Laser-Scan Ltd.

Software Product Specification

TABLE Package

(Digitising Table Support Package)

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1   *DESCRIPTION*

The Laser-Scan Digitising Table Support software package (TABLE) is assumed by any LSL applications software package which requires access to a digitising table. Common examples would be the LITES2 map display/editor, or the TVES package matrix display utilities.

It includes environment setup command files, library support, alternate table decode routines, and a table monitor utility.

The programs and libraries of the TABLE package are documented as part of the various application packages which use them. In particular, the user is referred to the MAPPING package documentation for general environment information, notably the "LAMPS Environment Guide".

2   *FACILITIES*

The following facilities are included in the TABLE package software.

   1.   The main component of TABLE is the Table Monitor program TABMON. This runs as a detached process and can handle streamed input from a digitising table on a serial line. The standard table supported is an Altek table with AC40 or AC90 controller. See below for facilities for alternative tables.

   2.   A utility STARTMON is provided to simplify creation of the detached process for TABMON.

   3.   Alternative table decode routines are provided. These allow use of serial line digitising tables other than the standard Altek one. They are provided as an example FORTRAN routine with a procedure to allow building of a modified version into a shared image, together with some pre-prepared shared images for common table types. Currently supplied are routines for Altek, CalComp (three different formats), GTCO, Kontron (two different formats), Mutoh, and Summagraphics formats. These shared images are then referenced by LSL applications programs if appropriate logical names are defined to point to them.

   4.   Example table decode routine sources are provided in Fortran and in Macro, for users to use as templates in writting their own decoders for non-standard tables.

3   *PREREQUISITES*

3.1   *Hardware Prerequisites*

   *   Any DEC VAX, MicroVAX, or VAXstation computer supported by the current version of VAX/VMS.

* At least 1MB available disc space for software, plus sufficient for data files,

* At least 4096 pages working set per process for efficient use,

* Any DEC-compatible alphanumeric terminal,

* An LSL-supported digitising table.

3.2 *Software Prerequisites*

VAX/VMS Version 5.4-3 (or higher version, assuming continued upwards compatability by DEC), concurrently with other interactive and batch processes.

It is recommended that the reader becomes familiar with the LAMPS Environment Guide which outlines in greater detail the hardware and software environment required by the LAMPS packages as a whole.

3.3 *Growth Considerations*

The minimum hardware and software requirements for any future version of this product may be different from the minimum requirements for the current version.

4 *SUPPORT LEVEL*

TABLE is a fully supported Laser-Scan standard software product.