

DS RealVue Desktop Hybrid Video Recorder

DIGITAL SENTRY® ENTERPRISE-CLASS, BROADCAST-QUALITY HVR

Product Features

- 4-, 8-, or 16-Input Hybrid Video Recorder (HVR)
- MPEG-4 Video Compression for Analog Camera Inputs
- 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 for Analog Cameras
- Supports Pelco IP Cameras with Sarix™ HD Technology
- Supports the Recording of MJPEG, MPEG-4, and H.264 Streams from IP Cameras and Encoders
- Dynamic Camera Settings Based on Status, Including Alarm, Event, or Schedule
- Resolution, Quality, and Recording Rate Configurable per Individual Camera
- Detailed Reporting of System Settings and Configuration Changes
- Quick Export of Video to DVD Using the Easy Evidence Blue Button
- Up to 8 Audio Inputs for Analog Connections and Support for Audio Recording from IP Cameras with Sarix Technology
- Simultaneous Display of Live Video and Replay of Alarm Event
- Variable Video Expiration Policies
- Digital Zoom and On-Screen Pan/Tilt/Zoom (PTZ) Controls
- Email Notification of Alarm Events and System Messages

DS RealVue products are HD-enabled, capable of recording and displaying exceptional high-quality images captured by Pelco IP cameras with Sarix™ HD technology. The MPEG-4 compression used for analog cameras provides excellent image quality, smaller storage requirements, and reduced network bandwidth. A single DS ControlPoint user can seamlessly manage any number of DS RealVue recorders, other Digital Sentry® recording platforms, and DX Series DVRs, providing customers the flexibility to pick and choose from a broad range of price and performance options to meet their unique requirements. **DS RealVue Desktop** is a small, desktop digital video management system (DVMS) ideal for remote sites where space requirements are limited.



- Video Authentication
- Video Analytics
- Support for DS DataPoint Integration

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 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.



by Schneider Electric

International Standards
Organization Registered Firm,
ISO 9001 Quality System

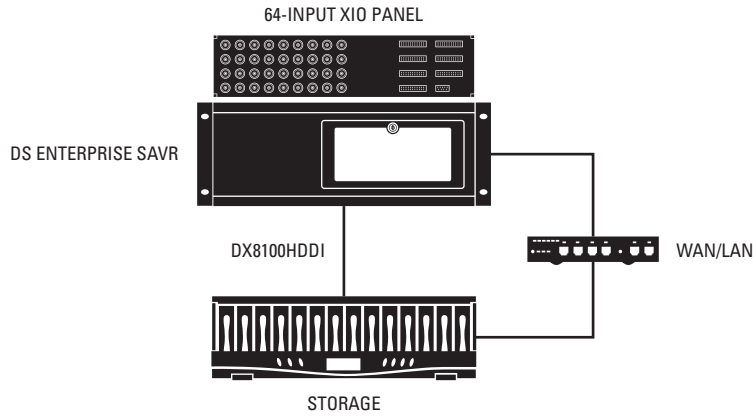


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TECHNICAL SPECIFICATIONS

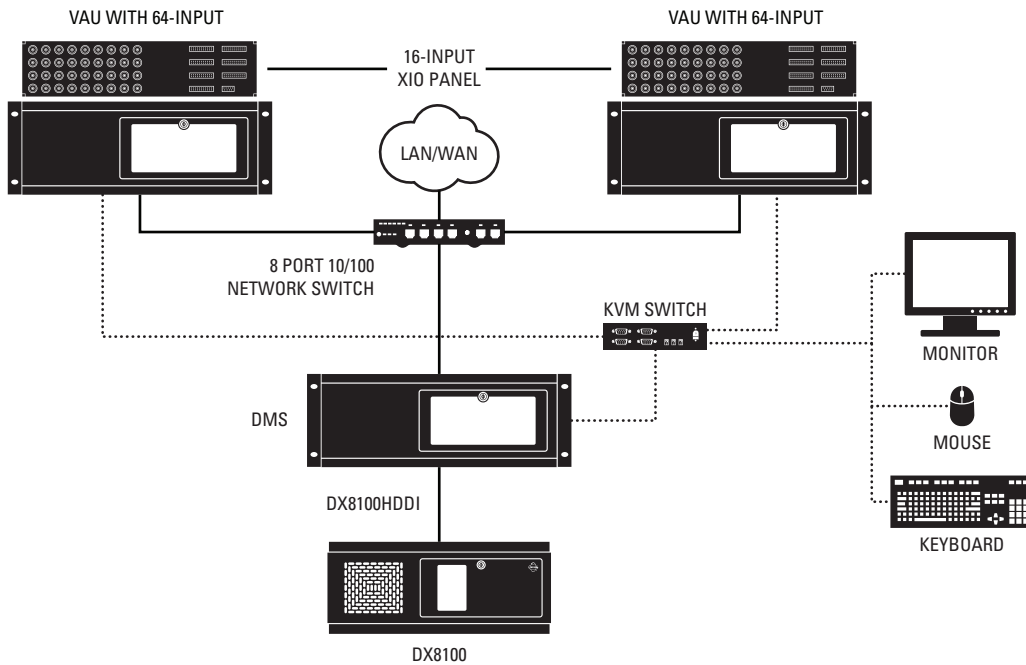
TYPICAL SYSTEMS

The diagrams below illustrate conceptually how a DS RealVue system can be connected. These illustrations cover only a small percentage of the possible combinations of DS components.



TYPICAL DS ENTERPRISE SAVR OR DS XPRESS SYSTEM

The server is the centerpiece of a DS system. Separate VAUs can connect to the server through a switch. The server stores large amounts of video on the optional VSAN storage unit. An optional RS-232 trigger input from an access control system and an XIO panel can also be connected to the server. Refer to the figure below for an example of a distributed DS Enterprise system.



TYPICAL DS ENTERPRISE DISTRIBUTED SYSTEM

IMPORTANT NOTE. PLEASE READ. The network implementations are shown as general representations only and are not intended to show detailed network topologies. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the systems as illustrated. Please contact your local Pelco Representative to discuss your specific requirements.

TECHNICAL SPECIFICATIONS

SYSTEM

Operating System	Windows® XP Professional
User Interface	DS ControlPoint
Internal Storage	500 GB, 1 TB, 2 TB, or 4 TB

VIDEO/AUDIO

Video Standards	NTSC/PAL	
Video Encoding	MPEG-4	
Video Decoding	iVEX, MPEG-4, MJPEG, wavelet, H.264	
Video Resolutions	Up to 10 Megapixels	
Analog Cameras	NTSC	PAL
D1	720 x 480	720 x 576
2CIF	704 x 240	704 x 288
CIF	352 x 240	352 x 288
IP Camera Resolution	Up to 10 Megapixels	
Analog Camera Inputs	4, 8, or 16	
IP Camera Capacity	16	
Recording Rate Per Channel	NTSC, 30 ips; PAL, 25 ips	
IP Recording Rate	Up to the maximum supported by the IP camera	
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
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

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

CPU Speed	Intel Core™2 Quad Q9400, 2.66 GHz (4 cores)
VGA Card	NVIDIA® GeForce™ 9600 GT (512 MB, minimum)
Memory	4 GB RAM

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, 1000 GB internal storage
DSD080500	8 video inputs, 240 ips, 500 GB internal storage
DSD081000	8 video inputs, 240 ips, 1000 GB internal storage
DSD082000	8 video inputs, 240 ips, 2000 GB internal storage
DSD084000	8 video inputs, 240 ips, 4000 GB internal storage
DSD160500	16 video inputs, 480 ips, 500 GB internal storage
DSD161000	16 video inputs, 480 ips, 1000 GB internal storage
DSD162000	16 video inputs, 480 ips, 2000 GB internal storage
DSD164000	16 video inputs, 480 ips, 4000 GB internal storage

SUPPLIED ACCESSORIES

USB Keyboard
USB Mouse
Power Cord
Resource Disc
Recovery Disc

OPTIONAL ACCESSORIES

KBD300A	KBD300A desktop keyboard with full switching and configuration capabilities, plus joystick control of PTZ functions; requires a KDB300USBKIT or a KBD300USBKIT-X
KBD300USBKIT	Remote keyboard wiring kit (120 VAC) for KBD300A
KBD300USBKIT-X	Remote keyboard wiring kit (230 VAC) for KBD300A

IP CAMERA LICENSES

DS-SW-CAM	IP camera license for an IP camera or each analog camera connected to an IP encoder
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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
3590-01067	2-channel DS ActiveAlert license
3590-01068	4-channel DS ActiveAlert license
3590-40046	DS RealVue 500 GB Hard Drive Upgrade Kit

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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