

## Operational Description

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### 1 Features

VOICEYE PC-Mate enhances your reading ability by giving you the following features and advantages:

- **Universal and versatile features** fit many categories ....Real-time TTS player, magnifier, music player, educational aids such as training for dyslexia and foreign language study, phonological training, etc.
- **Bi-modal reading approach:** displays words on the screen as they are spoken for easy following, and supports bi-modal auditory and visual education for all ages.
- **Highly customized solution:** flexible, convenient, and remarkably easy to use. The user can configure the TTS setting to hear specific letters as he or she designates.
- **Digital data processing:** eliminates the restrictions of analog type of OCR (Optical Character Recognition) technology, such as high error ratio, high price, etc.
- **No special hardware** is required, except the VOICEYE Scanner, which can be purchased at a low cost
- **A wide array of flexible options on your screen:** allows you to customize the appearance of text on your screen, including text font, font size, font/background color
- **Auto store function** retains a history of the last ten files, which can be scanned for easy review.
- **Section auto repeat playback:** perfect for language study. The word or sentence which you drag with the mouse is read aloud continuously and repeatedly unless you press the corresponding key to stop.
- **Variable speech speed control** to suit specific preferences and purposes: useful in effective phonological training. Speech speed can be controlled in a range of 25 - 400%.
- **Auto scroll:** The texts are automatically scrolled for your reading convenience when you want to read texts without the computerized voice.
- **Auto capture:** captures the VOICEYE symbol automatically, without the push of a button. The VOICEYE Scanner scans symbols in seconds - even inverted VOICEYE symbols.

## 2 Product and Function

● Hardware	
<b>VOICEYE Scanner</b>	to capture VOICEYE symbol data from printed material
<b>PC Connector</b>	to convert VOICEYE image scanned with VOICEYE Scanner to digital data and transfer it to PC via USB connection
<b>USB cable</b>	to supply electric power to PC and transfer VOICEYE image captured with VOICEYE Scanner to PC.
● Software	
<b>VOICEYE Maker</b>	to create VOICEYE symbol
<b>VOICEYE Reader</b>	to display and magnify texts on screen after decoding VOICEYE symbol, which has then been transferred to PC, and read them aloud.
<b>Text-To-Speech engine</b>	to convert text data into a natural-sounding computerized voice
<b>VOICEYE Scanner driver</b>	To capture the VOICEYE symbol
● Others	
<b>User's Guide</b>	to explain how to install and use the product
<b>VOICEYE Note Template (Optional)</b>	to help the blind find the location of the VOICEYE symbol easily

## 3 Hardware Specifications

<b>Dimension</b>	43 x 48 x 67 mm, <b>1.7" x 1.9" x 2.6"</b>
<b>Weight</b>	80g, <b>0.18 lbs</b>
<b>Image Sensor</b>	1/2 inch CMOS Color SXGA sensor
<b>Color</b>	24bit RGB Color
<b>Pixel Array Size</b>	1280 x 1024 pixels
<b>Exposure</b>	Automatic & Manual Control
<b>Signal Noise Ratio</b>	54 dB
<b>Max. Image Transfer Rate</b>	15 FPS (Frame Per Sec)
<b>Interface</b>	USB 2.0
<b>USB Cable Length</b>	1.2 m, <b>3.9'</b>

## 4

**System Requirements**

<b>OS</b>	Windows 2000/2003/XP
<b>CPU</b>	<a href="#">Pentium II, minimum of 500 MHz</a>
<b>RAM</b>	<a href="#">64Mb - 128Mb</a>
<b>DB</b>	<a href="#">200Mb - 500Mb</a>
<b>Interface</b>	High Speed USB 2.0
<b>Power</b>	PC USB port support