

Advanced Digital Surveillance Solution With True Real-Time Monitoring And Superior Image Quality

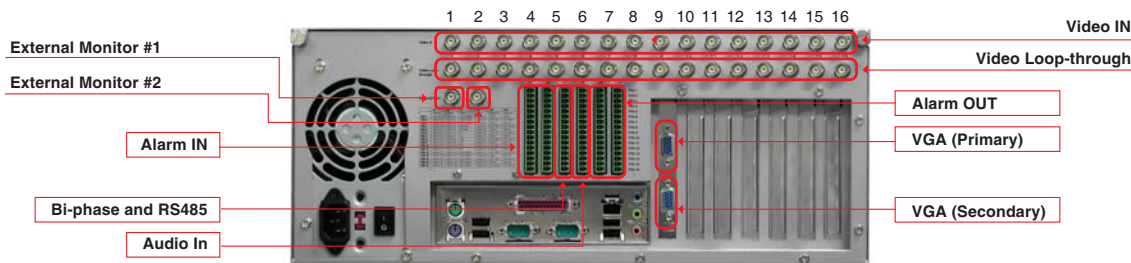
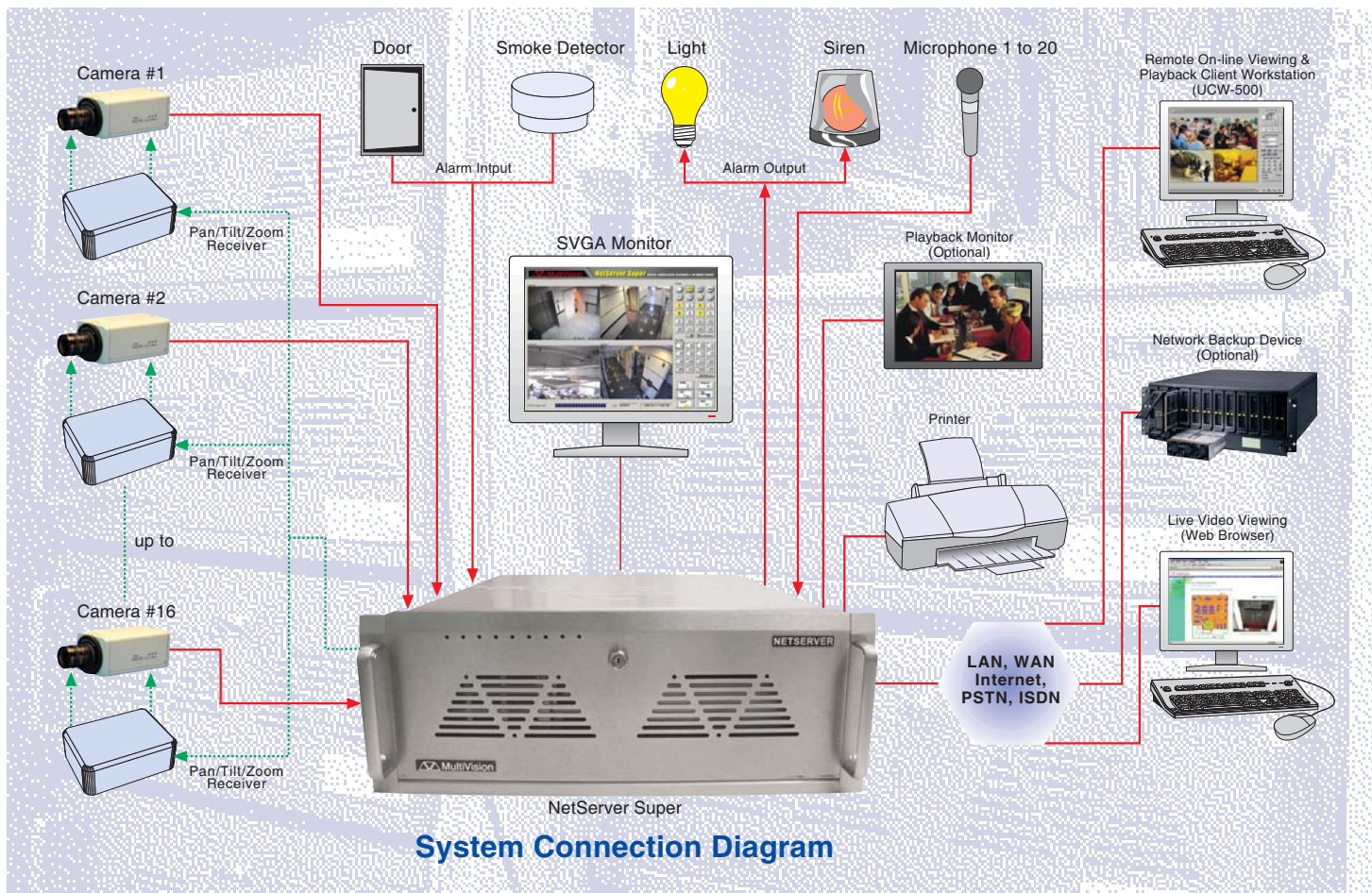
NetServer Super is the latest digital video surveillance system which has more features and functionalities for improved surveillance requirements. Using hardware MPEG-4 compression, it provides noticeably faster frame rates at 25 fps for PAL and 30 fps for NTSC (real time) for all cameras on display and recording. It has been developed as a result of overwhelming demand for faster frame rate. NetServer Super is available in four models for 4, 8, 12 and 16 channels.

NetServer Super is enterprise class digital surveillance server which is ideally suited for corporate customers looking to enhance and/or upgrade its current security systems with newer, superior and more flexible digital surveillance. With the improved frame rate, it can provide true real-time monitoring.



NetServer Super Key Features:

- * Real-time multi-channel digital video recorder, multiplexer and transmission server
- * Simultaneous playback, recording and live display
- * Hardware Video Loss Detection
- * Motion Detection
- * Alarm, Pre-alarm and Schedule recording
- * Software and Hardware watchdogs
- * Multilingual capability
- * Multiple audio recording channels
- * Adjustable quality
- * Adjustable recording file size for storage
- * Hardware MPEG-4 compression codec
- * Remote application software included for multi-sites camera online viewing playback and recording via LAN / WAN
- * Alarm alert to remote PC with UCW
- * Remote viewing password and user control
- * Video authentication watermark of recorded images
- * Support simultaneous local and remote Pan/Tilt/Zoom control
- * Built-in RS-485 / Bi-phase for PTZ control
- * Multiple channel realtime display (up to 16)



Standard Configuration	NetServer Super 4	NetServer Super 8	NetServer Super 12	NetServer Super 16
Video Input	4 Channels	8 channels	12 channels	16 channels
Audio Input	4 Channels	8 Channels	12 Channels	16 Channels
Alarm Features	4 Alarm Inputs 4 Alarm Outputs	8 Alarm inputs 8 Alarm outputs	12 Alarm inputs 12 Alarm outputs	16 Alarm inputs 16 Alarm outputs
Digital Video Recording Total	100 fps (PAL) 120 fps (NTSC)	200 fps (PAL) 240 fps (NTSC)	300 fps (PAL) 360 fps (NTSC)	400 fps (PAL) 480 fps (NTSC)
Remote Transmission Speed	100 fps	100fps	100fps	100 fps
CPU	PIV or Above	PIV or Above	PIV or Above	PIV or Above
Hardware Configuration	80GB HDD 3.5" FDD 256M DDR RAM Built-in 10/100M LAN CD - R/RW	120GB HDD 3.5" FDD 256M DDR RAM Built-in 10/100M LAN CD-R/RW	120GB HDD 3.5" FDD 256M DDR RAM Built-in 10/100M LAN CD-R/RW	180GB HDD 3.5" FDD 256M DDR RAM Built-in 10/100M LAN CD-R/RW
Operating System	XP Embedded or Windows 2000	XP Embedded or Windows 2000	XP Embedded or Windows 2000	XP Embedded or Windows 2000

Features of NetServer Super

Video Features

Video Input	* Display on SVGA monitor
Video display	* Minimum refresh rate at 16-split screen display mode is 25f/s (PAL) or 30f/s (NTSC). * Video sequential switching on single or quad display.
Video quality adjustment	* Adjustable colour saturation, brightness, contrast and hue (for NTSC)
Video output	* Analogue monitor output with sequential or manual switching to external monitor or TV
Character overlay	* Camera title, 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	* CIF: 352 x 288
Compression for digital video recording	* Hardware MPEG-4 compression technology.
Schedule recording	* A programmable timer allows user to program 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 87GB hard disk. * The recording capacity can be upgraded to meet additional requirement.
Average frame size	* Average 2.5K per frame (352 x 288 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	* Quad playback at different speed, shuttle forward and backward; single playback with simultaneous video and audio
Intelligent search functions	* Video recorded can be played back by camera event or by time and date from 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 8 up to 32 programmable alarm inputs).
Alarm outputs	* Relay closer output (from 4 up to 16 programmable 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 and view live video of the alarmed camera.
Video loss detection	* Automatic hardware detect video loss with audio and message alerts

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

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

Additional Features

Multilingual GUI	* Provide character graphical user interface for different languages.
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
PTZ connection	* Built-in RS-485 and biphase circuitry
Secondary Monitor Output	* Programmable graphical overlay for alarm display

Physical Specifications

	* Dimension: 483W x 570D x 180H Weight: 23kg (Net) 26kg (Gross)
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Specifications subject to change without notification