

JDS ECO SERIES

4/8/16 Channel Entry Level Standalone DVR



Model

JDS-ECO 1004	4 channel audio/video basic model
JDS-ECO 1008	8 channel audio/video basic model
JDS-ECO 1016	16 channel audio/video basic model

Note:

JDS-ECO 1004: 4 channel video inputs and 4 channel audio inputs. The 1st video channel can support max 4CIF realtime recording and other channels can support CIF realtime recording. It can support VGA, HDMI and USB2.0.

JDS-ECO 1008: 8 channel video inputs and 8 channel audio inputs. The 1st video channel can support max 4CIF realtime recording and other channels can support CIF realtime recording. It can support VGA, HDMI and USB2.0.

JDS-ECO 1016: 16 channel video inputs and 4 channel audio inputs. 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 and USB2.0.

Features

- New standard for entry level DVR with high performance and competitive price
- 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
- 4,8,16 channel simultaneous playback
- Multiple control methods: Front panel, IR remote controller, JOIN 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 JOIN Speed Dome, 3D

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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 1004 JDS-ECO 1008 JDS-ECO 1016												
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												
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	<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> <tr> <td>QCIF</td> <td>176 X 120</td> <td>176 X 144</td> </tr> </tbody> </table>	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
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 ECO 1004, 1 st channel of DVRECO 1008, 1 st and 9 th channel of ECO 1016 can support D1 realtime recording) Dual encoding streams supported;												
Video Display Split	Full and multiple screen display, 1 / 4 / 9 / 16												
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												

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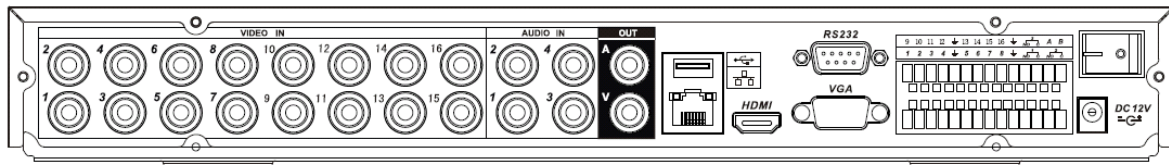
Camera Adjustment	Adjust color according to different time period
Video Information	Camera title, time, video loss, camera lock, motion detection, recording
TV Output Adjustment	Adjust TV output color & display zone
Audio	
Audio Input	4/8/4 channel, BNC, 200-2800mV, 30KΩ
Bidirectional Talk Input	1 channel, BNC, 200-2800mV, 30KΩ, same with the 1 st channel
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
Video Loss	Trigger recording, PTZ movement, tour, alarm, email
Camera Blank	Trigger recording, PTZ movement, tour, alarm, email
Alarm Input	4/8/16 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, alarm, email
Relay output	3/3/3 channel, 30VDC, 1A, NO/NC, form-C
Hard Disk	
Hard Disk	1 SATA port, 1 HDD supported
Space Occupation	Audio: 14.4MB/H Video: 56~500MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm
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 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/ Network download
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

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Auxiliary Interface	
USB Interface	2 ports, 1 for mouse control, 1 for backup
RS232	JDSkeyboard, 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	1U, 375mmx285mmx45mm (W*D*H)
Weight	2.35KG(without HDD)
Mounting	Desktop or rack

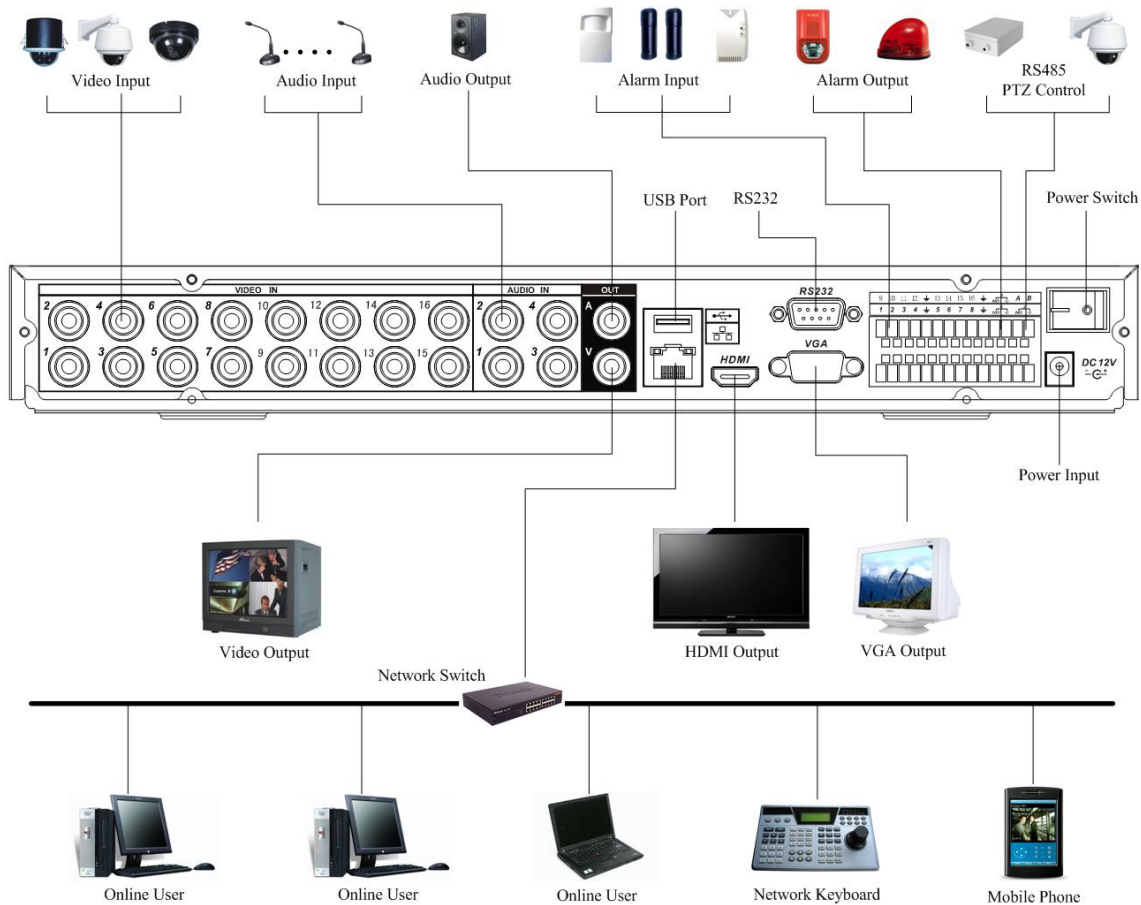
Rear Panel

Take JDS-ECO 1016 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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