

JDS ECO SERIES

4/8/16 Channel ECO 1500 Series Standalone DVR



Model

JDS-ECO 1504	4 channel audio/video/matrix model
JDS-ECO 1508	8 channel audio/video/matrix model
JDS-ECO 1516	16 channel audio/video/matrix model

Note:

JDS-ECO 1504: 4 channel video inputs, 4 channel audio inputs, 4 channel loop outputs and 1 channel matrix output. The 1st video channel can support max 4CIF realtime recording and other channels can support CIF realtime recording. It can support VGA, HDMI, eSATA and USB2.0.

JDS-ECO 1508: 8 channel video inputs, 4 channel audio inputs, 8 channel loop outputs and 1 channel matrix output. The 1st video channel can support max 4CIF realtime recording and other channels can support CIF realtime recording. It can support VGA, HDMI, eSATA and USB2.0.

JDS-ECO 1516: 16 channel video inputs, 4 channel audio inputs, 16 channel loop outputs and 1 channel matrix output. The 1st and 9th video channels can support max 4CIF realtime recording and other channels can support CIF realtime recording. It can support VGA, HDMI, eSATA and USB2.0.

Features

- New 1.5U standalone DVR with most competitive price and high cost effectiveness
- H.264 compression algorithm ideal for standalone DVR
- Realtime live display up to 16 cameras with 720P high definition, 400/480 fps recording for CIF and special channel 4CIF realtime recording.
- Dual encoding streams support, flexible for network transmission and mobile phone monitoring
- Pentaplex function: live, recording, playback, backup & remote access
- 4 HDDs supported, eSATA port & CD-RW/DVD-RW supported
- 16 channel simultaneous playback
- Multiple control methods: Front panel, IR remote controller, JOIN keyboard, USB mouse and network keyboard

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- 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 JOIN Speed Dome, 3D intelligent positioning function supported
- Alarm triggering screen tips, buzzer, PTZ preset, e-mail, FTP upload
- Powerful network software: built-in web server, multi-DVR client, MSS(mobile surveillance software for smart phone) & CMS. Networking access for remote live viewing, recording, playback, setting, system status, event log

Specifications

Model	JDS-ECO 1504 JDS-ECO 1508 JDS-ECO 1516		
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, JOIN 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		
Video Output	1 channel TV output, BNC, 1.0Vp- p, 75Ω, 1 VGA output, 1 HDMI output		
Video Standards	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)		
Video Compression	H.264		
Video Resolution	Format	NTSC	PAL
	D1(4CIF)	704 X 480	704 X 576
	CIF	352 X 240	352 X 288
	QCIF	176 X 120	176 X 144
Video Recording	CIF/QCIF: PAL 1f/s~25f/s, NTSC 1f/s~30f/s; 4CIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s; (1 st channel of JDS-ECO 1504, 1 st channel of JDS-ECO 1508, 1 st and 9 th channel of JDS-ECO 1516 can support D1 realtime recording) Dual encoding streams supported;		
Video Display Split	Full and multiple screen display, 1 / 4 / 9 / 16		

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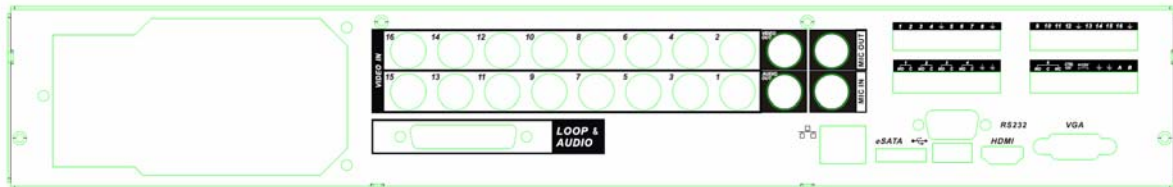
Tour Display	Support
Image Quality	1~6 level(level 6 is the best)
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera
Camera Lock	Camera locked for users
Camera Adjustment	Adjust color according to different time period
Video Information	Camera title, time, video loss, camera lock, motion detection, recording
TV Output Adjustment	Adjust TV output color & display zone
Audio	
Audio Input	4/4/4 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, email, matrix output
Video Loss	Trigger recording, PTZ movement, tour, alarm, email, matrix output
Camera Blank	Trigger recording, PTZ movement, tour, alarm, email, matrix output
Alarm Input	16/16/16 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, alarm, email, matrix output
Relay output	3/3/3 channel, 30VDC, 1A, NO/NC, form-C
Hard Disk	
Hard Disk	4 SATA ports, 4 HDDs supported, eSATA port
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
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)
Playback	4,8,16 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

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Network	
Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server
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	JOIN keyboard, PC communication
RS485	PTZ control
Environmental	
Power Supply	220V 50Hz / 110V 60Hz
Power consumption	25W/30W/40W
Working Temperature	-10°C~+55°C
Working Humidity	10%~90%
Atmosphere Pressure	86kpa~106kpa
Dimension	1.5U, 440mmx460mmx68mm (W*D*H)
Weight	6.0KG(without HDD)
Mounting	Desktop or rack

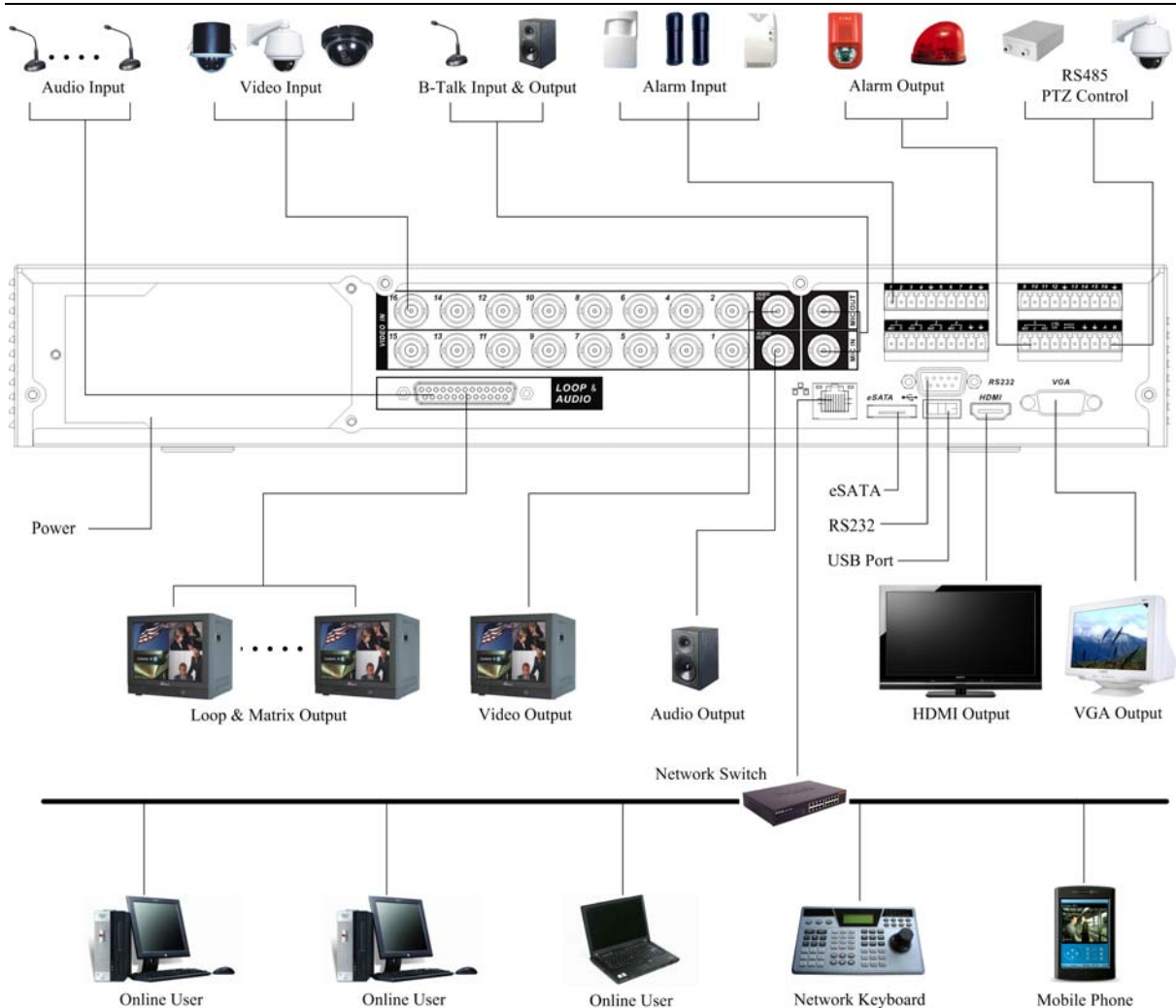
Rear Panel

Take JDS-ECO 1516 for the example



Connection Sample

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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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