2012

Creativity Progress & Excellence

Network Product

✪LILIN®

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.
- 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.
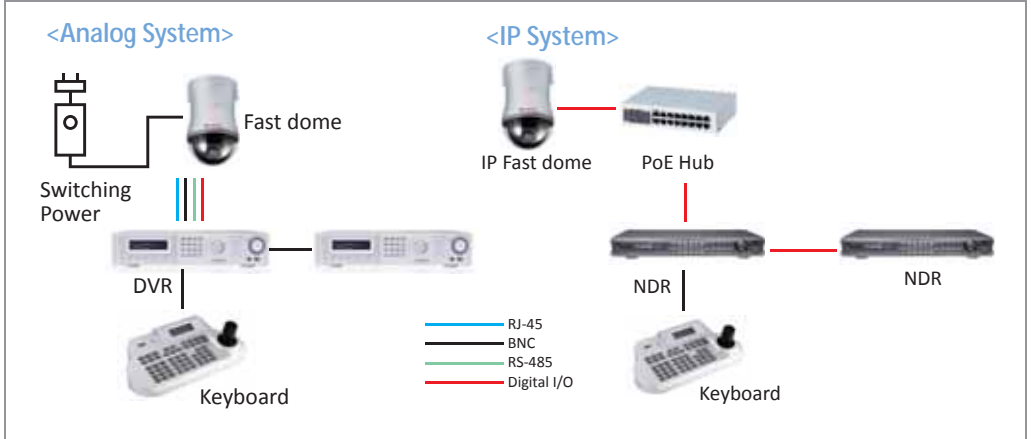- LCD monitor backlight power saving design.

Hybrid	H.264	VGA outputs 1920x1080p	ROI	GUI CAMERA	Motion	FTP	File Backup
Power Saving	Mobile	Web viewer	Audio	DVD/RW	Mouse	USB	

Dimensions 434 mm x 364.3 x 52.8 mm

(Unit:mm)

434mm

52.8

364.3mm

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
	HDMI	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

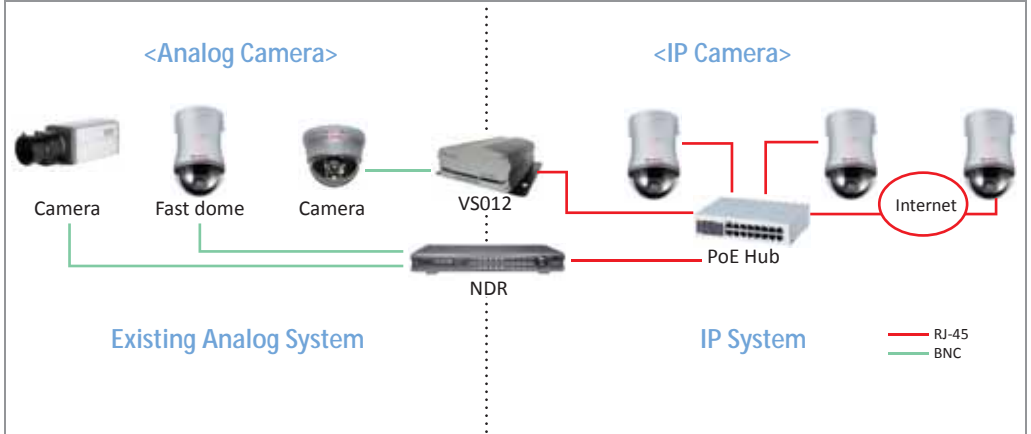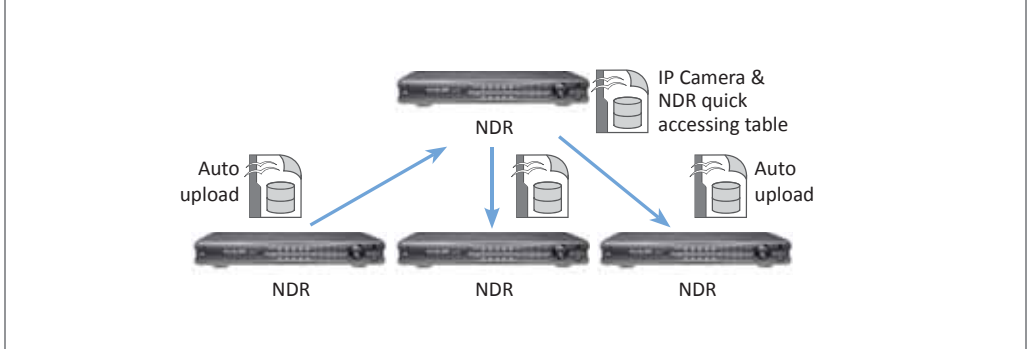| HYBRID DVR		
Accessories	Accessories	Remote controller addressable up to 255 NDRs
	P/T/Z protocol	LILIN MLP2 and Pelco over HTTP/ONVIF/ RS-485
	Keyboards	PIH-931D keyboard for controlling NDR/IP cameras over network
	IR receiver	Extra IR extension connector
	Mouse	USB / PS-2, drag-n-drop, right-mouse-click
	Audio	G.711 audio, RCA*1, 0.7Vp-p, 8KHz,16bit
	Remote control	Yes
Network	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
	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, 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
	CPU/OS	32-bit RISC Processor, ARM926 SoC 324 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	3.8 Kg (w/o HDD)

LILIN

Network Products

Hybrid DVR < NDR 104 >

Saving wiring cost , Easy to setup

<Analog System>

Fast dome

Switching Power

DVR

Keyboard

<IP System>

IP Fast dome   PoE Hub

NDR

NDR

Keyboard

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

Expandable System

<Analog Camera>

Camera   Fast dome   Camera   VS012

<IP Camera>

Internet

PoE Hub

NDR

Existing Analog System

IP System

▬▬	RJ-45
▬▬	BNC

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

NDR

IP Camera & NDR quick accessing table

Auto upload

Auto upload

NDR   NDR   NDR

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

WS-Discovery

search

Install new NDR

#1 192.168.0.1
#2 192.168.0.2
#3 192.168.0.3

NDR