

Data Sheet

VENICE – the multi-channel video server

VENICE

With VENICE, DVS unveils the perfect solution for your broadcast workflow. Based on sophisticated DVS technology, VENICE provides fast and comfortable processing of various compressed formats. The DVS system is not only a server for ingest and play-out of content but also provides secure and fast accessible RAID storage. Use VENICE to easily meet the requirements of advanced broadcasting.

Access any content

Easily capture live content directly from cameras. Ingest material from tape recorders, P2 cards or professional discs. VENICE supports compressed formats typically used in broadcast workflows. Your editing systems can directly access the film data for further processing. Content stored on VENICE can be played out via two or four independent pairs of video channels.

Realize broadcast projects

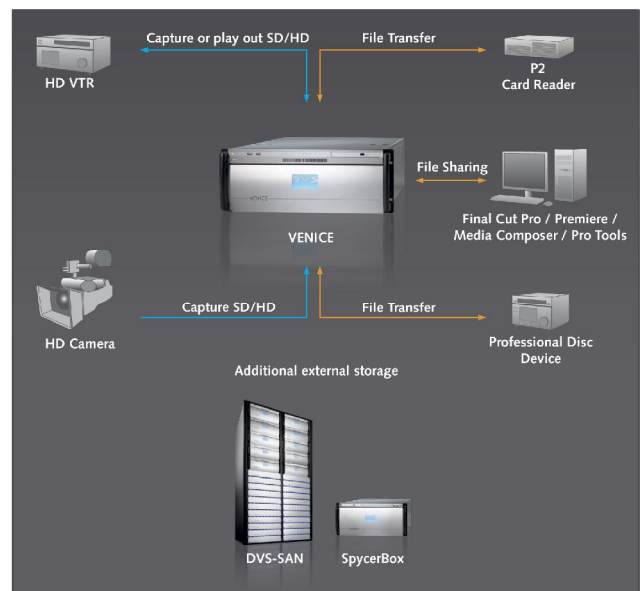
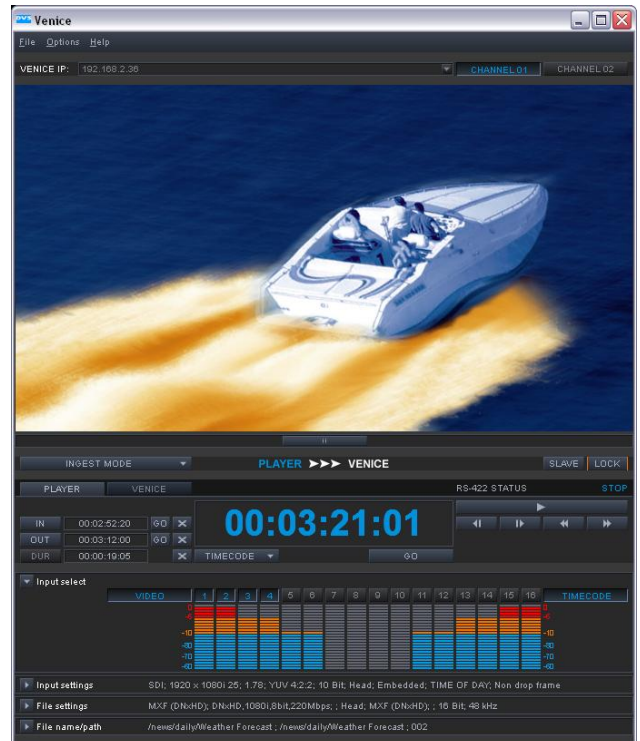
Compressed video formats play a key role in broadcast workflows. Capture content in your desired format directly and save valuable time for conversion. VENICE supports common broadcast formats such as Avid DNxHD®, Panasonic DVCPRO® and AVC-Intra or Sony XDCAM®, providing you with perfect images for your projects.

Key Features

- Video server for broadcast environments
- Multi-channel system (2 or 4 channels)
- Remote user interface for Windows®, Mac OS® and Linux®
- Run-down lists and intelligent presets for smooth operation*
- Server and client mode over RS-422
- Process SD and HD data in parallel
- Real-time capture and play-out of Avid DNxHD®, Panasonic DVCPRO® or Sony XDCAM® material
- Support of Panasonic AVC-Intra 100/50
- MXF OP-Atom and OP-1a files
- Combine video and IT workflows in your broadcast environment
- Full Spycer® license for VENICE video server
- Avid project sharing via Ethernet
- Connect to DVS-SAN via Fibre Channel
- Interfaces: 1 or 10 Gigabit Ethernet, Fibre Channel

Benefits

- Frees your NLE systems from ingest or play-out tasks
- Time-saving workflows in the post production by using NLE-friendly file formats
- Open storage for Media Composer and Final Cut Pro® clients for individual workflows
- Data management and optimization with Spycer®
- Easy to use network remote user interface
- Easy integration in various networks
- Expendable storage via Fibre Channel



Please note that some features may be optional.

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Features

- Easy to use remote user interface
- Fast VENICE and video channel selection
- Preview with timecode directly in remote user interface
- Direct play-out of compressed formats originating from Sony or Panasonic cameras
- Direct capturing into compressed formats over SDI/HD-SDI
- Support of uncompressed file sequences like DPX, BMP etc.
- Controllable via RS-422 in server and client mode
- VTR control over network using VENICE's remote interface
- Creation of playlists for automated playback*
- Global presets for defining daily used settings*
- Sophisticated browsing of all network clients
- Audio peakmeter

Codecs

- Avid DNxHD® 36 - 220 Mbps
- Panasonic DVCPRO® 25/50 Mbps (P2 and DV-DIF)
- Panasonic DVCPRO® HD 100 Mbps (P2 and DV-DIF)
- Panasonic AVC-Intra 50/100* Mbps (P2)
- Sony XDCAM® DV 25 Mbps
- Sony XDCAM® IMX 30/40/50 Mbps
- Sony XDCAM® HD 422 50 Mbps*
- Sony XDCAM® HD Long-GOP 18/25/35 Mbps*
- H.264* and ProRes*

File formats (depending on the codec)

Compressed formats

- MXF OP 1a
- MXF OP Atom
- DV-DIF

Uncompressed formats

- DPX 8/10 bit RGB 4:4:4
- DPX 8/10 bit YUV 4:2:2 or RGBA 4:4:4:4
- WAV, AIFF
- RF64: Extensible wave format with BWF extension (>4GB)

Video formats

SDTV SDI

- 525i /29.97 (NTSC)
- 625i /25 (PAL)

HDTV SDI

- 1280 x 720p /23.98, 24, 25, 29.97, 30, 50, 59.95, 60
- 1920 x 1080i /23.98, 24, 25, 29.97, 30, 50, 59.95, 60
- 1920 x 1080p /23.98, 24, 25, 29.97, 30, 50*, 59.95*, 60*

2K SDI (one channel only)

- 2048 x 1080p /23.98, 24, 25

2K HSDL (one channel only)

- 2048 x 1556psF /14.99, 15, 19.98, 20

* coming soon

Video I/O

- Single-link SD-/HD-SDI input and output
- Dual-link SD-/HD-SDI input and output (one channel)
- HD/SD genlock input, 1 x BNC
- Dual-link DVI output
- Analog RGB/YUV output (on DVI connector)
- H- and V-sync output on DVI connector

Audio interfaces per video channel

- 8 channels digital audio AES/EBU
- 16 channels embedded audio at SDI connector

Control Interfaces per video channel

- RS-422 remote, 1 x DSub 9 pin
- LTC input and output, 1 x XLRf and 1 x XLRm via breakout cable
- SOAP (Simple Object Access Protocol)* for 3rd party application

System

- 2 x Intel® CPUs
- 12 GB RAM
- Graphics adapter with DVI
- DVD reader/writer
- 8 x USB 2.0 (two at front, six at rear)
- Redundant power supply (1000 W + 500 W)
- Power Supply AC 100-240 V 50/60 Hz
- 4U 19" rack mount with rack mount rails
- Dimensions: 480mm (W) x 176mm (H) x 655mm (D)

Storage

- SAS drives (RAID-1) for operating system and metadata
- Up to 6.3 TB SAS drives (RAID-6) for content

Interfaces

- 2 x 10/100/1000 Base-T Ethernet
- 10 Gb Ethernet
- 8 Gb Fibre Channel

Software

- Linux® (64 bit) operating system
- VENICE remote software for Windows®, Mac OS® and Linux®
- Spycer® the complete content control for VENICE video server



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