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NETSERVER | LEGEND

Digital Video Surveillance System

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

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

NetServer Legend is the latest digital video surveillance system which has advanced features and functionalities with excellent video quality for improved surveillance requirement. It can achieve D1 resolution (704 x 576) for each individual camera simultaneously.

NetServer Legend 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, faster and more flexible digital surveillance. It has been developed as a result of overwhelming demand for fast frame rate in monitoring and quality of display.

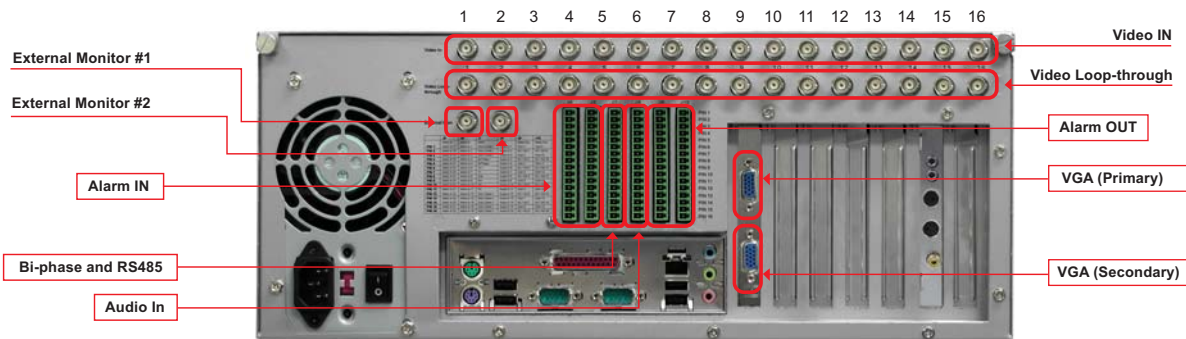
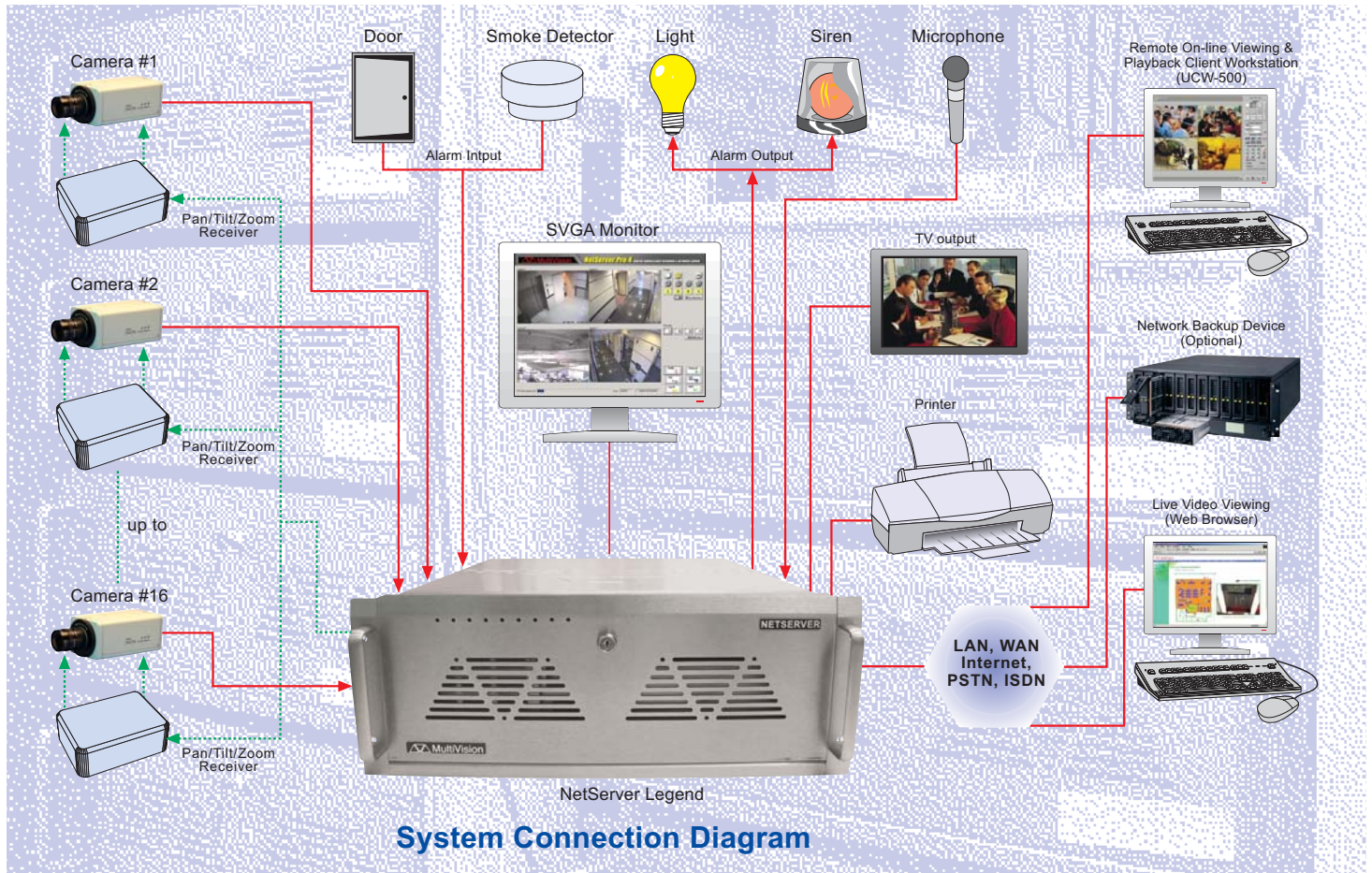


* NOTE: without scaling display



NetServer Legend key features:

- * Real-time multi-channel digital video recorder, multiplexer and transmission server
- * Full time resolution video real-time display (704x576)
- * Simultaneous playback, recording and live display
- * Hardware Video Loss Detection
- * Hardware MPEG-4 Video & Audio compression
- * Analogue monitor output with sequential and manual switching
- * Video loop-through
- * Motion Detection
- * 25f/s for each individual camera
- * Alarm, Pre-alarm and schedule recording
- * Software and Hardware watchdogs
- * Multilingual capability
- * Multiple audio recording channels
- * Average 2.5KB per frame (352 x 288 CIF resolution) or 12.5KB per frame (704 X 576 Full resolution)
- * Adjustable recording file size for storage
- * Remote application software for multi-sites camera online viewing, playback and recording via LAN, Internet, ISDN, PSTN
- * Alarm alert to remote PC with UCW
- * Send alarm alert E-mail (with alarm image attachment)
- * 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



| Standard Configuration | NetServer Legend 4 | NetServer Legend 8 | NetServer Legend 12 | NetServer Legend 16 |
|-------------------------------------|--|--|---|---|
| Video Input | 4 channels | 8 channels | 12 channels | 16 channels |
| Audio recording | 4 audio recording channels | 8 audio recording channels | 12 audio recording channels | 16 audio recording channels |
| Alarm Feature | 8 Alarm inputs 4 Alarm outputs | 16 Alarm inputs 8 Alarm outputs | 24 Alarm inputs 12 Alarm outputs | 32 Alarm inputs 16 Alarm outputs |
| Digital video recording (Total) | 100fps | 200fps | 300fps | 400fps |
| Remote Transmission speed (Via LAN) | 80fps | 100fps | 100fps | 100fps |
| Display modes | Full Quad | Full Quad 5 – split 8 – split | Full Quad 6 – split / 9 – split 12 – split | Full Quad 7 – split / 10 – split 13 – split / 16 – split |
| CPU | PIV or above | PIV or above | Dual PIII processor | Dual PIII processor |
| Hardware configuration | 80 GB HDD 3.5" FDD 128 RAM Built-in 10/100M LAN card CD-R/RW | 80 GB HDD 3.5" FDD 128 RAM Built-in 10/100M LAN card CD-R/RW | 120 GB HDD 3.5" FDD 256 RAM Built-in 10/100M LAN card CD-R/RW | 180 GB HDD 3.5" FDD 256 RAM Built-in 10/100M LAN card CD-R/RW |
| Operating System | XP Embedded or Win 2000 | XP Embedded or Win 2000 | XP Embedded or Win 2000 | XP Embedded or Win 2000 |

* NOTE: Internal IDE harddisks can be expanded to a maximum of 1280GB

General Technical Specifications

Video Features

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| Video Input | Display on SVGA monitor or PAL / NTSC video monitor. |
| Video display | * Minimum refresh rate at 16-split screen display mode is 25f/s (PAL) for each individual camera * Video sequential switching on single or quad display. |
| SVGA display | * Dual SVGA display with built-in dual display card |
| Video display resolution | Video display resolution - 704x576(PAL) |
| Video quality adjustment | Adjustable colour saturation, brightness, contrast |
| Video output | 2 Analogue monitor outputs with sequential or manual switching to external monitor / TV |
| Time & Date Stamp | Time and date overlay on each camera for display and recording. |

Recording Features

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| 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 | * D1 resolution (704 x 576). * CIF (352 x 288). * Low resolution (176x144PAL). |
| Compression for digital video recording | Uses hardware 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 88GB hard disk. * The recording capacity can be upgraded to meet additional requirement. |
| Average frame size | Average 2.5KB per frame (352 x 288 high resolution) or 12.5KB frame (704 x 576) |
| 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

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| 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 in 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, digital zoom, save and printout | The captured image or selected part of the digital zoomed image can be directly printed with any Windows compatible printer or saved to floppy disk. |

Alarm Features

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| Alarm inputs | With status change auto detect (from 8 up to 32 alarm inputs). |
| Alarm outputs | Relay closer output (from 4 up to 16 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 | Automatically hardware detect video loss with audio and message alerts |

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

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|--|---|
| 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

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

Additional Features

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| 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 |
| PTZ connection | Built-in RS-485 and biphase circuitry |



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