

Applications

The Interactive Videodisc Workstation lets you create HyperCard® stacks that control a videodisc player. You can also use this workstation to access the thousands of still video images or full-motion sequences on a videodisc.

This gives you easy access to a wide range of realistic full-color images, enabling you to greatly enhance your multimedia presentations.

The Interactive Videodisc Workstation also allows you to reference the information and images on existing videodiscs.

Equipment Descriptions

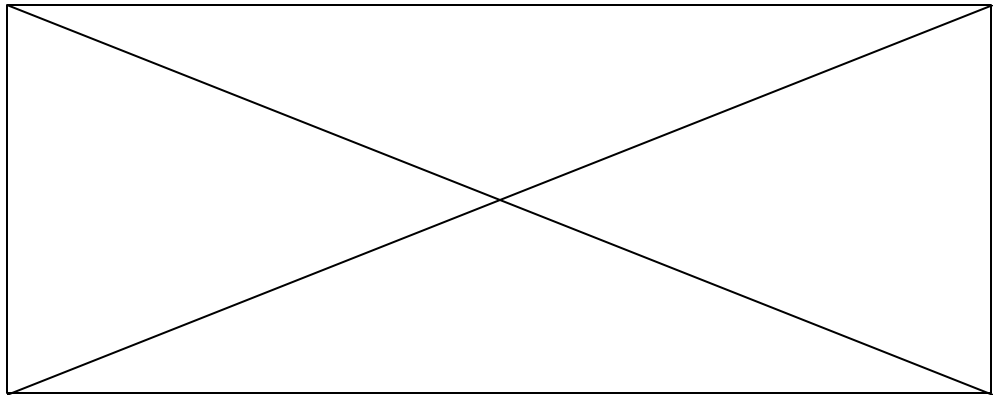
Computer
An Apple® Macintosh® Plus, Macintosh SE, or Macintosh II computer can serve as the basis for this workstation.

Videodisc player
The videodisc player must have either a serial input/output port or include a "black box" serial interface. You must also install into your stacks the videodisc software driver that is designed for your videodisc player. An RS-232 serial interface cable is needed to connect the player to the Macintosh computer.

Software
HyperCard—Use HyperCard to create scripts to control and display your presentation. *Videodisc Toolkit*—This toolkit provides the videodisc software drivers you need to install into your HyperCard stacks. These drivers are the source of the external commands that control the videodisc.

Television monitor
Choose a monitor that has stereo input and stereo speaker output. Most videodiscs use separate left and right audio channels.

Configuration



Process

1. Identify the purpose and objectives of your HyperCard stack.
2. Design and create HyperCard stacks to interface with the videodisc.
3. Install videodisc software drivers into your HyperCard stack.

4. Identify relevant videodisc still images and/or motion sequences.
5. Create buttons and write HyperTalk[®] scripts to control the videodisc for chosen images.
6. Test software control of the videodisc.

Design Considerations

- Review the objectives of your presentation.

- Carefully analyze what will communicate each objective most effectively: video images with HyperCard graphics and animation, video images alone, or HyperCard graphics alone.
- Strike a comfortable balance between video images and HyperCard graphics, animation, and text.
- To reduce distracting images, program the stack to turn off the video image when it is not being used for the presentation.

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- Determine whether still or full-motion video images will communicate your message more effectively.

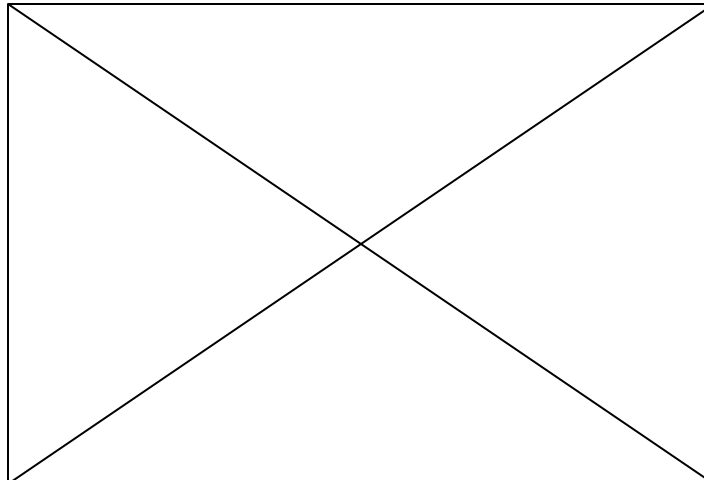
- Include full-motion video whenever possible, unless a series of still frames with sound and text will communicate your point better. If a video sequence is playing, it may distract attention away from the presenter or from important illustrations or text on the Macintosh monitor.

Workstation Components

- Macintosh Plus, Macintosh SE, or Macintosh II computer
- Videodisc player
- RS-232 serial interface cable
- Educational videodiscs

- Videodisc Toolkit
- HyperCard
- Television monitor
- RCA video patch cable
- RCA stereo patch cable

Cable Diagram





Interactive Videodisc Workstation

Products and Vendors

Computers

Apple Macintosh Plus
with hard disk
Apple Macintosh SE
with internal hard disk
Apple Macintosh II
with internal hard disk

Videodisc Players
Pioneer LD-V4200
Pioneer LD-V6000A
Sony LDP1200
Sony LDP1500
Sony LDP2000

Videodisc Cables
Lasertalk 4200 Interface
(for Pioneer LD-V4200),
Pioneer
4200 Interface Cable
(for Pioneer LD-V4200),
Voyager
The Box (for a consumer
videodisc player), Voyager

Software

HyperCard, Apple Computer, Inc.
Videodisc Toolkit, APDA^s

Educational Videodiscs
Optical Data Corp.
Videodiscovery, Inc.
The Voyager Co.

Vendors

Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, CA 95014
(408) 996-1010

Apple Programmers and
Developers Association (APDA)
20525 Mariani Avenue, MS33G
Cupertino, CA 95014
800-282-2732

Optical Data Corporation
Box 97

Florham Park, NJ 07932
800-524-2481

Pioneer Video, Inc.
915 E. 230th Street
Carson, CA 90745
(213) 518-0710

Sony Corporation of America
Sony Drive, MS3-17A
Park Ridge, NJ 07656
(201) 930-7669

Videodiscovery, Inc.
P.O. Box 85878
Seattle, WA 98145
800-54V-DISC

The Voyager Company
1351 Pacific Coast Highway
Santa Monica, CA 90401
800-446-2001
800-443-2001 (CA only)