

VELA

HD/SD H.264/MPEG2 Real Time Encoding Solution

ArgoNavis HD Recorder**SD / HD****H.264
MPEG-2**

Vela's ArgoNavis HD encoding system is a realtime encoding solution designed for a broad range of professional applications. The ArgoNavis HD Recorder solution supports High Definition MPEG4 H.264 and MPEG-2 encoding at 1920x1080i and 1280x720P resolutions at both NTSC (29.97) and PAL (25) frame rates, and 1920x1080P encoding at Cinema/Blu Ray (23.976/24) frame rates. Additionally, the ArgoNavis HD Recorder supports Standard Definition encoding profiles in both NTSC and PAL, making it one of the most flexible encoding solutions on the market.

Based on Vela's Emmy winning hardware encoding and video processing technology, the ArgoNavis HD provides a cost effective, standards based, realtime, encoding/recording solution to IT Managers, Medical Professionals, Educators, and anyone requiring high quality video capture and distribution.

The ArgoNavis HD Recorder includes playback capabilities with professional grade decoding codecs and physical outputs. The ArgoNavis HD Recorder provides optional input/output configurations, including Analog (Composite, Component, Audio) and HDMI only, or HD/SD SDI only, or fully configured Analog, HD/SD SDI, and HDMI options providing end users with the flexibility they require.

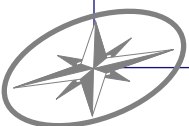
The ArgoNavis HD Recorder includes the latest Vela CinemaCapture software, an intuitive, easy to use interface designed for use with touchscreens, foot switches, or traditional input sources such as a mouse and keyboard. The ArgoNavis also includes a User Interface that allows VTR/Device control through BVW and frame accurate encoding.

APPLICATIONS**ENTERPRISE VIDEO****MEDICAL DEVICES****VIDEO STORAGE & RETRIEVAL****ARCHIVING****EDUCATION AND TRAINING****AT A GLANCE****HD/SD H.264****HD/SD MPEG 2****SD H.264 (AVC)****480I/720P/1080I/1080P****OPTIONAL INPUT CONFIGURATIONS****STATIC IMAGE CAPTURE****ENCODE TO FILE STORAGE****INTUITIVE EASY TO USE GRAPHICAL USER INTERFACE****COMPACT SIZE**

ArgoNavis CinemaCapture User Interface



ArgoNavis HD MPEG Recorder/Encoder



AUDIO & VIDEO FEATURES

- Realtime encoding of HD or SD H.264
- Realtime encoding of HD or SD MPEG2
- PAL and NTSC television formats
- Cinema/Blu Ray frame rates
- Optional Input/Output Configurations
- Composite and Component Analog Video I/O (Optional)
- HD/SD SDI with Embedded Audio (Optional)
- MP3 Audio
- MPEG1 Layer 2 Audio
- AAC Audio
- Easy to use and intuitive end-user GUI includes support for a touchscreen or footswitch (Optional)
- File Storage output

ENCODE PARAMETERS

MPEG Standard

MPEG-2 HD: MP@HL up to 40 Mbps

MPEG-2 SD: MP@ML up to 15 Mbps

H.264 SD: HP@L3.1 up to 14 Mbps

Stream Format

MPEG2 Program Stream

H.264 AVC- MP4 File format

MPEG2 Transport Stream

ArgoNavis HD Recorder

Professional Content Encoder

- Static Image Capture
- Built in Audio/Video Decoder/Player
- DICOM (Optional)
- 1920 x 1080P @ 23.976/24
- 1920 x 1080I @ 25/29.97/30
- 1280 x 720P @ 50/59.94/60
- 720x480i @ 29.97
- 720/576i @ 25



SPECIFICATIONS

System Specifications

- Chassis Dimensions (WxHxD) 8.74 x 6.9 x 10.86 in. (222 x 176 x 276 mm)
- Gross Weight: 8 lbs. (3.6 kg.)
- 3.3 GHz Intel Core i5 2500 processor
- 4 GB RAM
- RAID 0 / 1 / 5 / 10 supported on Motherboard
- Power Supply: 100 - 240 VAC auto-range rated at 300W

Environment

- Operating Temperature: +10° to +35° C (+50° to +95° F)
- Operating Relative Humidity: 8% to 90% (non condensing)

Video Signal Inputs

- Analog Composite/Component
- HDMI
- HD/SD SDI

Audio Signal Inputs

- SDI Embedded
- Balanced/Unbalanced Analog
- Digital AES/EBU

MPEG Outputs

- Local or Network File Storage



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