



# ArtiSAN DR-4100

## Video Gateway Series HD Video Workflows

### Use Cases

HD-SDI Virtual VTR

Quality control video, audio, and closed caption of media files

Dub from videotape to digital archive

Ingest video direct to NLE or multi-platform content delivery system

Control room playback server for open file formats

Still store

### Machine Control

VDCP / Louth slave  
Sony BVW RS-422, slave and master  
Odetics 422, slave  
Web browser control  
JAVA control application

### State of the Art System

Dual Intel Westmere Xeon processors  
12GB RAM  
SSD boot drive with Flash Protect™  
Two HD-SDI video cards  
Dual RS-422 controller  
Lights-Out-Management  
Four Gigabit Ethernet ports  
Dual USB ports  
Dual redundant 800W power supplies  
Hot swappable fans  
2RU enclosure  
19-inch rack mount kit

### Storage Options

Up to 20 TB 6Gb SAS, RAID 5 protected storage or SAN attached option

### External Storage Connection Options

Dual 6Gb SAS  
Dual 8Gb Fibre Channel  
Dual 10Gb Ethernet

SAN Solutions pureSAS™ certified

### File System Options

Quantum StorNext client

ArtiSAN Class : Digital Disk Recorder

## Broadcast Series Dual-Channel Digital Disk Recorder

The ultimate connection  
between your video and file-  
based operations

### Key Features



- Video server for post production, quality control, and broadcast environments
- Ingest and playback direct to and from Avid Media Composer and Apple Final Cut Pro non-linear editing systems
- High quality content delivery
- Simultaneous video capture and play-out
- Video proxy generation on ingest
- Two independent video channels
- Closed Caption decoding and play-out option
- VTR machine control via RS-422 9-pin or remote user interface application
- Variable rate play, loop play, clip and playlists
- Supports uncompressed file sequences and a multitude of codecs and file formats
- Standalone or SAN attached: Quantum StorNext file system client option
- Installation, professional services, on-site support, and call-home options are available
- **Supported file types for Import and Export All standard formats, including (partial list):**  
AVI, MOV, JPEG-2000 MXF (Grass Valley Infinity), Grass Valley iCR MXF
- **Digital Video Inputs**  
HD-SDI 1280 x 720p /23.98, 24, 25, 29.97, 30, 50, 59.95, 60  
HD-SDI 1920 x 1080i /23.98, 24, 25, 29.97, 30, 50, 59.95, 60  
HD-SDI 1920 x 1080p /23.98, 24, 25, 29.97, 30, 50, 59.95, 60  
HDMI v1.3  
SDI 525i / 29.97 (NTSC)  
SDI 625i/ 25 (PAL)  
3G SD
- **Analog Video Inputs**  
Composite/S-Video/Component
- **Audio**  
8 channels AES/EBU per video channel, 16 / 20 / 24 bit at 48KHz
- **File Formats Supported for Ingest and Playback (partial list)**  
AVID MXF : DV25, DV50, DVHD, DNxHD, Uncompressed  
Sony MXF : MPEG IMX  
Panasonic P2 MXF : DV25, DV50, DVHD, AVCi100  
Omneon MXF-OP1a : DV25, DV50, DVHD, AVCi100, Uncompressed  
MOV: DVSD, DV25, DV50, DVHD, AVCi100, DNxHD  
AVI : DVSD, DV25, DV50, DVHD
- **Additional File Formats Supported for Playback (Partial List)**  
MOV: ProRes, ProRes HQ, H.264, AVCi, MPEG-2, XDCam  
OMF: DV25, JPEG, Meridien, AVBV, CamCutter  
Sony MXF: MPEG-IMX, XDCamHD, XDCamEX  
GXF SMPTE 360 : MPEG-2, DV25, DV50, DVHD  
EditCAM: DV25, DV50, DVHD, DNxHD  
Snell&Wilcox MXF: MPEG-2, IMX  
Harmonic MXF : MPEG-2  
MPEG-1 : 4:2:0 up to 15 Mbit/sec  
MPEG-2 : 4:2:0 / 4:2:2 SD/HD up to 80 Mbit/sec  
MPEG-4 : 4:2:0 up to 50 Mbit/sec  
VC-1 WMV or RAW wrapper  
WMV MP1 / MP2 / MP3, MPEG Audio

# ArtiSAN DR-4100

## Broadcast Quality Dual-Channel Digital Disk Recorder

### Base Configurations

Features	SAN Attached Graphical User Interface Control	Standalone Graphical User Interface Control	SAN Attached RS 422 and GUI Machine Control	Standalone RS 422 and GUI Machine Control
ArtiSAN Model	DR-4110	DR-4120	DR-4150	DR-4170
ArtiSAN Class	Digital Disk Recorder	Digital Disk Recorder	Digital Disk Recorder	Digital Disk Recorder
Number of HD-SDI Channels	Two, independent, in or out	Two, independent, in or out	Two, independent, in or out	Two, independent, in or out
Boot Drive	80 GB SSD with Flash Protect™	80 GB SSD with Flash Protect™	80 GB SSD with Flash Protect™	80 GB SSD with Flash Protect™
Internal Storage Type	6Gb SAS 1TB 10K RPM, 2.5-inch RAID 6, Hot Spare	6Gb SAS 1TB 10K RPM, 2.5-inch RAID 6, Hot Spare	6Gb SAS 1TB 10K RPM, 2.5-inch RAID 6, Hot Spare	6Gb SAS 1TB 10K RPM, 2.5-inch RAID 6, Hot Spare
Usable Internal Storage Capacity	None, 5TB, 10TB, 20TB Options	5TB, 10TB, 20TB Options	None, 5TB, 10TB, 20TB Options	5TB, 10TB, 20TB Options
pureSAS Certified	Yes	Yes	Yes	Yes
External Storage Connect Option	Dual 6Gb SAS, 8Gb Fibre Channel	Dual 6Gb SAS, 8Gb Fibre Channel	Dual 6Gb SAS, 8Gb Fibre Channel	Dual 6Gb SAS, 8Gb Fibre Channel
ArtiSAN Arrays Certified	5412 / 5424 9412 / 9424	5412 / 5424 9412 / 9424	5412 / 5424 9412 / 9424	5412 / 5424 9412 / 9424
External Storage Included	Optional	Optional	Optional	Optional
Machine Control Methods	Web Browser and JAVA Application	Web Browser and JAVA Application	VDCP, Sony 9-pin, Odetics, Web Browser, JAVA Application	VDCP, Sony 9-pin, Odetics, Web Browser, JAVA Application
Machine Control Ext. Deck	Sony BVW 422 9-pin	Sony BVW 422 9-pin	Sony BVW 422 9-pin	Sony BVW 422 9-pin
Video and Audio I/O Breakout Panel	Two 1RU Panels Included	Two 1RU Panels Included	Two 1RU Panels Included	Two 1RU Panels Included
Support Included	3YR Advance Part Replacement	3YR Advance Part Replacement	3YR Advance Part Replacement	3YR Advance Part Replacement

#### SERVICES AVAILABLE

- Technical Support
- Installation and Setup
- 7/24 Call Center
- Maintenance
- Application Support
- Hardware Support
- Guaranteed Warranty



**san solutions**

1575 Delucchi Lane  
Suite 115  
Reno, Nevada USA 89502  
Phone 1-866-661-7144  
Fax 1-775-201-0374  
[www.sansolutions.com](http://www.sansolutions.com)  
[sales@sansolutions.com](mailto:sales@sansolutions.com)

TURNKEY SOLUTION

TECHNICAL SUPPORT

ZERO DOWNTIME

For more information on any of our products or services please visit us on the Web at:  
[www.sansolutions.com](http://www.sansolutions.com)

**artisan**