



NETSERVER | SMART

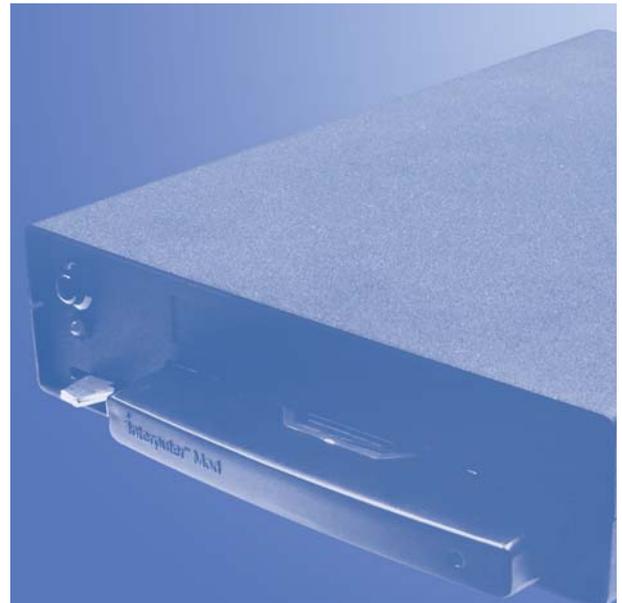
Digital Video Surveillance System

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

The surveillance solution for a peace of mind

NetServer Smart is MultiVision's latest development, designed to cater specifically for mobile professionals or transportation industry where you need to have access to security information on the move. It is designed to provide cost-effective digital video surveillance on a variety of applications and due to its size is relatively small (50mm x 197mm x 272mm) to be able to suit a myriad of installations. Infact NetServer Smart is the smallest stand alone system available today.

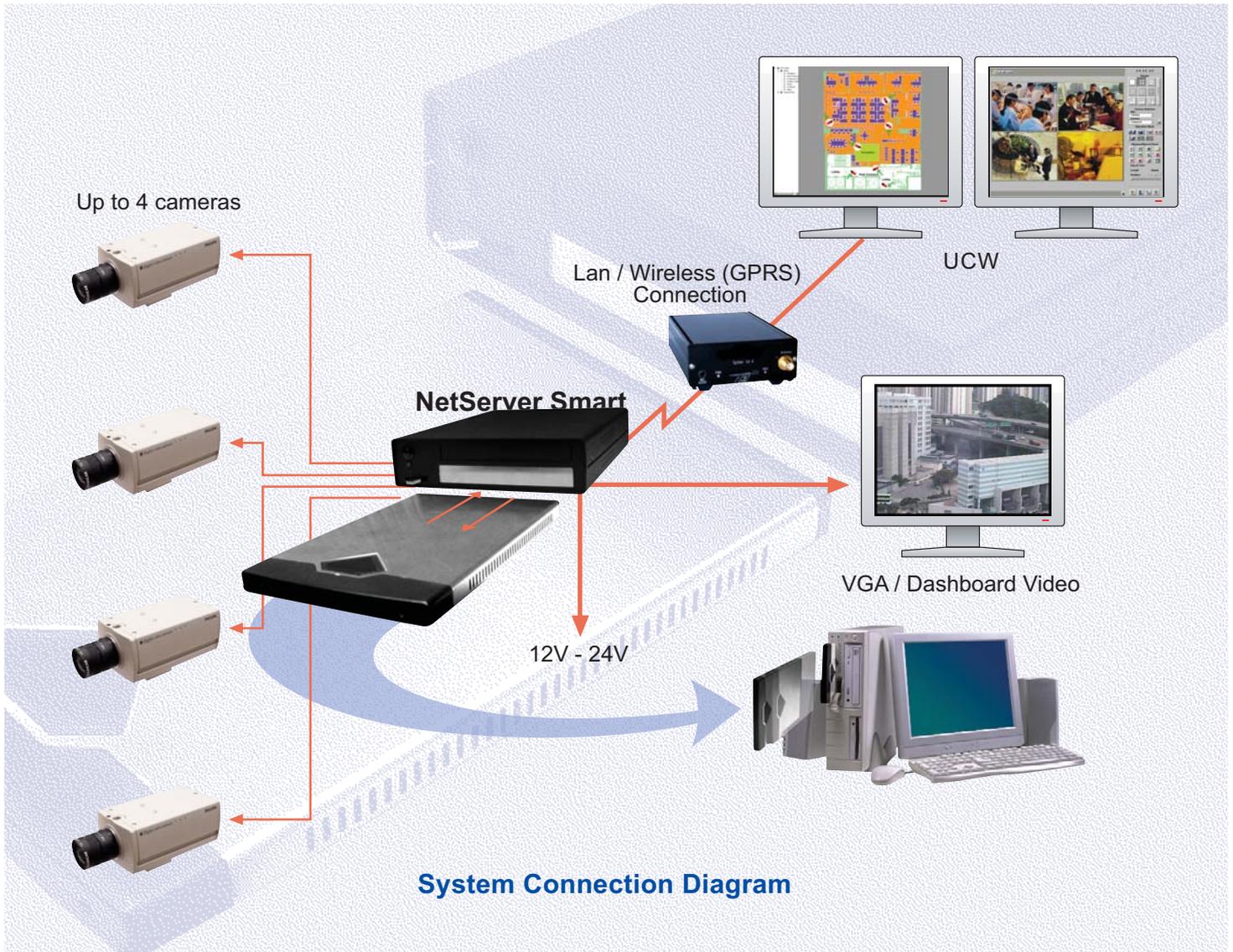
NetServer Smart has various models which can monitor up to four channels. Its main features include; 10GB (optional 40GB) storage, Intel PIII-700Mhz processor 256MB SDRAM, external monitor output (PAL or NTSC for dashboard monitor), single audio input, VGA monitor output and operates on Windows XP Home Edition.



NetServer Smart has the ability to be able to be used inside on a Desktop system. This "Docking Station" enhances the application especially within environments where down time is critical. You simply unplug the Module from the mobile and plug it into the purpose built Docking unit. All the features of the NetServer Smart are then transferred to the desktop. Useful for downloading recorded files from the Smart Module or performing routine maintenance on your fleet.

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
- * One channel audio recording (standard)
- * Software watchdogs
- * Average 2.5K per frame (384x288 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, Wireless, GPRS (GSM)
- * Alarm alert to remote PC with Remote Station
- * Video authentication watermark of recorded images



System Connection Diagram

Standard Configuration	NetServer Smart Basic	NetServer Smart	NetServer Smart Pro
Video Input	4	4	4
Audio recording	1	1	4
Alarm Feature	4 alarm inputs 3 alarm outputs	4 alarm inputs 3 alarm outputs	4 alarm inputs 3 alarm outputs
Digital video recording (Total)	25 fps (PAL) 30 fps (NTSC)	25 fps (PAL) 30 fps (NTSC)	100 fps (PAL) 120 fps (NTSC)
Remote Transmission Speed (LAN)	25 fps	25 fps	100 fps
Display Modes	Full Quad	Full Quad	Full Quad
Remote Compatibility	NetViewer	UCW	UCW
Alarm Alert	Yes	Yes	Yes
Remote Playback	Yes	Yes	Yes

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 quad screen display mode is about 25 f/s (PAL) or 30 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 4 cameras at max. frame rate based on 22GB hard disk. * The recording capacity can be upgraded to meet additional requirement.
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.

Standard Configuration

CPU	Intel PIII-700Mhz Intel 440BX Chipset
Audio:	Esst Audio
Video:	SMI Lyx3DM4 AGP Multimedia Controller
LAN:	RealTek 10/100 LAN
RAM:	256MB SDRAM
HDD:	10GB HDD
O/S:	Windows XP Home Edition

Standard Configuration

Type	Quantity
Drive Bays	External 5.25" 1
IDE Support	1
PCI Slots	1
PS/2 Ports	Keyboard 1
	Mouse 1
Standard Ports	USB 2
Audio	Speaker 1
	Microphone 1

Video	VGA	1
	Monitor Out	1
Weight	2 Lbs	906 Grams
Height	1.95"	50 mm
Depth	10.71"	272 mm
Width	7.75"	197 mm
Power Source		12VDC

Options
40GB HDD
Slim CDROM / DVD
Mounting Kit for In-vehicle Installation
GPRS Modem
RAM upgrade 512 MB

Specifications subject to change without notification



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