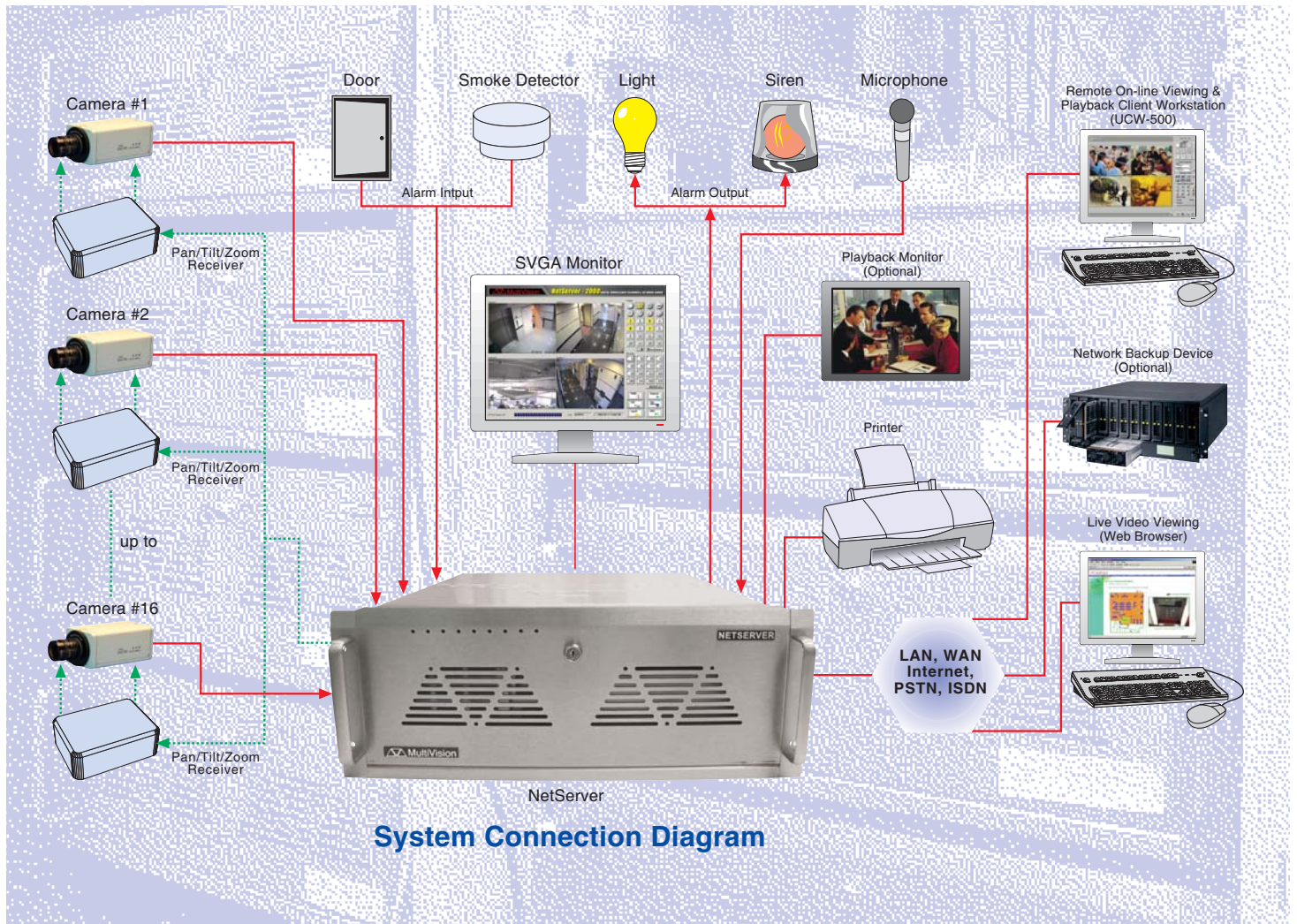
NetServer is a all-in-one multi-channel digital video-recording device with built-in features using the latest Pentium CPU for high resolution real time monitoring and high quality real-time digital video recorded images. NetServer series has four main models – NetServer 1000 (4 channel), NetServer 1500 (8 channel), NetServer 2000 (16 channel) and NetServer 3000 (16 channel).

NetServer can also work as a digital video network server for providing digital video streaming to multiple remote viewing locations at any time, from anywhere far more efficiently than ever before. Multiple NetServers and PC-based viewing and control workstations form a total digital video network system with recording and live viewing of hundreds of remote cameras via LAN, Internet, ISDN and PSTN.



NetServer Key Features:

- * Real-time multi-channel digital video recorder, multiplexer and transmission server
- * Full time resolution video real-time display (PAL 768x576, NTSC 640x480)
- * Simultaneous playback, recording and live display
- * Motion Detection
- * Alarm, Pre- Alarm and Schedule recording
- * Multilingual capability
- * One channel audio recording (standard)
- * Software and Hardware watchdogs
- * Average 2.5K per frame (384 x 288 high resolution)
- * Adjustable frame rate and resolution for recording
- * Adjustable recording file size for storage
- * MPEG-4/Wavelet compression codec
- * Remote application software for multi-sites camera online viewing, playback and recording via LAN, Internet, ISDN, PSTN
- * Alarm alert to remote PC with UCW or Email
- * Video authentication watermark of recorded images
- * Support local and remote Pan/Tilt/Zoom control



System Connection Diagram

Standard Configuration	NetServer 1000	NetServer 1500	NetServer 2000	NetServer 3000
Video Input	4 channels	8 channels	16 channels	16 channels
Audio recording	1 audio recording channel	1 audio recording channel	1 audio recording channel	5 audio recording channels
Alarm Feature	4 Alarm inputs 3 Alarm outputs	8 Alarm inputs 3 Alarm outputs	16 Alarm inputs 3 Alarm outputs	16 Alarm inputs 3 Alarm outputs
Digital video recording (Total)	25fps	50fps	100fps	100fps
Remote Transmission speed	25fps	50fps	100fps	100fps
Display modes	Full Quad	Full Quad 5 – split 8 – split	Full Quad 7 – split / 10 – split 13 – split / 16 – split	Full Quad 7 – split / 10 – split 13 – split / 16 – split
CPU	PIV or above	PIV or above	PIV or above	PIV or above
Hardware configuration	40 GB HDD 3.5" FDD 256 MB Built-in 10/100M LAN card CD-R/RW	80 GB HDD 3.5" FDD 256 MB Built-in 10/100M LAN card CD-R/RW	80 GB HDD 3.5" FDD 256 MB Built-in 10/100M LAN card CD-R/RW	80 GB HDD 3.5" FDD 256 MB Built-in 10/100M LAN card CD-R/RW
Operating System	XP Embedded	XP Embedded	XP Embedded	XP Embedded

General Technical Specifications

Video Features

Video Input	* Supports PAL / NTSC composite video.
Video display	* Display on SVGA monitor or NTSC / PAL video monitor. * Display real-time video at optimum condition of up to four channels. * Minimum refresh rate at 16-spilt screen display mode is about 2.5 f/s (PAL) 2.7 f/s (NTSC).
Video display resolution	Video sequential switching on single or quad display.
Dual display (Optional)	* Video display resolution - 768x576 (PAL) 640x480 (NTSC) * Equipped with dual display card for dual operation (e.g. one monitor is for video display, recording and normal operation while the other monitor is used for playback purpose).
Time & Date Stamp	* Time and date overlay on each camera for display and recording.

Recording Features

Digital video recording	* Adjustable frame rate and resolution for recording / transmission. * Adjustable recorded file length (from 3 min to 15 min) * Selectable hard drive(s) and network mapped drive(s) for recording storage * Provide circular recording mode to allow recycling use of the recording drives
Recording resolution	* Super resolution (640x480 PAL, 640x480 NTSC). * High resolution (384x288 PAL, 320x240 NTSC). * Low resolution (192x144 PAL, 160x120 NTSC).
Compression for digital video recording	* Uses Wavelet or MPEG-4 compression technology.
Schedule recording	* A programmable timer allows user to programme different recording schedule patterns at different times for each camera.
Recording capacity	* Recording capacity is variable according to the video compression ratio, frame rate, image resolution and number of camera being recorded. * The unit will provide an average of 24 hours of high resolution recording on 16 cameras at max. frame rate based on 7.6GB hard disk. * The recording capacity can be upgraded to meet additional requirement.
Average frame size	* Average 2.5K per frame (384 x 288 high resolution)
Recording speed	* User define time lapse interval for individual camera: PAL: 25,12.5,8,4,1,1/2,1/3,1/5,1/10,1/15,1/30,1/60 frame(s) per second for individual camera setting. NTSC: 30,15,7.5,4,1,1/2,1/3,1/10,1/15,1/30,1/60 frame(s) per second for individual camera setting.
Pre-and post-alarm recording	* Pre-and post-alarm recording of the alarm images with adjustable duration.
Motion Detection recording	* Video motion detection on each video input

Playback Features

Playback	* Playback at different speed, shuttle forward and backward
Intelligent search functions	* Video recorded can be played back by camera event or in time and date for video search
Simultaneous recording and playback	* The recording function and the playback function of the unit can be executed simultaneously.
Image capture, zoom, save and printout	* The captured image or selected part of the zoomed image can be directly printed with any Windows compatible printer or saved to floppy disk.

Alarm Features

Alarm inputs	* With status change auto detect (from 4 up to 16 alarm inputs).
Alarm outputs	* Relay closer output (from 1 up to 36 alarm outputs).
Alarm log	* History log of alarm event.
Alarm alert	* Once the NetServer receives an alarm triggering, either from alarm inputs or motion detection, it will activate the alarm alert modules to alert a designated remote machine or email / sms and view live video of the alarmed camera.
Video loss detection	* Automatic software detect video loss with alarm and message alert

Remote Application Software "UCW-500/1000/2000" Optional

Remote viewing and recording	* Up to 36 Multi-sites camera online viewing via LAN, Internet, ISDN and PSTN and allows recording and playback on remote workstation
Remote playback recorded video	* Image recorded locally or remotely from UCW can be retrieved at the remote station via LAN, Internet, ISDN and PSTN.
Pan / Tilt / Zoom	* Remote Pan / Tilt / Zoom functions via LAN, Internet, ISDN and PSTN
Quality & bandwidth control	* Adjustable video compression rate, frame rate & resolution for video transmission.
Remote viewing password and user control	* Online viewing of live video with password logon control and user management.

Built-in WebServer

WebServer	* Customisable web-page for live video viewing via web browser.
Universal Web browser	* Supports Internet Explorer, Netscape, Linux and Macintosh

General Features

Multilingual GUI	* Provide character graphic user interface for different languages (English, Traditional Chinese, Simplified Chinese).
PTZ Control Functionality	* Support various Pan/Tilt/Zoom control protocols (e.g. UniVision, Pelco, AD, LiLin, Vicon, Panasonic, Philips, Elbex, Kalatel and Ultrak-Maxpro)
Watchdog	* Software and hardware watchdog functions

Specifications subject to change without notification



26/F Aitken Vanson Centre, 61 Hoi Yuen Road, Kwun Tong, Kowloon, Hong Kong
Tel: (852) 2797 5678 Sales Hotline: (852) 2797 5698 Fax: (852) 2797 5679
E-mail: enquiry@multivision.com.hk Web: www.multivision.com.hk