A total image processing solution should be affordable, too. The SYSTEM 575 is.

The I²S System 575 matches a high-performance, general purpose image array processor with a comprehensive library of applications software to form what is truly a "total system." Affordably priced, it's a system delivering solutions—not new problems—to the entire spectrum of image processing users.

With prices as low as $75,000, the System 575 is available as a standalone workstation integrating the powerful Model 75 Image Processor, a DEC PDP-11/23 computer under RSX-11M with disk and magnetic tape, a complete image data base management system and applications software library. Or the System 575 software and Model 75 Processor can be teamed with a variety of minicomputers—including other PDP-11s*, the VAX-11*, HP3000 Series II and III, MC68000 and SEL—at 30% less cost than any system even coming close in performance. Either way you get instant productivity—affordably!

Unique system "friendliness":
- Simple COMMAND INTERPRETER call-up and control of applications software.
- Menu-driven control of 30 interactive applications programs.
- On-line, easily accessed documentation system.
- Automated recall of interactive display functions.
- Instant review of Look-up Table, Function Memory and Register contents.
- Complete "session" history.
- Instant access to Image and Function Name directories.
- Non-fatal error handling.

Comprehensive software capabilities

The System's modular software packages are organized into Fundamental Operating Software for the Model 75 Image Processor, a complete Image Data Base Management System with Command Interpreter and the Applications Software Library. General purpose modules include:

- The BASIC MODULE which, combining the Fundamental Operating Software and the Primitives, offers 32 applications programs and the basis for building 60 others.
- The INTERMEDIATE MODULE, with 37 applications programs extending capabilities to provide general purpose image processing functions.
- The ADVANCED MODULE, with 39 applications programs incorporating complex, compute-intensive image processing techniques.
- The I/O DEVICES MODULE that supports high-resolution, system-oriented image I/O devices.
- Various ADD-ON MODULES for specific applications areas, such as EARTH RESOURCES, are also available.

The Model 75 Processor—fast, powerful, proven

Modular for customizing to stringent user needs, the Model 75 supports a wide range of image I/O devices and offers features that include:

- Up to 4 MBytes of image refresh memory using 64K RAMs.
- Parametric Memory Addressing for defining and controlling refresh memory access.
- 32 Look-up Tables in each pipeline for four levels of "local-area" point processing in each color.
- Independent X and Y hardware zoom and scroll for each refresh memory.
- Up to sixteen 512 x 512 x 1-bit planes of graphics overlay memory.

Write or phone today. And learn more about why the "total image processing solution" is also the best performing—and most affordable—system available.

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