

DVA-4000/ISA

Full Motion Digital Video Adapter for PC, XT and AT

Overview

Videologic's multimedia information systems add a new dimension to personal computing, revolutionizing the way information is presented.

DVA-4000/ISA is based on Videologic's Digital Video Architecture (DVA). It works with today's analog technologies such as videodisc, satellite feed, off-air TV, video cameras and future digital storage technologies such as CD-I and CD-ROM/XA.

DVA-4000/ISA is designed for use with industry standard architecture (ISA) computers including IBM PC, XT, AT and compatibles with VGA graphics capabilities.

More than a simple VGA overlay card, DVA-4000 is a powerful digital video adapter providing full, real-time manipulation of every aspect of moving video images including size, position, brightness, saturation, contrast and hue. In addition, DVA-4000's double scan, non-interlaced output produces a very sharp, high resolution image with absolutely no text or graphics flicker. Unlike other systems, DVA-4000 uses standard VGA computer

monitors. High quality stereo audio support can be provided by attaching headphones or personal stereo speakers.

In short, DVA-4000/ISA offers a flexible strategic platform for multimedia computing for the Nineties.



DVA-4000 helps make information more immediate, more personal and more relevant

DVA-4000/ISA

Full Motion Digital Video Adapter for IBM

Digital Video:

A Window on a New World

DVA-4000 brings the world of television to the personal computer. Because it is a *digital* system, still and moving images can be manipulated as easily as computer graphics. DVA-4000 is important because the entire computer industry is standardizing on windowing environments. DVA-4000's windowing capability is designed to be used with OS/2 Presentation Manager and MS Windows.



Presentation Manager, OS/2

Multimedia applications can now be tailored more precisely to the needs of the people using them.

DVA-4000 helps make information more immediate, more personal, and more relevant.



DVA in the dealing room - digital and analog feeds on the same screen

M.I.C. System Software

DVA-4000 is supported by VideoLogic's M.I.C. System software. This means that the large library of courseware and other applications already written for the M.I.C. standard and IBM InfoWindow will run on DVA-4000.

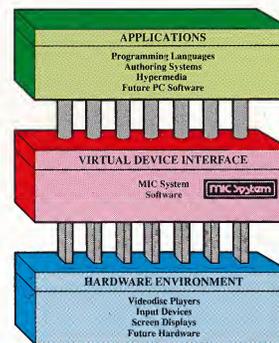


Protecting your investment in applications

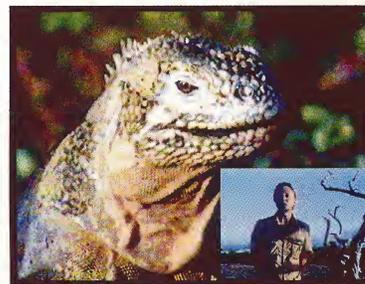
Because the M.I.C. System is hardware independent you can design powerful multimedia solutions to your organization's communication problems *and* protect your investment in those solutions.

With the M.I.C. System you can change some of your hardware – or all of it – and be confident that your existing applications will run unmodified.

Any application that can output directly to a DOS file or device can take advantage of the DVA-4000's capabilities.



VideoLogic's hardware independent approach



Picture in picture

Development Tools

In addition to the System software, VideoLogic offers a suite of powerful development tools for fast and efficient courseware and applications development.

IBM PC, XT, AT computers and compatibles

Like the M.I.C. System, these tools have been designed to work with any IBM compatible software including CBT/IV authoring systems, presentation systems, desktop applications and programming languages.

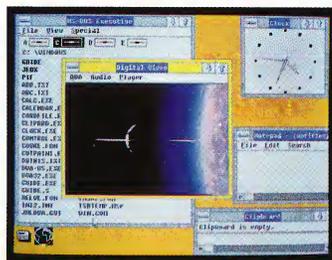


Fast and efficient application development

Digital Video:

Astonishing Image Quality

DVA technology offers a very advanced, improved definition television picture (IDTV) that is vastly superior to traditional television systems. Scan converted, non-interlaced display technology completely eliminates text and graphics flicker.



Out of this world picture quality

Digital Video:

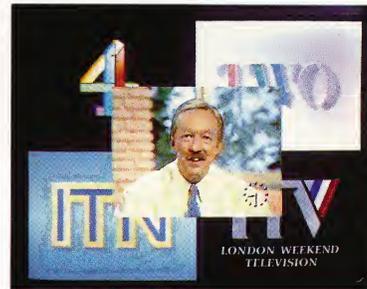
No Penalty for Video

DVA-4000 can be easily integrated into existing computer systems and connects to an IBM VGA or true compatible. Computers with a suitable VGA on the motherboard need no additional graphics adapter.

PAL and NTSC television signals are automatically standards converted and a 1:1 aspect ratio between video and graphics is always maintained.

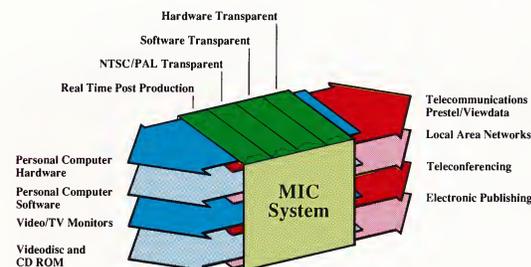
The Strategic Solution

The DVA-4000, in conjunction with VideoLogic's M.I.C. System software, offers all the



Multiple live images per frame

power, flexibility and advantages of a dedicated system, without the disadvantages of dependence upon a single hardware or software supplier. The DVA-4000 is designed for integration into existing and future information systems. Furthermore, the M.I.C. System allows for expansion to cope with new needs and developments as they emerge without making existing equipment obsolete.



Strategy with the future in mind

Advanced Technology

DVA-4000/ISA has been developed using the most advanced design and manufacturing techniques, making extensive use of proprietary VLSI and surface mount technology.



VideoLogic M2 - high speed digital video processor

Summary

- Digital Video Adapter for the IBM PC, XT, AT and compatibles
- M.I.C. System software support
- Functionally compatible with DVA-4000/MCA
- Uses standard VGA computer monitors
- Full screen VGA overlay in all modes
- No penalty for video - flicker free non-interlaced display
- Full motion digital video at 30 frames/second (NTSC) or 25 frames/second (PAL)
- Software controllable picture content, hue, saturation, contrast and brightness
- Video, audio and graphics mixing
- Software controllable color attributes – opaque, translucent and transparent available simultaneously
- Software controllable treble and bass
- 2 switchable input sources from NTSC, PAL, composite video, RGB, S-VHS
- Software selectable field or frame mode
- Identical aspect ratios between NTSC and PAL providing a standards-independent publishing platform
- Image capture onto conventional magnetic media
- Video windowing, scaling, positioning
- Picture in picture
- Multiple live video windows
- Privileged screen areas
- Multiple stills per frame e.g. quad splits
- Designed for hypermedia applications
- Over 1,000 existing off-the-shelf generic applications to choose from
- One year warranty including parts and labor
- Product supported worldwide by a network of VideoLogic dealers and distributors

Taking the next step:

- First compare the limitations of PC text and graphics with the benefits of using DVA-4000.
- Consider the advantages of a totally integrated, strategic approach to interactive multimedia.
- Then contact VideoLogic or your local authorized VideoLogic dealer. Together we can work out a plan for applying DVA-4000 to your organization's communication requirements.



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