

Avid Deko 1000 v.4.1



Avid® Deko® 1000 systems deliver powerful on-air graphics capabilities, with all the functionality found across the Avid Deko family—spell-check; video frame grab with key; user-definable macros; and more—plus sophisticated visual tools and features. Enhanced 2D DVE effects; custom scripting of text and graphic layers; rolls; crawls; and slow character reveals make Deko 1000 the affordable system of choice for broadcast environments using SD, HD, or both formats using the 1000 Hybrid configuration.

Avid Deko 1000 options

Automation Data interface to popular newsroom systems using the i.i.i communications protocol; includes timecode control and access to popular SQL databases

FastAction keyboard Built for the fastest, most reliable live production and newsroom playout

ClipDeko An internal clip database that can import, record, and play video clips with key and audio, and includes browse, preview, trim and loop controls

DekoMOS Allows journalists to add text, stills, and clips to pre-defined templates and preview the graphic from the newsroom computer system; the DekoMOS Playback Controller controls up to nine Deko channels

ThunderBrowse for Deko Provides additional offline still image management of Avid Thunder® database; create graphics from Avid Deko and save directly to database

DekoObjex Create and play back persistent, object-based elements for news crawls, tickers, promos, and time/temperature applications

2D motion pack Extend animation control to words, rows, characters, and text details for glows, blurs, and easy sound effects; includes key-framing and timeline scrub controls

Late-breaking news gets to air with Avid Deko 1000 systems. Proven tools for real-time playout enable speed, accuracy, and easy up-to-air edits to a template or directly to the on-air channel. Link Deko effects and internal clips directly to the file for fast playout of all content. And because stored animations are not tied to character count, effects play the way you expect, regardless of last minute changes.

Real-time on-air HD and SD graphics and branding

Define your visual identity and style once with sophisticated on-screen elements—including news crawls, clocks, tickers, station IDs, and other graphics—and efficiently maintain brand consistency throughout production and delivery. Multi-aspect composition allows economical, simultaneous production of SD and HD formats and aspect ratios.

Powerful character-based motions, glows, and blurs

The Deko 1000 system includes the Motion editor for applying Action scripts to text and graphic layers in 2D space. And with the 2D Motion Pack option, users can extend animation capability to apply layer, row, word, and character-based effects including easy glows and blurs that fit any character count.

Format flexibility

Capture and play back MXF files for incredibly easy graphics creation. Photoshop files can be imported directly to Deko systems as individual layers, all at once or individually, eliminating the extra steps of converting design elements into individual files. And Motions can be quickly rendered to .avi or .tga files, both fill and key, for even greater export flexibility.

Time-saving templates, macros, and file associations

Make fast design changes to news and sports “looks” with intelligent templates: advanced composition tools such as text that fits-to-fill a layer boundary or auto-branding frames that apply to manual or automated text entries. Automate repetitive tasks with user-defined macros—process one or hundreds of graphics changes at once across a large volume of content. And file associations enable fast, large-volume design changes for increased productivity and consistent style.

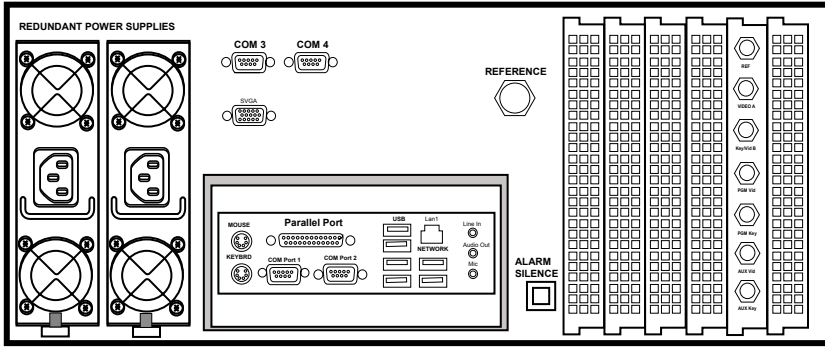
Easy upgrade to Deko 3000

Deko 1000 is highly extensible with options to meet a wide variety of production needs, including an internal video clip player with key. And as your needs change, Deko 1000 can be upgraded to Deko 3000 for 3D DVE effects and 3D model import.

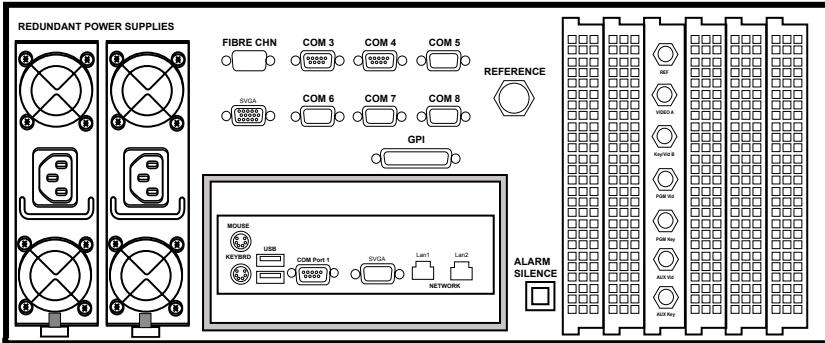


The Avid Deko user interface is designed for essential broadcast functions, including manual or automated composition and playback. Avid Deko layers can accept content from a newsroom system, sports interface, or external ODBC database for getting data to air.

System specifications



Avid Deko 1000 back panel



Avid Deko 1000HD/Hybrid back panel

Turnkey system specifications (minimum)

- Platform: SD: 2.8 GHz Intel Pentium IV
HD: Dual 3.0 GHz Intel Xeon
- Operating system: Windows XP Professional
- RAM: SD: 512 MB
HD/Hybrid: 2 GB
- Internal storage: 300 GB or larger
- Storage: DVD+R/+RW writer,
- Ethernet: 1000 BASE-T (RJ-45)
- Ports: 1 serial RS-232 (DB9),
4 USB 2.0

Physical dimensions

- 4RU rack mount chassis
- Height: 7 inches (17.78 cm)
- Width: 19 inches (48.26 cm)
- Depth: 22 inches (55.88 cm)

Power specifications

- Dual redundant hot-swappable power supplies
- 110/220 Volt 60/50 Hz (auto-sensing)
- 400 watt maximum output

Supported video standards (software configurable)

- Deko 1000 and Deko 1000/Hybrid:
 - Standard definition NTSC, PAL (both 4:3 and 16:9 supported)
- Deko 1000HD and Deko 1000/Hybrid:
 - 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94

Video I/O

- Standard definition
 - SDI video and key input per channel SMPTE 259M compliant
 - Automatic retiming of synchronous inputs
 - SDI video and key output – SMPTE 259M compliant
 - Standard 10-Bit, 4:2:2:4 sampling
 - Preserves VBI data
 - Single or dual channel configurations
- High definition
 - SDI video and key input – SMPTE 292M compliant
 - Automatic retiming of synchronous inputs
 - SDI video and key output – SMPTE 292M compliant
 - Standard 10-bit, 4:2:2:4 sampling
 - Single or dual channel configurations

Video reference

- Standard definition
 - Analog color black
- High definition
 - Analog color black with 1080i/59.94, 720p/59.94, 1080i/50 or tri-level sync

Downstream keyer

- Standard definition
 - 10-bit video and key resolution
 - 1 frame processing delay through box
- High definition
 - 10-bit video and key resolution
 - 1 frame processing delay for interlaced, 2 frame for progressive formats through box

Audio I/O

- Standard definition
 - Standard 20-bit, 48 KHz sampling
 - 8 channels of audio output embedded per SDI video output
- High definition
 - Standard 24-bit, 48 KHz sampling
 - 8 channels of audio output embedded per SDI video output
 - Dolby E audio passthrough

ClipDeko option

- Independent control of clips on each program channel
- Real-time 2D size and position of clip layer
- Looping clip playback capability

Clip capture and playback support

- Standard definition
 - MPEG-2 I-Frame 4:2:0 or 4:2:2 (playback only) sampling, variable bit rate (20-50 Mb), .mxf file format
 - DV25 standard compression format (.DV and .AVI file format) supported through import.
 - Up to two clips with key simultaneous per system
- High definition
 - MPEG-2 I-Frame, .mxf file format
 - Up to two clips with key simultaneous per system

System specifications subject to change.

Avid Total Services

Providing faster return on your investment by getting your systems and personnel up and running quickly, maximizing workflow efficiency, and meeting your production schedules. To learn more about Avid Total Services, please visit: www.avid.com/services.

To learn more—visit www.avid.com/Deko1000

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