

DS RealVue Desktop Enterprise-Class DVMS

INTEGRAL DIGITAL SENTRY® BROADCAST-QUALITY DVMS

Product Features

- 4-, 8-, or 16-Input Digital Video Management System (DVMS)
- MPEG-4 Video Compression
- Up to 704 x 480 (NTSC), 704 x 576 (PAL) Recording Resolution on 16 Channels Simultaneously at 30 Images per Second (ips) NTSC, 25 ips PAL
- Supports Pelco IP Cameras with Sarix™ HD Technology
- Supports the Recording of H.264 Streams from IP Cameras
- Dynamic Camera Settings Based on Status, Including Alarm, Event, or Schedule
- Resolution, Quality, and Recording Rate Configurable per Individual Camera
- Integral Digital Sentry® Video Monitoring Software
- Support for Standard IP Video Devices
- Detailed Reporting of System Settings and Configuration Changes
- Quick Export of Video to DVD Using the Easy Evidence Blue Button
- Easy Playback of Exported Video Without Additional Media Player
- 3-Year Limited Warranty
- Up to 8 Audio Inputs
- Simultaneous Display of Live Video and Replay of Alarm Event
- Variable Video Expiration
- Digital Zoom and On-Screen Pan/Tilt/Zoom (PTZ) Controls

DS RealVue Digital Video Management Solutions (DVMS) are the security industry's most powerful digital video recorders, capable of simultaneously recording at 30 ips NTSC (25 ips PAL) at full D1 resolution. DS RealVue products are HD-enabled, capable of recording and displaying exceptional high-quality images captured by Pelco IP cameras with Sarix™ HD technology. This tight integration between product and technology makes DS RealVue a robust HD end-to-end solution. These broadcast-quality recorders are equipped with the Integral Digital Sentry® feature set required by high-security applications such as gaming, money counting, and corrections. **DS RealVue Desktop** is a small, desktop DVMS ideal for remote sites where space requirements are limited.

DS RealVue Desktop, available in 4-, 8-, and 16-channel configurations, is a hybrid solution that supports an additional 16 IP channels connected to the same unit as the analog cameras. DS RealVue supports eight channels of audio, which can be searched, played back, and exported in sync with video.



- Email Notification of Alarm Events and System Messages
- Video Authentication
- Third-Party Integration with Over 25 Industry-Leading Devices
- Video Analytics
- Support for DS DataPoint Integration

DS RealVue recorders can seamlessly integrate with existing Digital Sentry systems, combining real-time recorders with systems that record at lower frame rates to meet unique customer demands.

DS RealVue Desktop supports the IT-focused Digital Sentry software suite that includes network health and event monitoring, video analytics, and archive utility.



TECHNICAL SPECIFICATIONS

SYSTEM

Operating System	Windows® XP Professional
User Interface	Digital Sentry or DS ControlPoint
Internal Storage	500 GB or 1 TB

VIDEO/AUDIO

Video Standards	NTSC/PAL	
Video Encoding	MPEG-4	
Video Decoding	iVEX, MPEG-4, MJPEG, wavelet	
Video Resolutions		
Analog Cameras	<u>NTSC</u>	<u>PAL</u>
D1	720 x 480	720 x 576
2CIF	704 x 240	704 x 288
CIF	352 x 240	352 x 288
IP Channels	<u>NTSC</u>	<u>PAL</u>
HD	Up to 5 megapixels (NTSC and PAL)	
4CIF	704 x 480	704 x 576
CIF	352 x 240	352 x 288
Analog Camera Inputs	4, 8, or 16	
IP Camera Capacity	16	
Recording Rate per Channel	<u>NTSC</u>	<u>PAL</u>
	30 ips	25 ips
IP Recording Rate (16 Channels)	<u>NTSC</u>	<u>PAL</u>
At 4CIF Resolution	5 ips	4.2 ips
At CIF Resolution	15 ips	12.5 ips
Audio Channels	Up to 8	

AUXILIARY INTERFACES

PTZ Interface	RS-232, RS-422, RS-485
Network	10/100/1000Base-T
Alarm Inputs	15 dry contact
Relay Output	1 Form C

MECHANICAL

Connectors

BNC	Video inputs and outputs
Terminal Blocks	Input triggers, audio inputs, RS-422/RS-485, output relays
USB	6 high-speed USB 2.0 ports
DB15	VGA port
DVI	Digital Video Interface
1394a	1394a
RJ-45	10/100/1000 Megabit Ethernet port
6-Pin Mini-DIN	PS/2 mouse and keyboard
Audio Connectors	Miniature phono plug for line in, line out, and microphone in

Optional I/O Connectors

Audio Levels	
Input	Line-level input
Output	Line-level output
Audio Connectors	Terminal block
Audio Inputs	Up to 32
Trigger Connectors	Terminal block
Trigger Inputs	Transistor-transistor logic (TTL), dry contact to GND
Outputs	Form C relay, contact closure
RS-422/RS-485	Terminal block

TECHNICAL SPECIFICATIONS

POWER

Voltage	100 to 240 VAC ±10%, 50/60 Hz
Power Consumption	300 W (280 W sustaining)

PHYSICAL

Dimension	15.00" D x 13.00" W x 5.25" H (38.10 x 33.02 x 13.34 cm)
Mounting	Desktop
Unit Weight	20 lb (9.07 kg)
Shipping Weight	32 lb (14.51 kg)

ENVIRONMENTAL

Operating Temperature	50° to 95°F (10° to 35°C)
Storage Temperature	-40 to 149°F (-40 to 65°C)
Operating Humidity	20% to 80%, noncondensing
Operating Altitude	-50 to 10,000 ft (-15 to 3,048 m)
Operating Vibration	0.25 G at 3 Hz to 200 Hz at a sweep rate of 0.5 octave/min.

REMOTE PC CLIENT REQUIREMENTS

Processor	
Minimum	Pentium® 2.4 GHz with Hyper-Threading Technology
Recommended	Intel® Core™2 Duo 2.4 GHz
Internal Memory	
Minimum	512 MB
Recommended	2 GB
Operating System	
Minimum	Windows XP Home or Windows Vista®
Recommended	Windows XP Professional SP 2
Video System	
Minimum	128 MB RAM with DirectX® 9.0c
Recommended	Dual-head, 256 MB RAM with DirectX 9.0c

CERTIFICATIONS

- CE, Class A
- FCC, Class A
- UL Listed

TECHNICAL SPECIFICATIONS

MODELS

DSD040500	4 video inputs, 120 ips, 500 GB internal storage
DSD041000	4 video inputs, 120 ips, 1 TB internal storage
DSD080500	8 video inputs, 240 ips, 500 GB internal storage
DSD081000	8 video inputs, 240 ips, 1 TB internal storage
DSD160500	16 video inputs, 480 ips, 500 GB internal storage
DSD161000	16 video inputs, 480 ips, 1 TB internal storage

SUPPLIED ACCESSORIES

USB Keyboard
USB Mouse
Power Cord
Resource CD
Recovery CD
Documentation CD

OPTIONAL ACCESSORIES

KBD300A	KBD300A Desktop keyboard with full switching and programming capabilities, plus joystick control of PTZ functions
KBDKIT	Remote keyboard wiring kit. Required when using a single keyboard in ASCII Mode. Includes two RJ-45 wall blocks and one 120 VAC to 12 VAC transformer. Maximum cable distance for RS-422/RS-485 communication over 24-gauge wire is 4,000 feet (1,219 m). Use shielded twisted pairs cable that meets basic requirements for RS-422/RS-485 applications. (One wall block and transformer is required for each keyboard.)
KBDKIT-X	Same as KBDKIT except includes 230 VAC to 12 VAC transformer
PV140	RS-422/RS-232 converter kit with 12 VDC power supply

IP CAMERA LICENSES

(Required for Each Connected IP Camera)

DS-SW-CAM	IP camera license for IP camera or analog camera connected to IP encoder
DS-SW-CAM-P	IP camera license if camera or device is purchased from Pelco
DS-SW-CAM-P4	IP camera license for IP quad camera or 4-port converter if purchased from Pelco

OPTIONAL SOFTWARE AND HARDWARE

AUSRV-SW-1L	Archive utility server software license for first DVMS unit
AUS 2-10L	Archive utility server software license for second to tenth DVMS units
AUS-1L	Archive utility server software license for eleventh or greater DVMS units
3590-00502	Active Alert™ 2-camera video analytics
3590-00504	Active Alert 4-camera video analytics
3590-40046	DS RealVue 500 GB Hard Drive Upgrade Kit

OPTIONAL INTRAVUE NETWORK HEALTH AND EVENT MONITORING APPLICATION

ITNMS-016	48 analog nodes; 16 IP nodes/host
ITNMS-032	96 analog nodes; 32 IP nodes/host
ITNMS-064	192 analog nodes; 64 IP nodes/host
ITNMS-128	384 analog nodes; 128 IP nodes/host
ITNMS-256	768 analog nodes; 256 IP nodes/host
ITNMS-512	1,536 analog nodes; 512 IP nodes/host
ITNMS-ULTD	Unlimited analog nodes; 1,024 IP nodes/host

NOTICE: Judgment as to the suitability of the products for users' purposes is solely the users' responsibility. Users should refer to the Operation manuals for cautionary statements regarding user selected options and how they might affect video quality. Users shall determine the suitability of the products for their own intended application, picture rate and picture quality. In the event users intend to use the video for evidentiary purposes in a judicial proceeding or otherwise, users should consult with their attorney regarding any particular requirements for such use.

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