

## JS-RTA-D1 Enterprise Class Digital Video Recorder

PENTAPLEX, D1 REAL-TIME, JOG/SHUTTLE, FEATURE-RICH, EASE OF USE

### Product Features

- H.264 Hardware Compression
- Up to 16 Video Inputs, 16 Audio Inputs
- Pentaplex
- 4CIF(D1) Real-Time Recording
- 480 Frames per Second
- Jog/Shuttle
- Ease of Use
- RAID 1
- VOIP
- USB Drive Support
- Complete Remote Access
- Up to 6 Terabytes Internal Storage
- Fluent PTZ Support
- Channel Independent Configuration
- VGA Included

The JS-RTA-D1 digital video recorder is the ultimate in digital surveillance technology. The DVR's very high performance, feature-rich, and ease of use functionality combine to create one of the best standalone systems on the market today.

The JS-RTA-D1 is an enterprise class digital video recorder utilizing H.264 hardware compression DSPs from Texas Instruments. The JS-RTA-D1 can push real-time video and audio recording at a full 4CIF resolution on every channel. That's 4 times the resolution as the standard CIF resolution. At least 2CIF is required to take full advantage of today's high resolution cameras.

The ease of use in this DVR is amazing. Simply plug it in and it begins recording. Mouse control provides very simple point-and-click settings and control. In addition, the unit also includes an IR remote. Use the jog shuttle control to easily fast forward, rewind, and advanced frame-by-frame. Up to 2 independent channels can be played back simultaneously, even at different time intervals. 4 channel simultaneous playback can be done via the web interface or client software.



Remote viewing, playback, configuration, upgrade, reboot, and backup are all standard on the JS-RTA-D1. The embedded web server enables users to perform all these remote function via an Internet Explorer web browser, eliminating the need to install software. Client software is also included for central monitoring and alerts for multiple JS-RTA-D1 units. Dual streaming configurations are also a standard feature allowing high resolution recording on the unit locally, while lower bit rates and resolution are used for remote viewing, conserving network bandwidth and increasing remote viewing quality and performance. Two-way voice talk and audio over the Internet is also standard on the JS-RTA-D1.

There are too many features to list, but some of the following include: 10 simultaneous network users, RAID storage, FTP record/backup, email alerts, DDNS support, 3D intelligent PTZ control, power failure auto-recovery, DVD-RW backup, user management and much more.

Full featured 3<sup>rd</sup> generation digital surveillance technology utilizing a Linux embedded OS, embedded web server, and TI DSPs bring together the most powerful network-based digital video recorder available without sacrificing usability.

# TECHNICAL SPECIFICATIONS

## MODELS

JS-4RTA-D1	Standard 4ch unit with DVD-RW
JS-8RTA-D1	Standard 8ch unit with DVD-RW
JS-16RTA-D1	Standard 16ch unit with DVD-RW

## GENERAL

Video Inputs	4,8,16 inputs, 1.0Vp-p, 75Ω unbalanced
Video Outputs	1 Main Monitor 1 Spot Monitor 1 VGA
Audio Inputs	4,8,16 audio inputs (200-2800mV, 30KΩ)
Audio Outputs	1 audio output (200-3000mV, 5KΩ)
Voice Interface	1 (200-2800mV, 30KΩ)
Audio Compression	G.711, 64kbps ADPCM (VOIP standard)
Video Compression	H.264
Preview Resolution	NTSC: 704 x 480 (4CIF)
Compression Resolutions	NTSC: 704 x 480 (4CIF) NTSC: 704 x 240(2CIF)
Color	16.7 Million
Stream Type	Video or Video/Audio
Bit Rate	56kbps ~ 2Mbps (user-defined), variable
Recording Frame Rate	4CIF Resolution: 30 frames/sec/channel
Record Quality	Highest, Higher, High, Average, Low, Lower, Lowest
Record Mode	Schedule, Motion, Alarm (simultaneous or combination)
Playback Mode	Date/Time Search or Event Search
Operation Mode	Pentaplex (simultaneous monitor, record, playback, network, and backup)
Motion Detect	Area Division: 22 x 15, on/off selectable Motion Detect and Relay On Simultaneous
Privacy Masking Alerts	Yes
View Tampering Alerts	Yes
Network Function	Internet Explorer and Client Software
Alarm	16 Alarm Inputs / 6 Relay Output
Back-up	DVD-RW / USB / Network
RS485	Keyboard Controller / PTZ
HDD Interface	8 SATA. Internal bracket supports 1 DVD- RW plus 6 HDD.
HDD Management	Hibernation, HDD faulty alarms, RAID (redundancy)
VGA Interface	1, Support 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz

## MECHANICAL

Video Inputs	BNC female
Video Output	BNC female
Monitor Output	BNC female
Audio Inputs	RCA female
Audio Output	RCA female
Alarm Inputs	Screw Terminals
Alarm Outputs	Screw Terminals
RS485	Screw Terminals
Network	RJ-45 10M/100M UTP
VGA	9-pin D-sub female
RS-232	RJ-45
USB	USB 2.0 Type A port
IR Remote Controller	Standard, Addressable
Voice Interface	RCA female

## ELECTRICAL

Power Requirements	110V 60 Hz, 220V 50Hz
Power Consumption	22W ~42W (without HDD)

## ENVIRONMENTAL

Operating Temperature	32° to 131°F (0° to 55°C)
Operating Humidity	10-90% RH Max.

## PHYSICAL

Dimensions	19in. 2U 440(w) x 89(H) x 460(D)mm
Weight	20 lbs aprox. (without HDD)
Shipping Weight	23 lbs approx.

## OPTIONAL ACCESSORIES

N/A