**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
- 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.
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.

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.

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: Line-level input
Input: 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

| DSIR080500 | 8 video inputs, 240 ips, 500 GB internal storage |
| DSIR081000 | 8 video inputs, 240 ips, 1000 GB internal storage |
| DSIR082000 | 8 video inputs, 240 ips, 2000 GB internal storage |
| DSIR084000 | 8 video inputs, 240 ips, 4000 GB internal storage |
| DSIR160500 | 16 video inputs, 480 ips, 500 GB internal storage |
| DSIR161000 | 16 video inputs, 480 ips, 1000 GB internal storage |
| DSIR163000 | 16 video inputs, 480 ips, 2000 GB internal storage |
| DSIR164000 | 16 video inputs, 480 ips, 4000 GB internal storage |
| DSIR230500 | 32 video inputs, 960 ips, 500 GB internal storage |
| DSIR231000 | 32 video inputs, 960 ips, 1000 GB internal storage |
| DSIR232000 | 32 video inputs, 960 ips, 2000 GB internal storage |
| DSIR234000 | 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 KBD300USBKIT 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

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)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Number of 2 TB Drives</th>
<th>Storage in GB</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Internal</td>
</tr>
<tr>
<td>DX8100HDDI-6TB</td>
<td>3</td>
<td>6000</td>
</tr>
<tr>
<td>DX8100HDDI-12TB</td>
<td>6</td>
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<td>DX8100HDDI-18TB</td>
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<tr>
<td>DX8100HDDI-24TB</td>
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</tbody>
</table>

PART NUMBER INFORMATION

- 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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