



# Avid Deko 550

Entry-level real-time SD graphics



The definitive entry-level on-air graphics system, Avid® Deko® 550 provides creative SD visuals in live production settings and newsrooms. Deko 550 sets the standard for low-cost CG systems with a comprehensive set of production tools for text and graphics creation. Deko 550 also supports the import of a wide range of file formats for creating logos and elements for fast and easy graphic branding of on-air text.

## Avid Deko 550 Options

**Automation** Data interface to popular newsroom systems using the Intelligent Interface communications protocol; includes timecode control and access to popular SQL databases

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

**ClipDeko** An internal clip database that can import QuickTime .MOV, 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

The Avid Deko 550 feature set includes design tools for file import, graphic creation, and macro scripting, as well as automation and database support. When it's time to air, animate graphics quickly using the standard sequencer and extensive array of page-based effects, rolls, crawls, and character reveals.

## Easy to Use in Live and Automated Environments

The proven, familiar, and user-friendly Avid Deko 550 interface ensures that broadcasters get their brand to air quickly in live or automated environments.

## Value for Any Size Broadcast Market

The affordable Deko 550 system is extensible, with options to meet a wide variety of production needs, including an internal video clip player with key. The Deko 550 system can be easily upgraded to Deko 1000 or 3000 systems for expanded motion effect capabilities, including animating individual text rows, words, and characters.

## Powerful Real-time Graphics Performance

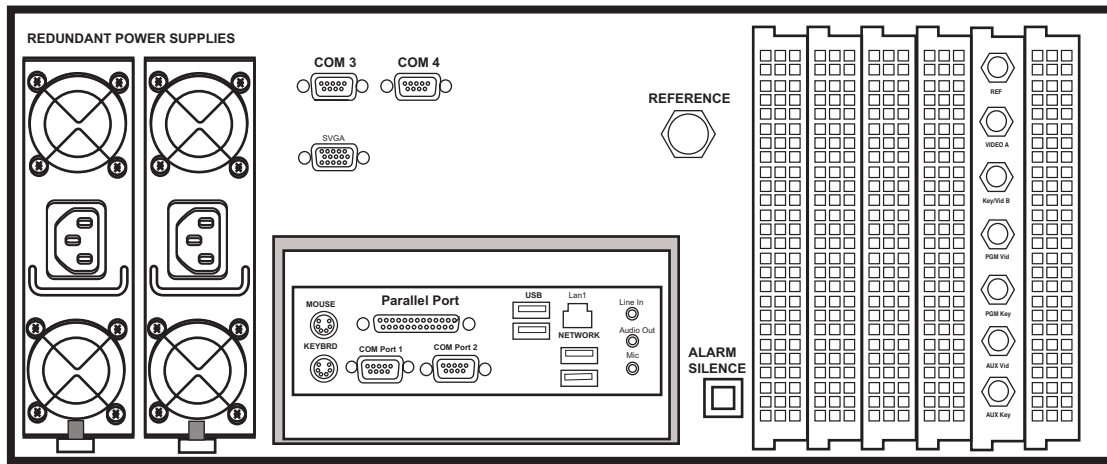
Deko 550 systems provide real-time graphics processing and output with a comprehensive set of effects, including data-driven charts and graphs, roll, crawl, slow reveal, dissolve, push, slide wipe effects, and optional internal video clip playback with key. Link Deko graphics layers directly to multi-layered Photoshop files; access individual or multiple Photoshop layers while maintaining layer names and alpha channels.

## Sophisticated Text Capabilities

Standard text manipulation tools include kern, skew, and type on a curve, with support for a wide range of languages and sentence orientations. Choose from over 500 TrueType fonts, or easily add your own font collection from CD or Web. Create custom typefaces and import logos—and assign them one-step keys for fast recall.

## Time-saving Tools

Designed for broadcast workflows, Deko 550 systems help to promote station branding with content-independent effects and layouts, including fit-to-fill, file associations, and tools that simplify working in multiple formats and aspect ratios. Intelligent templates and user-definable macros with auto-learn functions let stations customize workflows, automate repetitive tasks, and process one or hundreds of graphics at once for fast, consistent changes to large volumes of content.



Avid Deko 550 back panel

## System Specifications

### Turnkey system specifications

- Platform: 3.2 GHz Intel Xeon T (or faster)
- Operating system: Windows XP
- RAM: 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,  
COM Ports: (1) RS-232 port from  
motherboard (2) RS-422 from  
Blastronix card

### 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)
- AC line current = 6A
- 400 watt maximum output

### Supported Video Standards (software configurable)

- Standard definition NTSC, PAL (both 4:3 and 16:9 supported)

### Video I/O

- SDI video and key input – SMPTE 259M compliant
- Automatic retiming of synchronous inputs
- SDI video and key output – SMPTE 259M compliant
- Preserves VBI data in lines 10--20 (NTSC), 13-23 (PAL)
- Horizontal output timing adjustment (-300 µsec to 300 µsec, half pixel increments)
- Optional preview channel

### Video Reference

- Analog color black

### Downstream Keyer

- 10-bit video and key resolution
- 1 frame processing delay through box

### Audio I/O

- Standard 20-bit, 48 KHz sampling
- 8 channels of audio input embedded per SDI video input
- 8 channels of audio output embedded per SDI video output

### ClipDeko Option

- Clip capture and playback support
  - MPEG-2 I-Frame up to 25 Mbps, .MXF file format
  - QuickTime format supported through import
- Clip processing
  - Looping clip playback capability

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).

For more information visit [www.avid.com/deko](http://www.avid.com/deko)

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