



DVR

NVR 104
Hybrid NDR Series



NDR104

DVR Series

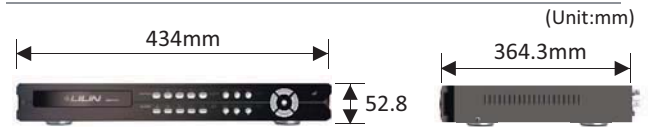
Real time Full D1 pure Hybrid NDR



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.
- ONVIF compliant protocol for IP cameras.
- HDMI compliant and VGA output at 1080p, built-in 3D intellectual motion adoptive refinement and vivid image enhancement engines.
- 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 DVR		
Real time Full D1 pure Hybrid		
Model	NDR 104	
Recording	Recording	SATA HDD: internal * 2 (A) / internal * 1 + external (eSATA) * 1
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, 6x / FF: 2x, 4x, 6x
	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
	HDMI	Up to 1920 * 1080p
	Backlight saving	LCD backlight saving mode
Multiplexer	Multiplexer	Sequence / digital zoom / freeze / PIP
	Digital zoom	ROI for 5X and 9X with PIP at live and playback mode
	Split screen	4, PIP
	Spot monitor	Live sequence or alarm switching
Matrix	Matrix	Control NDR and IP Fast Dome via TCP/IP by multiple keyboards
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 44*36 each channel, 8 sensitivities
	Event	External alarm, video loss, stop recording, power recovering, motion detection, schedule, log on, HDD format
	Email	Alarm notification with JPEG attachments

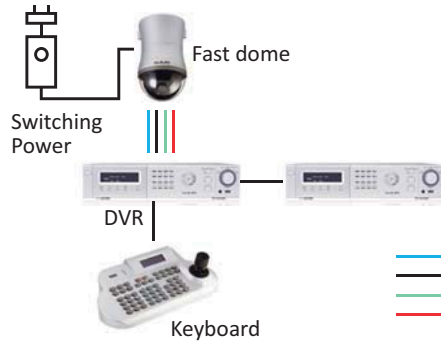
HYBRID DVR		
Accessories	Accessories	Remote controller addressable up to 255 NDRs
	P/T/Z protocol	LILIN MLP2 and Pelco over HTTP/ONVIF/RS-485
	Keyboards	PIH-931 keyboard for controlling NDR/IP cameras over network
	IR receiver	Extra IR extension connector, up to 200 m
	Mouse	USB / PS-2, drag-n-drop, right-mouse-click, mouse wheel.
	Audio	G.711 audio, RCA * 1 output (0.7Vp-p, 300 Hz to 3KHz)
Network	Remote control	Yes
	ONVIF	Direct Internet browser access / multiple users access Support ONVIF compliant IP cameras
	Protocols	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / DynDNS / ONVIF compliant / NTP
	Web	Live / event log & time search playback / AVI / snapshot
	DVR status	HTML DVR status
	IPScan	WS-Discovery and IPScan supported, easy-to-setup for IP address
Software	BackupManager	Multiple NDRs FTP file download and multi-channel playback
	Mobile phone	iPhone, BlackBerry, Java J2ME phone, and Windows Mobile
Others	WDT	Hardware watchdog timer
	DST	Daylight saving time
	Multilanguage	English, Chinese, Spanish, Danish, Swiss, Norwegian, Arabic, Japanese, German, French, Polish, Portuguese, Vietnam, Italian
	CPU/OS	32-bit RISC Processor, ARM926 SoC 336 MHz, Linux 2.6 kernel
Power	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	5.2 Kg w/o HDD



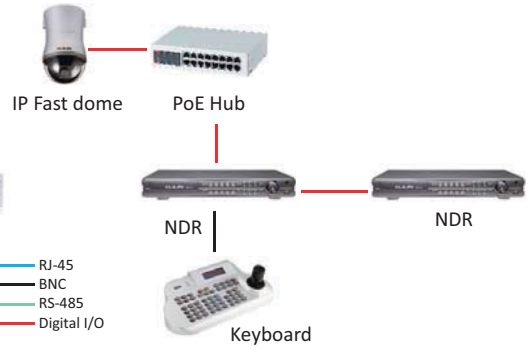
Hybrid DVR

Hybrid DVR < NDR 104 > Saving wiring cost , Easy to setup

<Analog System>



<IP System>



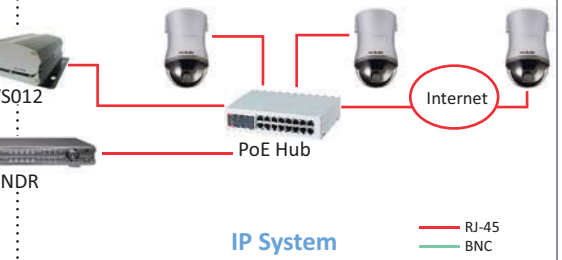
- RJ-45
- BNC
- RS-485
- Digital I/O

Expandable System

<Analog Camera>

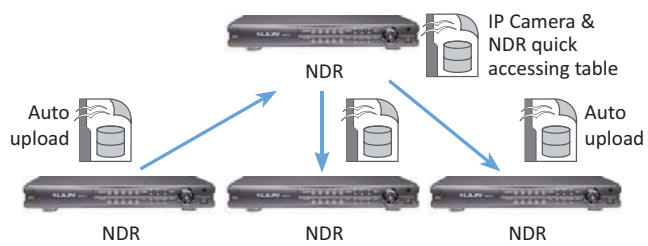


<IP Camera>



- RJ-45
- BNC

Master and slave NDRs database design IP Camera and NDR data sheet can auto download or upload



WS-Discovery function < WS-Discovery for quick IP setup of IP Cameras and NDRs >

