CD-i Development Environments

Introduction

The following is a description of some of the systems commonly used for CD-i development. No specific recommendations or price information is given here, because this information is best provided by the suppliers of the development systems. Before making any decision about the systems to use, CONSULT YOUR CD-i DEVELOPMENT SYSTEM SUPPLIER FIRST.

Authoring

Hardware

- *High-end personal computer system*
  Macintosh II or Quadra with at least 3 Nubus slots
  OR
  486-based MS-DOS compatible PC running MS-Windows, SCSI interface and at least 3 empty slots
- *Professional CD-i player, including monitor*
  Philips CD-i 605
  NTSC/RGB color monitor
  Optionally: a low-end monitor to reflect end-user quality on TV in the living room
- *Capture and encoding hardware, including software*
  high end audio capture board
  high end video capture board or scanner
- *Connections*
  Ethernet cards + NFS software
  Serial cables
  SCSI cables
- *Emulator, including software*
  Philips CD-i emulator
  OR
  Script Systems emulator for PC type systems
- *LOTS of storage space*
  Minimal 2G Byte hard disk space per production
  8mm Exabyte tape drive

Software

- *Authoring*
  OptImage Media Mogul, for the CD-i 605
  OR
  OptImage Media Showcase, for the Philips CD-i 605
  OR
  OptImage HAL-90, for MS-Windows
  OR
  Script Systems ABCD-i, for MS-DOS
- *Asset management*
  Media Stockroom, runs on MS-DOS PC under MS-Windows
  OR
  Aldus Fetch
- *File transfer software to transfer files from Mac or PC to CD-i*
- *Image & audio conversion*
  Audio conversion utilities (ACUs)
  Image conversion utilities (ICUs)
  Animation and movie conversion utilities
- *Audio and image editing applications:*
  for example; for Macintosh: Adobe Photoshop, Studio 32, Macromind Director, DigiDesign SoundTools II

Custom C Programming

Hardware

- *High-end personal computer system or workstation*
  Macintosh II or Quadra with at least 3 Nubus slots
  OR
  486-based MS-DOS compatible PC running MS-Windows, SCSI interface and at least 3 empty slots
  OR
  Sun Sparc
- *Professional CD-i player, including monitor*
  Philips CD-i 605
  NTSC/RGB color monitor
  Optionally: a low-end monitor to reflect end-user quality on TV in the living room
- *Capture and encoding hardware*
  high end audio capture board
  high end video capture board or scanner
- *Emulator, including software*
  Philips CD-i emulator
  OR
  Script Systems emulator for PC type systems
- *Connections*
  Ethernet cards + NFS software
  Serial cables
  SCSI cables

Software

- *Programming*
  MPW on Macintosh, SunView on Sun
  OS-9 Cross Compiler for Sun, Mac or PC
  OS-9 source level debugger
  Optionally:
  GNU Cross compiler on Sun or Mac
- *Image & audio conversion*
  Audio conversion utilities (ACUs)
  Image conversion utilities (ICUs)
- *File transfer software to transfer files from Mac or PC to CD-i*
- *Run-time library*
  OptImage Balboa C Library
  OR
  Script Systems Designer Work Bench and CD Vista C Library
- *Audio and image editing applications*
  For example, for Macintosh: Adobe Photoshop, Studio 32, Macromind Director, DigiDesign SoundTools II
- *Disc Building*
  OptImage Master and CDEdit

Philips and the authors accept no liability for the information presented herein. For comments, additions, corrections, or if you have remaining questions, contact:

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