The GRAPHICS SYSTEM for the 80's

RDS-3000 Graphics Processor and Raster Display System

If your graphics and imaging applications are demanding, the IKONAS RDS-3000 series is the system that can meet your needs. The RDS-3000 offers:

- **POWER**
  - High Speed Architecture designed for computer graphics and image processing
  - Fast 32 bit processor for graphics data generation
  - Hardware Matrix Multiplier for 3-D transformations, vector products, and filtering operations
  - Real Time Video Processing Module for image processing applications
  - Video Input Module for real time "frame grabbing"

- **FLEXIBILITY**
  - Software selectable 512² or 1024² display format
  - Variable frame and line rates: 200-2000 lines/frame
  - Pan and scroll in pixel increments, zoom in integer ratios
  - Full Window and Viewport Control

- **PROGRAMMABILITY**
  - Graphics Processor is completely user micro-programmable and executes the highly parallel code needed for real time and near real time applications
  - IDL, the IKONAS DISPLAY LANGUAGE, is a high level command language which makes the IKONAS package of standard graphics routines easy to use

- **EXPANDABILITY**
  - RDS-3000 components are modular allowing easy expansion of systems
  - Small frame buffer systems can be upgraded at a later time by adding processing modules and image memories up to 1024² x 32

IKONAS strives to meet the graphics requirements of advanced, high technology research groups with our standard products or custom design. Call IKONAS for high performance raster graphics equipment.

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