DATAMAX UV-1 COLORGRAPHICS COMPUTER

UV-1 HARDWARE FEATURES:

* ZGRASS FIRMWARE: 32K EPROM
* 32K USER RAM EXPANDABLE TO 64K FOR CP/M ** COMPATIBILITY
* 16 SCREEN PAGES OF 16K BYTES, SOME OF WHICH MAY ALSO BE USED FOR SOLID STATE DISC CACHE
* 256 POSSIBLE COLORS WITH 4 COLORS PER AREA
* 320 X 202 X 2 BIT RESOLUTION
* Z80A MICROPROCESSOR
* CUSTOM I/O PROCESSOR
* CUSTOM VIDEO PROCESSOR
* 13 DIGIT FLOATING POINT MATH PACKAGE
* 3 CHANNEL SOUND SYNTHESIZER
* 2000 BAUD AUDIO TAPE INTERFACE
* 2 DC MOTOR CONTROLLERS (REED RELAY CLOSURE FOR CASSETTE TAPE UNITS)
* 2 RS-232C PORTS
* CAPABILITY FOR MICROPOLIS 1033-4 AND WINCHESTER HARD DISK DRIVE
* INTERFACE FOR GRAPHICS TABLET
* FRONT PANEL CONNECTIONS FOR HEADPHONES, LIGHT PEN AND 4 JOYSTICK CONTROLLERS.
* ANTI-STATIC WOODGRAIN-FORMICA WOOD CABINET
* COMPOSITE VIDEO OUTPUT, CHANNEL 3 OR 4 RF OUTPUT, AND R-Y, B-Y, Y OUTPUT
* FULL LEGAL NTSC VIDEO

ADDITIONAL FEATURES:

* ZGRASS SELF TEACHING BEGINNER LESSON SERIES, TESTED AND PROVEN
* 90 DAYS PARTS AND LABOR WARRANTY
* 1 YEAR GUARANTEE SOFTWARE UPDATES

UV-1 OPTIONS:

* 64K RAM FOR CP/M**
* DISC INTERFACE BOARD FOR MICROPOLIS 1033-IV, DOUBLE SIDED, SINGLE DENSITY
* MONITOR - DIRECT DRIVE RGB
* JOYSTICK CONTROLLERS

AVAILABLE FROM DATAMAX:

* TERMINAL - LEAR SIEGLER ADM-5
* GRAPHICS TABLET - SUMMAGRAPHICS BIT PAD ONE
* DISC DRIVE UNIT - MICROPOLIS MODEL 1033-IV
* PRINTER - EPSON MK-80

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
** CP/M IS A REGISTERED TRADEMARK OF DIGITAL RESEARCH.

TDS, Inc.

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THE UV-1 AND ZGRASS

The UV-1 is a system for Audio Visual application and Real Time graphics displays. It is the most advanced Real Time graphic system with a user-oriented language. Ten years in development, it is the microcomputer most suited to producing visual on a television set.

It is the only computer system available with the proven ruggedness and reliability. It is based on a heritage of video arcade games.

In its simplest mode, you can create visuals by moving a stylus over a sensitive surface picking options from a menu displayed on the screen. You can build maps, charts, work slides nad simple animated effects. The quality of the effects depends mostly on the design esthetics of the user.

The UV-1 operating system, Zgrass, allows you to call up several "turnkey" subsystems for a variety of uses. The difference between our approach and ordinary effects generator is that our subsystems are written in a high-level graphics programming language. Creating subsystems surely involves computer programming, but it is programming in a language designed for visuals in motion, not mathematics. In fact, math is not required! What this means is that it is easy for us to write custom subsystems for you.

We do not have to change your hardware to add a new subsystem; we just send a new subsystem program.

The power of programming is available to you as well. A series of lessons and videotapes is designed to help the interested novice learn how to control the machine and create useful custom software. Anyone with a home computer or a single high-school level BASIC programming course can learn to write Zgrass software in a week or less. Training seminars at your site or ours are also available. We want you to get full benefit of our unique software and hardware design. Creating and controlling visuals interactively is very rewarding and, with the UV-1, easier that using a word processor. In fact, all the TV graphics in this brochure were done by people whose training is in the fine arts.

The UV-1 will also run CP/M (CP/M is a registered trademark of Digital Research), thus opening a whole world of word processing and business software availability. For a facility not requiring a full-time business comptuer, the UV-1 gives you the best of both worlds - Graphics and small business computing.

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Thank you for your interest in the Datamax UV-1 Graphics Computer and Zgrass Software.

We will provide you with the information you need for evaluating our product and for the demonstration of the UV-1 System capabilities. Included in our documentation is:

1) A Zgrass glossary
2) A Zgrass lesson set
3) A UV-1 operator's manual
4) A video demonstration tape

The video cassette tapes are conveniently available in either Betamax or VHS formats and demonstrate the visual power and flexibility of our product.

Please return the below order blank along with your check, so that we may quickly respond to your request with the above information.

Please send me the following:

_____set(s) of documentation @ $20.00/set
      Note: Numbers 1,2, & 3 above only available as a set.

_____Video tape(s) Betamax or VHS (please indicate)
      @ $50.00/tape

NAME: _____

ADDRESS: _____

         _____

         _____

PHONE: _____

            /___/ Please contact me personally