

LN SATA SERIES

1.5U Standalone DVR



Model

DH-DVR0404LN-S PLUS	4 channel audio/video basic model
DH-DVR0804LNH-S	8 channel loop matrix and audio/video model
DH-DVR1604LNH-S	16 channel loop matrix and audio/video model

Features

- Most competitive price and high cost effectiveness
- H.264 compression algorithm ideal for standalone DVR
- Realtime live display up to 16 cameras, 400/480 fps recording for CIF, 100/120 fps recording for 4CIF
- Pentaplex function: live, recording, playback, backup & remote access
- 4 HDDs supported & CD-RW/DVD-RW supported
- 4 channel audio inputs and bidirectional talk supported
- Multiple control methods: Front panel, IR remote controller, DAHUA keyboard, USB mouse and network keyboard
- Smart video detection: motion detection, camera blank, video loss
- Smart camera settings: privacy masking, camera lock, color setting, and title display
- Pan Tilt Zoom and Speed Dome Control: more than 60 protocols supported, preset, scan, auto pan, auto tour, pattern, auxiliary function supported. And with Dahua Speed Dome, 3D intelligent positioning function supported
- Easy backup methods: USB devices, CD-RW/DVD-RW & network download
- Alarm triggering screen tips, buzzer, PTZ preset, e-mail, FTP upload
- Smart HDDs Management: non-working HDD hibernation, HDD faulty alarm, Raid function
- Powerful network software: built-in web server, multi-DVR client & CMS. Networking access for remote live viewing, recording, playback, setting, system status, event log, e-mail & ftp function

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Specifications

System										
Main Processor	High performance embedded microprocessor									
Operating System	Embedded LINUX									
System Resources	Pentaplex function: live, recording, playback, backup & remote access									
User Interface	GUI, on-screen menu tips									
Control Device	Front panel, USB mouse, DAHUA keyboard, IR remote control, network keyboard									
Input Method	Numeral/Character/Denotation									
System Status	HDD status, data stream statistics, log record, bios version, on-line user etc.									
Video										
Video Input	4/8/16 channel, BNC, 1.0Vp-p, 75Ω, looping(optional)									
Video Output	2 channel TV output, BNC, 1.0Vp-p, 75Ω, 1 VGA output, matrix output(optional) (DVR0404LN-S PLUS with only 1 channel TV output)									
Video Standards	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)									
Video Compression	H.264									
Video Resolution	<table border="1"> <thead> <tr> <th>Format</th> <th>NTSC</th> <th>PAL</th> </tr> </thead> <tbody> <tr> <td>D1(4CIF)</td> <td>704 X 480</td> <td>704 X 576</td> </tr> <tr> <td>CIF</td> <td>352 X 240</td> <td>352 X 288</td> </tr> </tbody> </table>	Format	NTSC	PAL	D1(4CIF)	704 X 480	704 X 576	CIF	352 X 240	352 X 288
Format	NTSC	PAL								
D1(4CIF)	704 X 480	704 X 576								
CIF	352 X 240	352 X 288								
Video Recording	CIF: PAL 1f/s~25f/s, NTSC 1f/s~30f/s; 4CIF: PAL 1f/s-6f/s NTSC 1f/s-7f/s;									
Video Display Split	Full and multiple screen display, 1 / 4 / 8 / 9 / 16									
Tour Display	Support									
Image Quality	1~6 level(level 6 is the best)									
Privacy Masking	8 self-defined four-sided zones for privacy masking for each camera									
Camera Lock	Camera locked for users									
Camera Adjustment	Adjust color according to different time period									
Video Information	Camera title, time, video loss, camera lock, motion detection, recording									
TV Output Adjustment	Adjust TV output color & display zone									
Audio										
Audio Input	4 channel, BNC, 200-2800mV, 30KΩ									
Bidirectional Talk Input	1 channel, BNC, 200-2800mV, 30KΩ									
Audio Output	1 channel, BNC, 200-3000mv, 5KΩ									
Audio Compression	G.711									
Video Detection & Alarm										
Motion Detection	Zones: 396 (22*18) detection zones Sensitivity: 1~6 (level 6 is highest) Trigger recording, PTZ movement, tour, alarm, e-mail & ftp upload									
Video Loss	Trigger recording, PTZ movement, tour, alarm, e-mail & ftp upload									
Camera Blank	Trigger recording, PTZ movement, tour, alarm, e-mail & ftp upload									

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Alarm Input	4/16/16 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, alarm, e-mail & ftp upload
Relay output	3/6/6 channel, 30VDC, 1A, NO/NC, form-C
Hard Disk	
Hard Disk	4 SATA ports, 4 HDDs supported
Space Occupation	Audio: 14.4MB/H Video: 56~500MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy)
Record, Playback & Backup	
Recording Mode	Manual, continuous, video detection (including motion detection, camera blank, video loss), Alarm
Recording Priority	Manual >Alarm >Video Detection >Continuous
Recording Interval	1 to 120 minutes (default: 60 minutes), Pre-record up to 30 seconds, Post-record up to 5 minutes
Overwrite Mode	Support
Raid Function	Support
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)
Playback	2 channel playback simultaneously, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection
Digital Zoom	Selected zone can zoom into full screen during playback
Backup Mode	Flash disk/ USB HDD/ USB CD/DVD-RW/ built-in SATA Burner/ Network download
Network	
Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, DHCP, PPPOE, DDNS, E-mail, FTP, IP Filter
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information
Auxiliary Interface	
USB Interface	2 ports, 1 for mouse control, 1 for backup
RS232	DAHUA keyboard, PC communication
RS485	PTZ control
Environmental	
Power Supply	220V 50Hz / 110V 60Hz
Power consumption	25W
Working Temperature	-10°C ~+55°C
Working Humidity	10%~90%
Atmosphere Pressure	86kpa~106kpa
Dimension	1.5U, 440mmx460mmx70mm (W*D*H)
Weight	5KG(without HDD)
Mounting	Desktop or rack

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Rear Panel

DVR0404LN-S PLUS



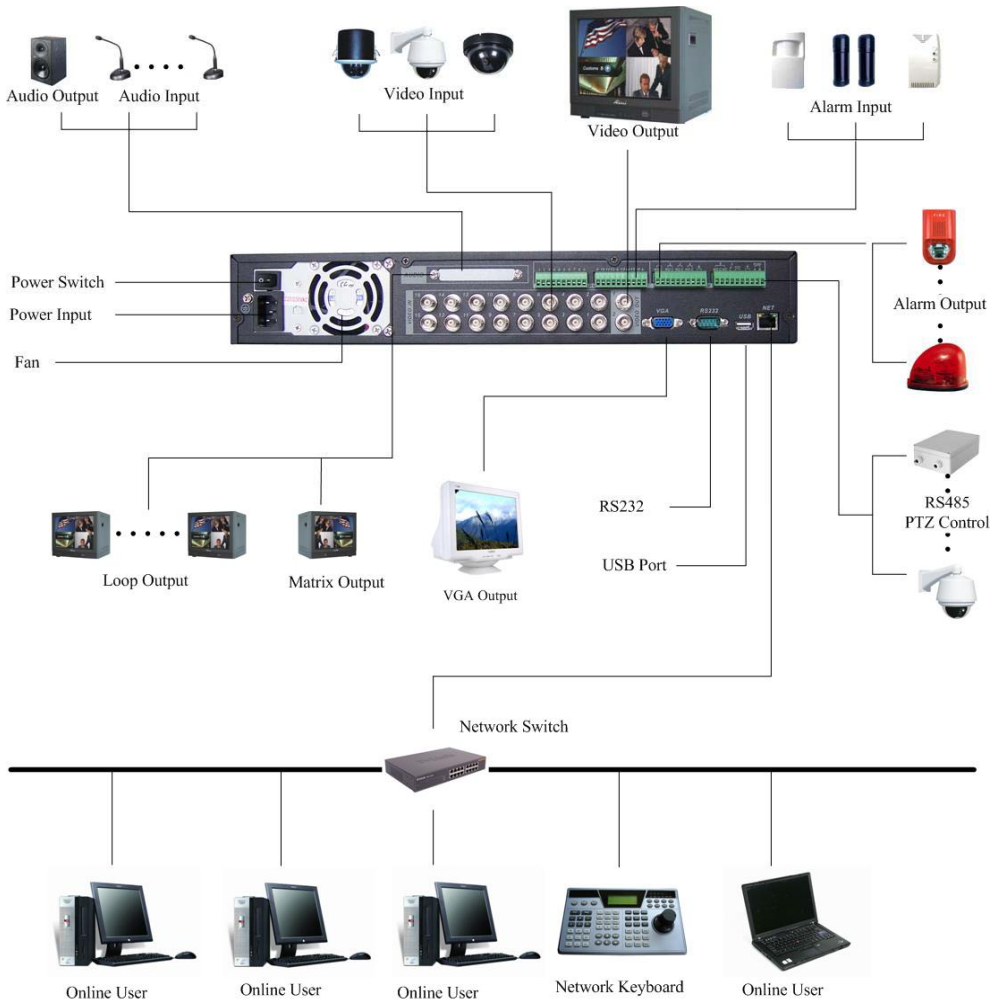
DVR0804LNH-S



DVR1604LNH-S



Connection Sample



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Comparisons

Model	Audio Input	Loop Output	Matrix Output	Bidirectional Talk Input
DVR0404LN-S PLUS	4 channel	NO	NO	NO
DVR0804LNH-S	4 channel	8 channel	1 channel	1 channel
DVR1604LNH-S	4 channel	16 channel	1 channel	1 channel

Application

Recommended installation areas are Securities Companies, Change Booths, Casinos, Pawnshops, Jewelers, Galleries, Exhibition Halls, Department Stores, Convenience Stores, Discount Offices, Hospitals, Police Stations, Subway Stations, Airports, and Banks etc.

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