

# Lite Series Digital Video Recorders

NL-DVR320

NL-DVR377



**National  
Electronics**

The National Electronics Lite series offers one, four and sixteen channel models, providing an economical and reliable solution for digital video recording applications. The four and sixteen channel models integrate multiplexing and recording, while the single channel model is an ideal VCR replacement, compatible with most multiplexers and quad processors on the market.

Engineered on an embedded operating system platform, these recorders provide stable, reliable operation and produce clear video images. Digitally stored video is easily retrieved for prompt playback and review. All models accept removable hard drive storage, allowing users to customize the hard drive configuration for each specific application.

These cost effective products provide an alternative to analog recording technologies and the flexibility required to meet your digital video recording requirements.

## Features

- *Cost effective replacement for analog recording technology*
- *High resolution, clear video images*
- *4 resolution settings*
- *Accept removable hard drive storage (hard drive(s) not included)*
- *Search by time, date, event*
- *Power-off protection resumes operation after power loss*
- *Stable, reliable embedded operating system*
- *Wavelet compression technology*
- *Fast Forward from 2X - 32X*
- *Slow Forward from 1/2X - 1/32X*
- *Password Protection and Key Locked Hard Disk Drive prevents tampering*
- *1 year warranty*

**NL-DVR320**  
**NL-DVR374**  
**NL-DVR377**

**Lite Series Digital Video Recorders**

**Technical Specifications**

Category	Specification	Models		
		NL-DVR320	NL-DVR374	NL-DVR377
Video format	NTSC/PAL	•	•	•
Hard drive storage	IDE type, removable hard drive(s) supported (250GB max each)	1	1	2
Record mode	Manual / Alarm / External / Timer	•	•	•
Playback searching	Date & time/Event/Alarm	•	•	•
RS232 or RS485	Yes	•	•	•
On screen display	Yes	•	•	•
Security	Password protection	•	•	•
Video input(s)	Composite video signal 1Vp-p/75 Ohm BNC	1	4 (looping)	16 (looping)
Main monitor output	Composite video signal 1Vp-p/75 Ohm BNC	•	•	•
Call monitor output	Composite video signal 1Vp-p/75 Ohm BNC	•	•	•
Audio input	4 audio inputs, (RCA) type - only 1 can be selected for recording	•	•	•
Audio output	2 audio outputs, (RCA) type - from same source	•	•	•
Activity detection	15 x 12 targets per camera, 256 levels of sensitivity	•	•	•
Video resolution	720 x 486 NTSC, 720 x 576 PAL	•	•	•
Video compression	Wavelet	•	•	•
Video loss detection	Yes	•	•	•
Display rate	Images per second (NTSC/PAL)	60/50	120/100	72/60
Record rate	Images per second (NTSC/PAL)	60/50	25/18	25/18
Picture in picture	Yes (moveable)	•	•	•
Picture zoom	2X (moveable)	•	•	•
Camera title	6 characters	•	•	•
Front panel key lockout	Menu programmable	•	•	•
HDD key lock	Yes	•	•	•
Alarm input	TTL input, Hi (5V), Low (Gnd)	1	4	16
Alarm output	Dry contact, NO	•	•	•
Rack mounting	Rack mount kit	included	optional	optional
Power source	AC100~240V Switching adapter	•	•	•
Power consumption	Wattage	27W	32W	45W
Weight	kg / lbs	5.2 / 11.46	5.4 / 11.9	5.7 / 12.56
Dimensions	380 x 270 x 65mm, 14.96 x 10.63 x 2.55 in (w x d x h)	•	•	•
	430 x 300 x 65mm, 16.9 x 11.8 x 2.55 in (w x d x h)	•	•	•
	432 x 325 x 110mm, 17.0 x 12.79 x 4.33 in (w x d x h)	•	•	•
Operation temperature	10~40° C, 41~104° F	•	•	•

**Estimated Recording Duration / Quality Matrix** (based on DVR with 120GB Hard Drive)

Images per Second	60*	30*	25	15A**	15	8	4	2	1
Quality									
Best	12hr	24hr	28hr	24hr	48hr	90hr	180hr	360hr	720hr
High	25hr	30hr	35hr	30hr	60hr	112.5hr	225hr	450hr	900hr
Normal	24hr	48hr	56hr	48hr	96hr	180hr	360hr	720hr	1440hr
Basic	40hr	80hr	93hr	80hr	160hr	300hr	600hr	1200hr	2400hr

\* Only applicable with single channel NL-DVR320

\*\* If audio recording is being utilized (only applicable with NL-DVR374 & NL-DVR377)

**Available accessories:** hard drives, extra hard drive cartridges, and rack mount kits

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