

# Network Video Server (Video Encoder)

Dual Stream of H.264 and M-JPEG, 2 Way Audio, PoE, PTZ Control, Digital PTZ, Analog Video Loop-out, NTSC/PAL

Model: NVS102



*The NVS102 Network Video Server digitizes analog video and then transmits the signal across an IP network - such as a LAN, Intranet or Internet. This allows you to take your first step in implementing an IP-based system without having to install new network cameras. Besides, the loop-out analog video also enables connection to existing CCTV equipment such as DVR, etc.*

## Features

- Dual Streaming of H.264 and M-JPEG
- Up to 30 frames per second in all image resolutions
- Supports image resolutions up to D1
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and email upload of still images and videos
- Full Duplex Two-Way Audio Support
- Support PTZ control (with Pelco-D/P protocol)
- Digital PTZ
- SD/SDHC Local storage, Event triggered, scheduled and continuous recording supported
- 1 Port analog video loop-out port (Concurrent use of IP video & CCTV)
- External microphone input & speaker output connector
- Terminal block for external sensors or external alarm devices
- Supports CBR (constant bit rate) and VBR (variable bit rate) modes
- Controllable frame rate
- Video access through any standard Web browser
- Supports IEEE 802.3af Power over Ethernet injectors, mid- and end-spans
- Integrated HTTP Web server supporting 50 simultaneous user connections
- HTTPS supported (Hyper Text Transfer Protocol Secured)
- Integrated E-Mail, FTP, DDNS and DHCP client
- Extensive CGI API for software integration and remote programming operations

- Including Windows based IP Installer and NVR(Network Video Recorder) software for up to 16 channels

## Specifications

Classification		Specification
General	CPU	32-bit ARM9 RISC CPU up to 533MHz, 32KB I/D-Cache, MMU
	Video Buffer	16Mbyte Video Frame Buffer
	Flash	16 Mbyte Flash Memory
	SDRAM	256Mbyte
Video	Analog Video Input	1 channel input through BNC
	Video compression	H.264 baseline profile, Motion JPEG
	Resolutions	Up to D1 (NTSC 720x480, PAL 720x576)
	Frame rate	H.264 Up to 30fps with D1
		MJPEG Up to 30fps with VGA resolution
	Video streaming	Support multi stream with H.264, MJPEG
		Adjustable frame rate
		VBR/CBR in H.264
	Pan/Tilt/Zoom	PTZ camera control via Pelco-D/P protocol
		Digital PTZ, Preset, tour
Image setting	Brightness, Contrast, Sharpness control	
Output	1 x Composite(Loop-out) (1 Vpp 75 Ohm)	
Audio	Audio streaming	Two-way, full duplex
	Audio compression	G.711
	Sample Rate	8KHz
	Data Rate	64Kbps
	Audio input	Microphone input /1 x Line-In (Single Mono)
	Audio output	Line output/ 1 x Line-Out (Single Mono)
Serial	Port	RS-485, RS-232 (Internal Port for Console)
	Data Rate	600bps~ 115200bps
Network	Security	Password protection
		User access log
		HTTPS encryption
	Supported protocol	HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP
		RTSP, RTP, TCP, UDP, ICMP, DHCP
System integration	Intelligent video	Motion detection up to D1 with 32x24 blocks
	Alarm trigger	Intelligent video
		External input/Normal Open/Close Type
	Alarm events	File upload via ftp, e-mail

		Notification via email, FTP and TCP
		External output activation/Normal Open/Close Type
	Video buffer	16MB pre-alarm and post-alarm
	Recording	Save to SD/SDHC card with event mode and continuous mode
	Firmware upgrade	Remote upgrade via network
	API	CGI Interface document
		ActiveX Interface(ocx(dll) + document)
etc	RESET Button	1 x Factory Reset Button
Physical	Power Source	DC 12V/1.5A, PoE(Power over Ethernet): 802.3af
	Power Consumption	Max. 4.8W
	Net Weight	1.2Kg Appr. (Encoder Only)
	LED's	Power, Network Connection
	Dimension	140mm(W) X347mm(H) X 124mm(D)
Environment	Operating Temperature	-25 degree~50 degree Celsius (-13F~122F)
	Storage Temperature	-25 degree~60 degree Celsius (-13F~140F)
Software	Included Software	NVR Lite (16 Channel), IP Installer
Package	Package Contents	Network Video Server, Use Manual, External Power Adaptor, Software CD

■ Specifications are subject to change without prior notice to enhance performance and stability

## System Configuration

