Software Product Description

PRODUCT NAME: DECimage Character Recognition Services for VMS, Version 1.0 **SPD 34.24.00**

DESCRIPTION

DECimage Character Recognition Services for VMS is a set of runtime services for the recognition and conversion of text information contained in bitonal images. Images can be scanned documents or existing bitonal image files. It provides a language-independent programmable interface that is used in conjunction with DECimage Application Services to develop image applications that include character recognition. DECimage Character Recognition Services also provides the runtime environment for these applications.

DECimage Character Recognition Services supports a subset of the ISO LATIN-1 character set. It recognizes most common European languages and a broad range of fonts in a broad range of font sizes. It converts recognized text into ASCII, DDIF, or PostScript® format. Converted text can be used by text-based editors, forms packages, indexing systems, and electronic mail.

DECimage Character Recognition Services can process an entire image for character recognition or specified regions of interest.

DECimage Character Recognition Services provides the following classes of services:

Page Segmentation Services

Separates regions of the image containing text from regions that do not contain text. Non-text regions may consist of white or black space or graphics. Only areas determined to be text regions are further processed by Text Recognition Services.

Text Recognition Services

These services examine text regions to determine character information within the region. These services also derive font style and font size information for the region.

Page Formatting Services

Groups the individual recognized characters into words, paragraphs, and columns on a page.

Text Export Services

Converts the text information into ASCII, DDIF, or PostScript format for use by other applications.

Structure Access Services

Allows applications to extract information such as region boundaries or individual words from a page structure. Also allows deleting regions of the page that are not of interest.

Postprocessing Services

Performs housekeeping functions such as deleting buffers or structures created during the recognition process.

HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation, or VAXserver configurations as specified in the System Support Addendum (SSA 34.24.00-x).

SOFTWARE REQUIREMENTS

VMS Operating System (and necessary components of VMS DECwindows)
DECimage Application Services for VMS (required for development)

Refer to the System Support Addendum (SSA 34.24.00-x) for availability and required versions of prerequisite /optional software and for information regarding components of VMS DECwindows.

ORDERING INFORMATION

Software Licenses: QL-GJFA*-**
Software Media and Documentation: QA-GJFAA-H*
Software Documentation: QA-GJFAA-GZ
Software Product Services: QT-GJFA*-**

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