

DS RealVue XPress Real-Time Hybrid Video Recorder

DIGITAL SENTRY® BROADCAST-QUALITY DVMS

Product Features

- 8-, 16-, or 32-Input Hybrid Video Recorder (HVR)
- MPEG-4 Video Compression for Analog Camera Inputs
- Up to 720 x 480 (NTSC), 720 x 576 (PAL) Recording Resolution of 32 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, and Schedule for Analog Cameras
- 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 16 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 HVRs provide real-time recording and monitoring support of analog cameras while providing for a seamless migration to IP camera technologies. **DS RealVue XPress** can simultaneously record video from 32 cameras 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 or from numerous third-party IP cameras and encoders already supported by the Digital Sentry® platform. 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 with the flexibility to pick and choose from a broad range of price and performance options to meet their unique requirements.



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

DS RealVue XPress is available in 8-, 16-, and 32-channel configurations. This hybrid solution supports up to 16 additional IP channels connected to the same unit as the analog cameras. **DS RealVue Xpress** is shipped with 16 audio inputs. When recording from IP Cameras with Sarix technology, audio inputs on the cameras can be used to increase the number of audio channels.

DS RealVue Xpress supports SNMP health monitoring. Additionally, optional DS NVs software elements such as video analytics and archiving can be added to expand the capabilities of the system.



by Schneider Electric

International Standards
Organization Registered Firm,
ISO 9001 Quality System

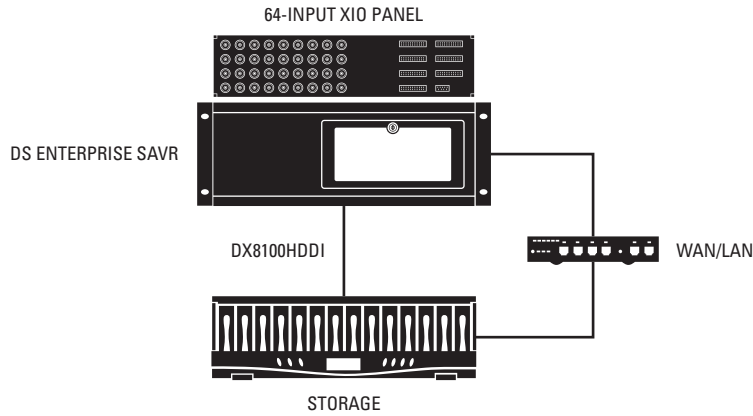


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TECHNICAL SPECIFICATIONS

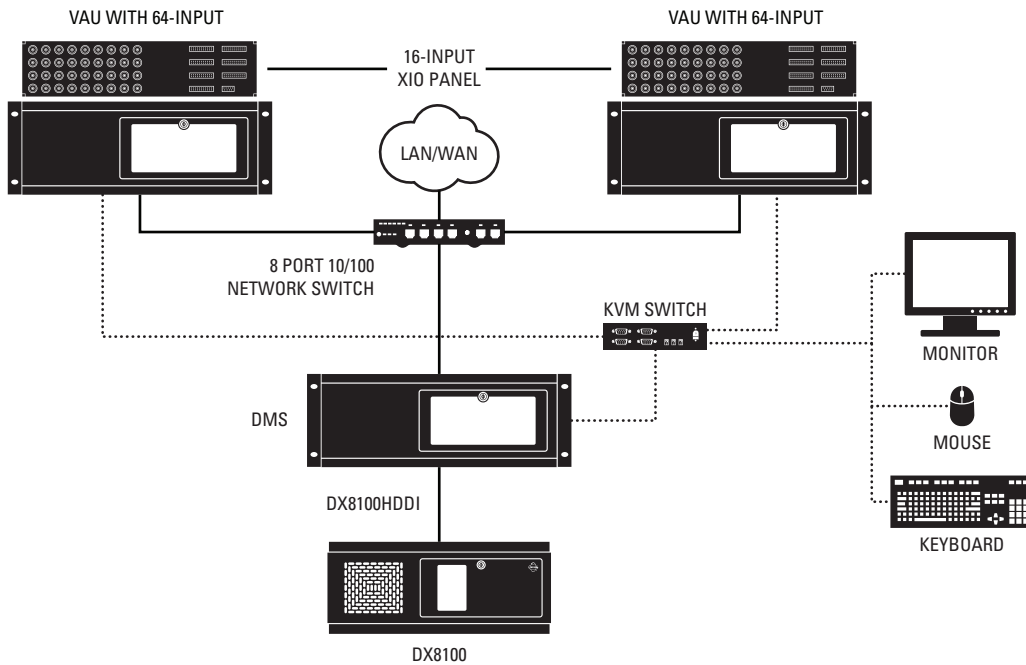
SYSTEM CONFIGURATIONS

The diagrams below illustrate how a DS RealVue system can be configured. 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.



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		
(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
Analog Camera Inputs	8, 16, or 32	
IP Camera Resolution	Up to 10 Megapixels	
IP Camera Capacity	16	
Recording Rate per Channel	30 ips (NTSC), 25 ips (PAL)	
Audio Channels	Up to 16	
Codec	MPEG1 Layer 2	
Bits Per Second	32 to 192 Kbps	
Sampling Frequency	32 kHz	

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
Dual-DB15, RCA	Video inputs (unused)
USB	4 high-speed USB 2.0 ports; connect mouse and keyboard
DB15	VGA port
RJ-45	Dual 10/100/1000 Megabit Ethernet ports
6-Pin Mini-DIN	PS/2 mouse and keyboard
Audio Connectors	Miniature phono plug for line in (unused), line out, and microphone in (unused)
DB25	Printer

Optional I/O Connectors

Audio Levels	
Input	Line-level input
Output	Line-level output
Audio Connectors	Terminal block
Audio Inputs	Up to 16
Trigger Connectors	Terminal block
Trigger Inputs	TTL, dry contact to GND
Outputs	Form C relay, contact closure
RS-422/RS-485	Terminal block

POWER

Input Voltage	100 to 240 VAC ±10%, 50/60 Hz
Power Consumption	340 W maximum

PHYSICAL

Dimension	20" D x 19" W x 7" H (4RU) (50.80 x 48.26 x 17.78 cm)
Unit Weight	40 lb (18.14 kg)
Shipping Weight	77 lb (34.93 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 Core2 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

DSR080500	8 video inputs, 240 ips, 500 GB internal storage
DSR081000	8 video inputs, 240 ips, 1000 GB internal storage
DSR082000	8 video inputs, 240 ips, 2000 GB internal storage
DSR084000	8 video inputs, 240 ips, 4000 GB internal storage
DSR160500	16 video inputs, 480 ips, 500 GB internal storage
DSR161000	16 video inputs, 480 ips, 1000 GB internal storage
DSR162000	16 video inputs, 480 ips, 2000 GB internal storage
DSR163000	16 video inputs, 480 ips, 3000 GB internal storage
DSR164000	16 video inputs, 480 ips, 4000 GB internal storage
DSR320500	32 video inputs, 960 ips, 500 GB internal storage
DSR321000	32 video inputs, 960 ips, 1000 GB internal storage
DSR322000	32 video inputs, 960 ips, 2000 GB internal storage
DSR324000	32 video inputs, 960 ips, 4000 GB internal storage

Note: For a DS RealVue XPress system configured as a video acquisition unit (VAU) for use with a Data Management Server (DMS), add "-V" to the model number.

SUPPLIED ACCESSORIES

USB Keyboard
USB Mouse
Power Cord
Keys
Resource Disc
Recovery Disc

OPTIONAL ACCESSORIES

KBD300A	KBD300A desktop keyboard with full switching and configuration capabilities and 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

DS REALVUE XPRESS UPGRADES

3590-40037	Upgrade from 8 to 16 video channels
3590-40038	Upgrade from 16 to 32 video channels
3590-40039	Upgrade from 8 to 32 video channels

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 digital video management system (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

OPTIONAL EXTERNAL STORAGE

(Available Only on 8-Input and 16-Input Systems)

Part Number	Number of 2 TB Drives	Storage in GB	
		Internal	Video
DX8100HDDI-6TB	3	6000	4000
DX8100HDDI-12TB	6	12,000	10,000
DX8100HDDI-18TB	9	18,000	16,000
DX8100HDDI-24TB	12	24,000	22,000

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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