



# NDR104

## Real time Full D1 pure Hybrid NDR



### Features

- Full D1 real-time H.264 recording and playback.
- Pure hybrid, IP camera or analog camera configurable for each channel
- Analog camera\*4 or IP cameras\*4 or Mixed.
- HTTP web-based interface including NDR configuration, PTZ control, playback, and live monitoring.
- NDRs cascaded are allowed for controlling via TCP/IP network for easy-cabling configuration.
- Master and slave NDRs design allows distributed quick accessing tables for pre-programmed IP cameras and NDRs.
- 3G mobile phone solutions provided
- Resolution, frame rate, and video quality configurable for each channel
- WS-Discovery for quick IP setup of IP cameras and NDRs.
- LCD monitor backlight power saving design.

### Dimensions 434 mm x 364.3 x 52.8 mm



HYBRID NDR		
Real time Full D1 pure Hybrid		
Model	NDR 104	
Recording	Recording	SATA HDD: internal * 2 (A)
Recording mode	Recording mode	External alarm / motion detection / schedule / manual / weighted recording
	Video source	Analog camera*4 or IP cameras*4 or Mixed.
	Speed	PAL: Full D1 100 FPS/Sec at 720 * 576 NTSC: Full D1 120 FPS/Sec at 720 * 480
	Resolution	Full D1: 720 * 576 (PAL) 720*480 (NTSC) / CIF: 320 * 288 (PAL) 320 * 240 (NTSC)
	Schedule	7 day * 24 hrs time table, recording mode configurable
Backup	Backup	USB 2.0 flash disk / HTTP file download / Audio supported
	DVD/RW	External USB DVD/RW
Playback	Playback	H.264 AVC video
	Speed	FR: 2x, 4x, 8x, 16x, 32x, 64x FF: 2x, 4x, 8x, 16x, 32x, 64x
	Compression	H.264 AVC and JPEG
Video Input	Video Input	Analog cameras and/or IP cameras
	Camera Name	12 characters
	Live video	PAL: 100 FPS/Sec NTSC: 120 FPS/Sec
Video Output	Video Output	BNC * 2
	VGA output	3D intellectual motion adoptive refinement with vivid image enhancement VGA engine
	HD output	Up to 1920 * 1080p
	Backlight saving	LCD backlight saving mode
Multiplexer	Multiplexer	Sequence / digital zoom / freeze
	Digital zoom	ROI for 5X and 9X and playback mode
	Split screen	4
	Spot monitor	Live sequence or alarm switching
Management	Reports	Full alarm, configuration, and operation reports exporting over HTTP or USB
	Authentication	User authentication with feature configurable
	Diagnostic	NDR Internal temperature, fan failure detection, and HDD I/O speed
	Recording day	Dynamic recording day calculation
Alarm/event	Alarm/event	Alarm in * 4 and alarm out * 2 (NO/NC)
	Motion	Motion grid 12*12 each channel, 8 sensitivities
	Event	External alarm, video loss, stop recording, power recovery, motion detection, schedule, log on, HDD format
	Email	Alarm notification with JPEG attachments

HYBRID DVR		
Accessories	Accessories	Remote controller addressable up to 255 NDRs
	P/T/Z protocol	LILIN MLP2 and Pelco over HTTP/ONVIF/RS-485
	Keyboards	PIH-931D keyboard for controlling NDR/IP cameras over network
	IR receiver	Extra IR extension connector
	Mouse	USB / PS-2, drag-n-drop, right-mouse-click
	Audio	G.711 audio, RCA*1, 0.7Vp-p, 8KHz,16bit
Network	Remote control	Yes
	Protocols	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / DNS / NTP
	Web	Live / event log & time search playback / AVI / snapshot
	NDR status	HTML NDR status
Software	IPScan	WS-Discovery and IPScan supported, easy-to-setup for IP address
	BackupManager	Multiple NDRs FTP file download and multi-channel playback
	Mobile phone	iPhone, and Android mobile phone supported
Others	WDT	Hardware watchdog timer
	DST	Daylight saving time
	Multilanguage	English, Chinese, Spanish, Danish, Swiss, Norwegian, Arabic, Japanese, German, French, Polish, Portuguese, Vietnam, Italian
Power	CPU/OS	32-bit RISC Processor, ARM926 SoC 324 MHz, Linux 2.6 kernel
	Power	DC 12V, 4.2A, 48W
	Working Env.	Temp: 0°C ~ +50°C / Humidity: 0%~80%
	Dimension	434 mm x 364.3 * 52.8 mm (rackmountable)
Weight	3.8 Kg (w/o HDD)	