



AVID

## DEKO 1000

Mid-range, real-time 2D graphics and effects

Avid® Deko® 1000 systems deliver powerful on-air graphics capabilities, with all the core creation capability 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 layout

**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

**Deko Select** Allows journalists to add text, stills, and clips to pre-defined templates and preview the graphic from the newsroom computer system; iNEWS® Command controls playback for up to nine Deko channels

**Thunder Browse 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 animating glows and blurs; 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 or import and play back .MOV 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 QuickTime .MOV or .tga files, both fill and key, for even greater export flexibility.

### Time-saving templates, macros, and file associations

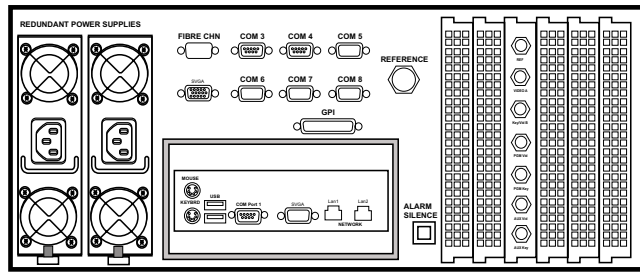
Make fast design changes to news and sports “looks” with intelligent templates: advanced composition tools such as text that fits-to-fill a layer boundary or auto-branding frames that apply to manual or automated text entries. Automate repetitive tasks with user-defined macros—process one or hundreds 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.



Avid Deko 1000 back panel

## SYSTEM SPECIFICATIONS

### Turnkey system specifications

- Platform: SD: 3.2 GHz Intel Xeon T (or faster)  
HD: 3.2 GHz Intel Xeon T (or faster)
- Operating system: Windows XP Professional
- RAM: SD/HD/Hybrid: 2GB
- 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
- SD: (1) RS-232 port on the motherboard and a  
2-port Blastronix card RS-422 (both ports  
are brought out to the back panel).
- HD/Hybrid: Blastronix 8-port serial card RS-422  
(6 ports are brought out to the  
back panel).

### 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 (25Mb), .mfx file format
  - QuickTime format supported through  
import.
  - Up to two clips with key simultaneous  
per system
- High definition
  - MPEG-2 I-Frame (100Mb), .mfx file format
  - QuickTime format supported  
through import
  - 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](http://www.avid.com/services).

To learn more—visit [www.avid.com/Deko1000](http://www.avid.com/Deko1000)

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