



REAL-TIME MULTI-CHANNEL DIGITAL VIDEO RECORDER, MULTIPLEXER AND TRANSMISSION SERVER, SIMULTANEOUS PLAYBACK, RECORDING AND LIVE DISPLAY, WINDOWS 98/ME/NT/2000/XP COMPATIBLE, VIDEO LOSS DETECTION, ANALOGUE MONITOR OUTPUT, MOTION DETECTION, ALARM, PRE-ALARM AND SCHEDULE RECORDING, MULTILINGUAL CAPABILITY, ONE CHANNEL AUDIO RECORDING, AVERAGE 2.5K PER FRAME (384 X 288 HIGH RESOLUTION), ADJUSTABLE RECORDING FILE SIZE FOR STORAGE, MPEG-4 / WAVELET COMPRESSION CODEC, REMOTE APPLICATION SOFTWARE INCLUDED FOR MULTI-SITES CAMERA ONLINE VIEWING, PLAYBACK AND RECORDING VIA LAN, INTERNET, ISDN, PSTN, ALARM ALERT TO REMOTE PC WITH UC, REMOTE VIEWING PASSWORD USER CONTROL, VIDEO AUTHENTICATION WATERMARK OF RECORDED IMAGES, SUPPORT LOCAL AND REMOTE PAN/TILT/2000 CONTROL, SUPPORT BOTH PAL AND NTSC STANDARD, FULL TIME RESOLUTION VIDEO REAL-TIME DISPLAY (PAL 768 X 576; NTSC 960 X 480), REAL-TIME MULTI-CHANNEL DIGITAL VIDEO RECORDER, MULTIPLEXER AND TRANSMISSION SERVER, SIMULTANEOUS PLAYBACK, RECORDING AND LIVE DISPLAY, WINDOWS 98/ME/NT/2000/XP COMPATIBLE, VIDEO LOSS DETECTION, ANALOGUE MONITOR OUTPUT, MOTION DETECTION, ALARM, PRE-ALARM AND SCHEDULE RECORDING, MULTILINGUAL CAPABILITY, ONE CHANNEL AUDIO RECORDING, AVERAGE 2.5K PER FRAME (384 X 288 HIGH RESOLUTION), ADJUSTABLE RECORDING FILE SIZE FOR STORAGE, MPEG-4 / WAVELET COMPRESSION CODEC, REMOTE APPLICATION SOFTWARE INCLUDED FOR MULTI-SITES CAMERA ONLINE VIEWING, PLAYBACK AND RECORDING VIA LAN, INTERNET, ISDN, PSTN, ALARM ALERT TO REMOTE PC WITH UC, REMOTE VIEWING PASSWORD USER CONTROL, VIDEO AUTHENTICATION WATERMARK OF RECORDED IMAGES, SUPPORT LOCAL AND REMOTE PAN/TILT/2000 CONTROL, SUPPORT BOTH PAL AND NTSC STANDARD, FULL TIME RESOLUTION VIDEO REAL-TIME DISPLAY (PAL 768 X 576; NTSC 960 X 480)

www.mvmobile.com



NETSERVER | LITE

Mobile Digital Video Surveillance System

*Advanced Digital Surveillance Solution With
True Real-Time Monitoring And Small Form Factor*

Enterprise class video surveillance for mobile applications

NetServer Lite is an open and flexible platform for building digital video surveillance systems targeted at vehicle applications. Using the MultiVision NetServer Lite system, end users are able to deploy into cars, buses and other vehicles the same video surveillance solutions that they use for enterprise surveillance.

The NetServer Lite system allows flexibility due to its PC Based, Microsoft Windows operation systems and standard PC components. NetServer Lite can run Windows XP embedded from Solid-State Secure-Digital Memory for enhanced reliability in harsh vibration conditions.



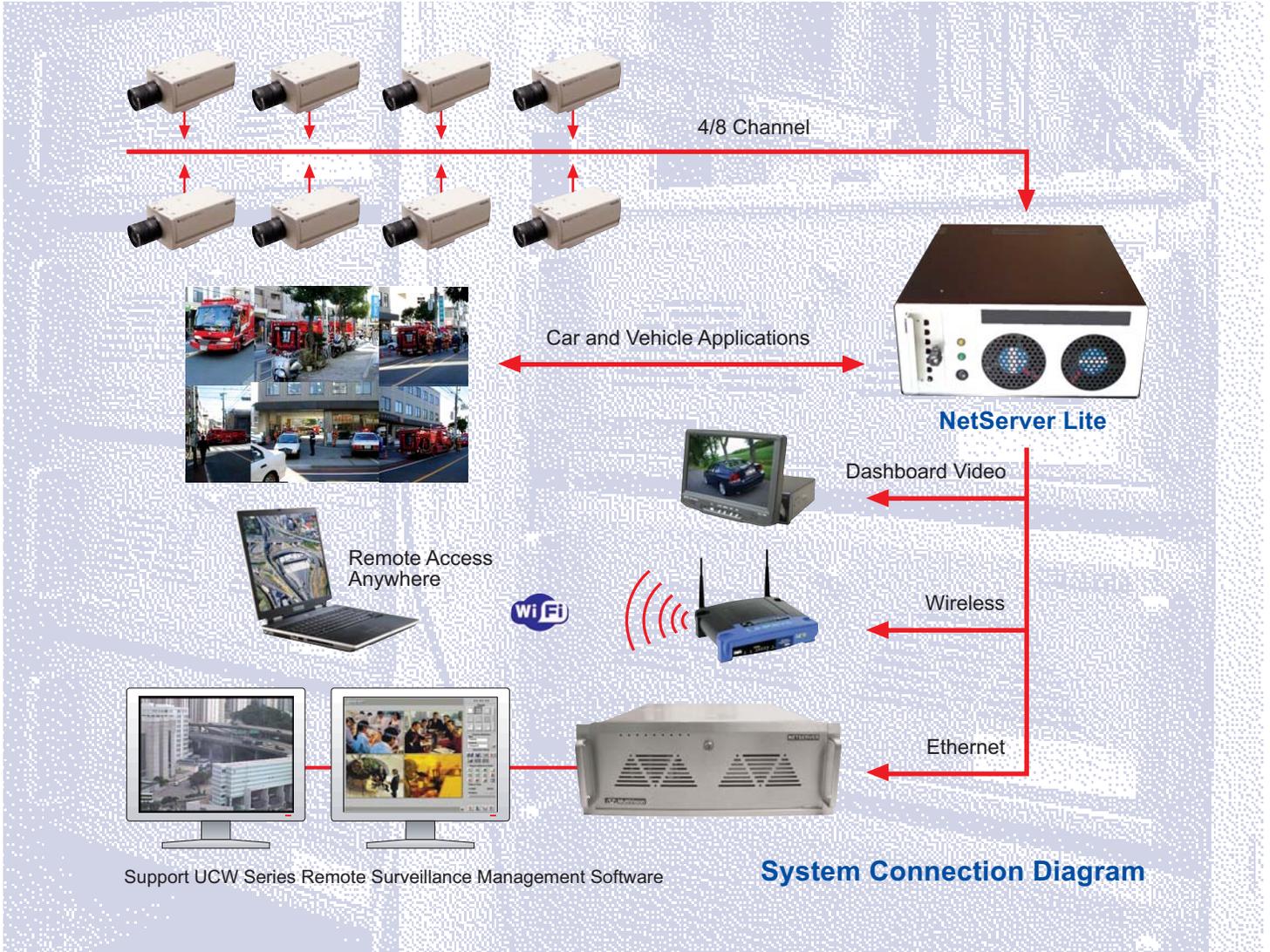
Flexible Range: The NetServer Lite series provides a flexible solution ranging from the NetServer Lite Basic, through the NetServer Lite, NetServer Lite-Pro to the NetServer Lite-Super, depending on performance and number of cameras required. Each system can be customized, for up to 8 cameras.

Anti-Vibration Structures: The NetServer Lite System provides a high level of overall protection against vibration and mechanical shock. The system conforms to random-vibration & shock tests to MIL-STD-810 Method 514.5, Category 4 and MIL-STD-810E Method 516.4

Compatible with Mobile Power Sources: A compact and easy to install system designed for either 12V or 24V vehicle power supply voltages. A DC/DC convertor is used for voltage stabilization for mobile applications. The wide input voltage range DC/DC convertor converts the available vehicle voltage supply to a stable 12V DC voltage to power the system. Power can be taken from the regular vehicle dashboard cigarette-lighter adaptor if required.

NetServer Lite key features:

- * Windows-based system for flexibility of use.
- * Windows XP embedded with Compact Flash/SD Memory for system stability.
- * Up to 8-channels of digital video recording for multi-channel applications.
- * Supports wireless connectivity with a wireless/cellular air card port.
- * Software applications support remote camera viewing, playback, and recording.
- * Adjustable contact switch inputs allows user to configure alarm inputs (Door, Horn, etc.).
- * Supports up to 4 USB ports and 1 RS-232 serial port for customizable capability.
- * Power-off Protection feature makes the system automatically record when power is restored.
- * Adjustable frame rate and resolution for recording.
- * Adjustable recording file size for storage.
- * MPEG-4 format used for reduced file size for maximum storage.
- * True mobile technology allowing application software support monitoring via LAN, wireless, and GPRS (CDMA/GSM).
- * Anti-vibration platform to aid system performance and durability.
- * Video authentication watermark of recorded images.



System Connection Diagram

Standard Configuration	NetServer Lite Basic	NetServer Lite	NetServer Lite Pro	NetServer Lite Super
Video input	4 channels	8 channels	8 channels	4 channels
Audio recording	1 channel	1 channel	1 channel	4 channels
Alarm feature	4 alarm inputs 3 alarm outputs			
Remote transmission speed (LAN)	25 fps	25 fps	25 fps	25 fps
Display modes	Full Quad	Full Quad	Full Quad	Full Quad
Remote compatibility	NetViewer	UCW	UCW	UCW
Alarm Alert	Yes	Yes	Yes	Yes
Remote Playback	Yes	Yes	Yes	Yes

Features of NetServer Lite

Video Features

Video input	* Supports PAL / NTSC composite video.
Video display	* Displays on SVGA monitor or NTSC / PAL video monitor. * Displays real-time video at optimum conditions of up to eight channels. * Minimum refresh rate at quad screen display mode is approximately 25 f/s (PAL) or 30 f/s (NTSC).
Video display resolution	* Video sequential switching on single or quad display.
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). * Provides circular recording mode to allow recycling use of the recording drives.
Recording resolution	* High resolution (384x288 PAL, 320x240 NTSC). * Low resolution (192x144 PAL, 160x120 NTSC).
Compression for digital video recording	* Uses 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 cameras being recorded. * The unit will provide an average of 24 hours of high resolution recording on 4 cameras at maximum frame rate on a 22GB hard disk. * The recording capacity can be upgraded to meet additional requirements.
Recording speed	User defined time lapse intervals for individual cameras. * 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	* Recorded video 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 printing	* The captured image or a selected part of the zoomed image can be directly printed with any Windows compatible printer or saved to floppy disk.

Specifications subject to change without notification



44100 Old Warm Springs Blvd, Fremont CA 94538
Tel: +1 510 668 1787 Fax: +1 510 668 1677
E-mail: enquiry@mvmobile.com Web: www.mvmobile.com