Mouse or menu drives image processor

Datacube Incorporated's MaxVision AT-1 is a mouse-driven, menu-based image processor that plugs into the IBM PC AT and compatibles and the Hewlett-Packard Vectra.

The entry-level image processing and development system integrates algorithms and functions within a Macintosh or Microsoft Windows type of interface. Users direct MaxVision AT-1 operations either by selecting functions with a mouse from pull-down menu lists or through keyboard commands.

A command line interpreter enables programmers to bypass the menus by entering C language-formatted or natural-language commands via the keyboard. All image processing functions and primitives are stored as C-callable functions. This feature allows programmers to create their own icon-based user interface or to develop dedicated image-processing programs.

The image processing module contains a real-time ALU processor, a multiplier unit, three on-board image frame storage buffers, and input/output/processing path lookup tables. It acquires images by pixel within an on-screen image, into a designated screen window, or into any of the three buffers.

MaxVision's 1M-byte image memory, lookup tables, and board control registers are memory-mapped through a 64K window in the AT's address space. Image resolution is $512 \times 512 \times 8$ bits.

The $20 \times 17 \times 3$-inch MaxVision AT costs $9500.

For more information contact Datacube Inc. at (617) 535-6644.

Reader Service Number 36

40M-byte subsystem stores Mac Plus data

ProAPP Inc. has announced a stand-alone, hard-disk subsystem for the Macintosh Plus with a 40M-byte formatted capacity. The ProAPP 40S operates at 30-ms average access times and connects directly to the SCSI port. Seven drives can be daisy-chained through this port, for a total storage of 280M bytes.

The $7 \times 9 \times 3$-inch wide subsystem includes menu-driven installation software. It is priced at $1995.

ProAPP is located at 10005 Muirlands, Suite O, Irvine, CA 92718; (800) 424-2425.

Reader Service Number 37

Systems convert documents to digital form

Graphics Research Corporation is offering three systems for document archival, retrieval, conversion, and maintenance. The systems are Scan-Expert, which is a large-format optical scanner and an IBM-based workstation; CAD-Expert, also IBM-based, a computer-aided design system; and Image-Expert, a graphics imaging system using digital filtering, masks, and editing to analyze satellite, medical machine vision, and other image data.

The Expert workstation consists of an IBM PC AT CPU, 16M bytes of main memory, and 72M bytes to 1.2 gigabytes of disk.

Prices for the Expert systems vary from $3000 to $12,000, depending on the software used. Complete systems cost $11,00 to $72,000.

For further information contact GRC, 2840 Peterson Place, Norcross, GA 30071; (404) 662-5272.

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