

Assistive Technology Products for Information Access

2016

Introduction

The products listed in this reference guide are designed to assist people who have visual or physical disabilities in accessing printed information. They convert digital text or print into synthetic speech, braille, or enlarged text. Most are available from multiple vendors, which are listed below the entry along with the price points at the time this publication was compiled. Contact information for the vendors is listed alphabetically in the Addresses of Sources section.

Contact the companies to verify current prices, discuss product specifications, and learn about other products that may not be listed in this publication. In addition, many companies have special offers on their websites and free demonstration software.

Please note that this listing is not comprehensive. Items listed in this reference guide are not part of the National Library Service for the Blind and Physically Handicapped, Library of Congress, free library program and their listing does not imply endorsement.

Contents

- [Fully Functional Screen Readers](#)
- [Additional Screen Readers](#)
- [Screen Readers and Assistive Technology Software for Mobile Devices](#)
- [Screen Magnifiers with Screen Reading Capabilities](#)
- [Voice Recognition Software](#)
- [Optical Character Recognition Scanning Software](#)
- [Reading Software for Educational Needs](#)
- [Reading Machines and Scanners](#)
- [Portable Video Magnifiers](#)
- [Wearables](#)
- [Contact Information for Sources](#)
- [Selected Internet Resources](#)
- [Bibliography](#)

Fully Functional Screen Readers

Screen readers are software programs that enable individuals who are blind or visually impaired to access text and graphics on the computer screen by magnification, speech output, and/or braille output to a refreshable braille display.

COBRA (Baum)

Cobra is a screen reader that works with Windows XP, Windows 7, or Vista operating systems. It allows for magnification up to 32x and provides braille output. There are three versions available: COBRA Braille, COBRA Zoom, and COBRA Pro. COBRA Braille offers braille and speech output, COBRA Zoom offers screen magnification with speech output, and COBRA Pro offers braille output, screen magnification, and speech output. Both COBRA Zoom and COBRA Pro models provide full- or split-screen viewing, as well as optical aids such as cursor highlighting, focus border, and mouse pointer. Cobra Braille also handles multiple braille displays connected by USB or through Bluetooth. A free demonstration is available for download at www.baum.de/cms/en/cobra10/.

Baum: \$849 (Pro), \$749 (Braille), \$649 (Zoom)

Bay Area Digital: \$849 (Pro), \$749 (Braille), \$749 (Zoom)

JAWS for Windows (Freedom Scientific)

JAWS (Job Access with Speech) is a screen reader that supports standard Windows applications and web browsers. There are two versions: home edition and professional. Professional can be used on any Windows platform, and standard can be used on the Home Basic or Home Premium Windows platforms. JAWS can be used with any JAWS-compatible speech synthesizer or a braille display. A free 40-minute demonstration version is available for download at www.freedomscientific.com/jaws.

Dancing Dots: \$895 (home edition), \$1,095 (professional)

Freedom Scientific: \$895 (home edition), \$1,095 (professional)

Perkins Solutions: \$895 (home edition), \$1,095 (professional)

NVDA–Non-Visual Desktop Access (NV Access)

NVDA is a free open-source screen reader for Microsoft Windows computers. NVDA provides support for web browsers, chat programs, and Microsoft Office programs, including Word and Excel. NVDA uses a synthetic voice (available in English and forty-

three other languages) or braille output and has the ability to run from a USB drive or other portable media. NVDA is available for download at www.nvaccess.org/download.

NV Access: Free (donation suggested)

System Access (Serotek)

System Access is a screen reader that works on Windows-based computers with Microsoft Office applications, as well as Internet browsers and social networking applications (such as Skype). Two versions are available: System Access Standalone and System Access Mobile. More information about System Access is available at www.serotek.com/systemaccess.

Adaptive Ware: \$399 (Standalone), \$499 (Mobile)

Perkins Solutions: \$399 (Standalone)

Serotek Corporation: \$399 (Standalone), \$499 (Mobile). Monthly plan available

VoiceOver (Apple)

Apple's VoiceOver is a screen reader platform that comes standard with Mac OS X. It uses keyboard and track pad gestures to control the computer and a built-in voice to adjust the rate, pitch, and volume of the speech based on the context of the content being spoken. VoiceOver features plug-and-play support for refreshable braille displays. In addition, there is an on-screen braille panel for sighted teachers or parents. More information about VoiceOver is available at www.apple.com/accessibility/osx/voiceover.

Apple: Free with all devices that run Mac OS X or later

Window-Eyes (GW Micro)

Window-Eyes is a screen reader that works with a variety of Windows-based computers to support braille displays, speech products, and Macromedia Flash content. It supports Internet Explorer and Firefox web browsers, Microsoft Office programs, and Adobe Reader. Window-Eyes includes two Vocalizer and ten Eloquence voices. A free demonstration is available for download at www.gwmicro.com/Window-Eyes/.

People who own a licensed copy of Microsoft Office 2010 (or later) can download Window-Eyes for free. More information about this is available at www.windoweyesforoffice.com.

Beyond Sight: \$895

E.M. Vitu: \$895

EVAS: Contact for pricing

GW Micro: \$895 or \$39/month

Infogrip: \$895

Perkins Solutions: \$895

Synapse Adaptive: \$895

Additional Screen Readers

ChromeVox (Chrome Vox)

ChromeVox is a screen reader for the Chrome browser. More information and a free download are available at www.chromevox.com.

ChromeVox: Free

Dolphin Guide and Guide HandsFree (Dolphin)

Dolphin Guide works with Windows-based computers. It is a talking software for people who are blind or partially sighted and who are also new to computers. Guide HandsFree is made for people who are unable to press single buttons on a keyboard because of physical impairments. Guide HandsFree allows users to dictate directly to the computer as it responds by speech and on screen. It must be bought with a packaged computer bundle and requires the use of Dragon NaturallySpeaking dictation software. A free demonstration is available for download at www.yourdolphin.com/demos.

Adaptive Technology Resources: from \$795 (Dolphin Guide)

EVAS: \$795 (Dolphin Guide; contact for pricing of computer bundle for Guide HandsFree)

Florida Reading & Vision Technology: \$795 (Dolphin Guide)

J-Say Pro (Astec Assistive Tech Solutions)

J-Say Pro allows Dragon NaturallySpeaking and JAWS to be used separately or in tandem. It allows users to create text on a PC using their voice through Dragon NaturallySpeaking, while reading notes from another source on a braille display or through text-to-speech. J-Say Pro also allows the use of JAWS commands as voice commands. More information about J-Say Pro is available at <https://www.enablemart.com/j-say-pro>.

EnableMart: \$888.66

Narrator (Windows)

Narrator provides screen reading capabilities for all Windows computers. It reads aloud the text that appears on your screen and describes your desktop and any windows you have open. You can also have it read aloud what you type, as well as announce events that happen on the screen (such as dialog boxes that appear). Narrator is not designed to read content in non-Windows apps. More information about Narrator, as well as other accessibility features on Microsoft Windows, can be found at www.microsoft.com/enable.

Microsoft: Free with all Windows operating systems

Screen Readers and Assistive Technology Software for Mobile Devices

BrailleBack (Eyes-Free Project)

BrailleBack is an app that allows users to connect their refreshable braille displays via Bluetooth to Android devices. BrailleBack works together with the TalkBack mobile screen reader app (see below) to provide braille output. BrailleBack supports most major refreshable braille displays.

Google Play Store: Free

Google TalkBack (Google)

Google TalkBack is an accessibility app that aids users with vision impairments in the use of their Android devices. It speaks information on the screen and provides speech and vibration feedback to user actions.

Google Play Store: Free

MobileSpeak (Code Factory)

MobileSpeak is an accessibility software that can be installed on Windows or Symbian phones. It uses text-to-speech software to speak information on the screen and can be used with a refreshable braille display. Speech and braille output can be used independently or in tandem. It can be purchased through the Nokia store. Code Factory also produces an app for Android called Mobile Accessibility. More information is available at www.codefactory.es/en/products.asp?id=433.

Nokia Store: \$24.99

Siri (Apple)

Siri allows you to use your voice to send messages, schedule meetings, place phone calls, search the Internet, and more on your iOS devices. Siri comes free on Apple mobile devices running iOS 5 or later (iPhone 4S or later and iPad third generation or later). More information is available at www.apple.com/ios/siri.

Apple: Free with all devices that run iOS 5 or later and are compatible (contact Apple for more details)

VoiceOver (Apple)

VoiceOver allows users to access information on the screen of their iOS device through speech and braille output. With specific gestures, users can control VoiceOver to perform certain tasks, and it can also echo text input. Users who also use a braille display can connect that display via Bluetooth to read VoiceOver output through braille. More information is available at www.apple.com/accessibility/ios/voiceover/.

Apple: Comes free with most iOS devices

Screen Magnifiers with Screen Reading Capabilities

These screen-magnification software products can be purchased with or without the screen-reading function.

iZoom

iZoom allows for 36x magnification. Allows the user to control which part of the screen is magnified and to adapt the colors on the screen. The USB edition of iZoom allows users to save their settings on a USB memory stick and take the software with them to other computers without needing administrative privileges.

EnableMart: \$315 (standard edition); \$415 (USB edition)

Issist: \$299 (standard edition); \$399 (USB edition)

LS&S, LLC: \$299 (standard edition); \$399 (USB edition)

MAGic (Freedom Scientific)

MAGic allows for magnification of computer text and images up to 36x. It includes built-in color enhancements, as well as dual-monitor and remote access support. MAGic with Speech features built-in voices that read the text on the screen or echo user actions. MAGic is available without the speech option for those who only require magnification. A free demonstration is available for download at www.freedomscientific.com/magic.

Freedom Scientific: \$595 (with speech), \$395 (no speech)

Perkins Solutions: \$595 (with speech), \$395 (no speech)

SuperNova Reader (Dolphin)

SuperNova is a screen reader that works with various Windows-based computers to provide braille or speech output and magnification from 1.2x to 64x. It supports a range of braille displays and note takers. Four options of SuperNova are available: the Access Suite (braille support, screen reader, and magnification), the Screen Reader (does not have magnification), the Magnifier (does not have speech or braille output), and the Reader Magnifier (does not have braille output). A free demonstration to download is available at www.yourdolphin.com/supernova.

A.T. Kratter & Company: Contact for pricing

Boundless AT: \$1,195 (Access Suite), \$795 (Screen Reader), \$395 (Magnifier)

Dolphin: \$1,195 (Access Suite), \$795 (Screen Reader), \$395 (Magnifier)

EnableMart: \$644 (Reader Magnifier), \$426 (Magnifier)

VisionCue: \$1,095 (Access Suite), \$749 (Screen Reader), \$369 (Magnifier), \$549 (Magnifier and Screen reader)

ZoomText (Ai Squared)

ZoomText works with various Windows-based computers and provides a library of built-in (male and female) speech-synthesized voices to choose from. ZoomText supports magnification from 1x to 36x (60x in Windows 8), and provides viewing modes for full screen, split screen, window, or lens. ZoomText is available in two formats: Reader/Magnifier, for those requiring both magnification and speech, and Magnifier, for those who only require magnification. A free demonstration is available to download at www.aisquared.com/zoomtext.

Ai Squared: \$599 (Reader/ Magnifier), \$399 (Magnifier)

E.M. Vitu: \$599 (Reader/Magnifier), \$399 (Magnifier)

Maxi-Aids: \$599 (Reader/Magnifier), \$399 (Magnifier)

Synapse Adaptive: \$595 (Reader/Magnifier), \$395 (Magnifier)

Triumph Technologies: \$599 (Reader/Magnifier), \$399 (Magnifier)

ZoomText Fusion (Ai Squared)

This is a combination of ZoomText plus a screen reader. This features a fully functioning screen reader in which all standard screen reading commands will work. In addition, it features a tutor mode that gives users small snippets on how to use the software.

Ai Squared: \$999, \$1,419 (with Enhanced Support Plan)

Voice Recognition Software

Voice recognition (also called speech recognition) software uses voice commands in place of a mouse and keyboard to enter data into a computer or to navigate a website.

Dictation (Apple)

Dictation software is available on all Apple computers. Dictation allows users to dictate in any OS X app. An Internet connection is needed for OS X Mountain Lion, but is not needed for OS X Mavericks. More information is available at support.apple.com/kb/ht5449.

Apple: Free with Apple computer with OS X Mountain Lion and later

Dragon NaturallySpeaking Premium/Home (Nuance)

Dragon can be used with PC or Mac systems. Users can dictate to a computer and write documents using their voices in word-processing software programs. Dragon 12 offers speech output capabilities so that users can have text read aloud to them. The system works with most popular screen readers, such as JAWS. More information is available at www.nuance.com/dragon.

Adaptive Ware: \$168.95 (Premium), \$599 (professional)

Beyond Sight: \$199.95 (Home)

EnableMart: Prices vary

Independent Living Aids: \$199 (Premium)

Infogrip: \$199 (Premium), \$599 (Professional)

Maxi-Aids: \$198 (Premium), \$599 (Professional)

Nuance Communications: \$74.99 (Home), \$149.99 (Premium), \$599 (Professional)

Speech Recognition (Microsoft)

Microsoft's Speech Recognition allows users to use their voice to work with Windows and its programs. It can be used to dictate speech and say commands that the computer will recognize and respond to. Speech recognition is available in English, French,

German, Japanese, Spanish, simplified Chinese, and traditional Chinese. More information and a demonstration video are available at <http://windows.microsoft.com/en-us/windows-8/using-speech-recognition>.

Microsoft: Free with Windows Vista, Windows 7, Windows 8 and Windows 10 products

VoiceComputer (VoiceTech, LLC)

Working differently than other voice recognition systems, VoiceComputer displays the icons, menus and controls on the screen as numbers. Users speak the numbers associated with the icon and the system activates it for them. Users are also able to customize the voice commands to fit their needs. Users will also have the ability to recite text in place of typing.

VoiceTech, LLC: \$127 (home edition), \$250 (business/government edition)

Optical Character Recognition Scanning Software

These software programs allow users to convert scanned documents into accessible text through optical character recognition (OCR). This text can then be read by screen readers or integrated text-to-speech software. The products listed here are specifically designed to meet the needs of persons with visual disabilities.

DocuScan Plus (Serotek Corporation)

DocuScan Plus is an accessible, Internet-based scanning and reading software that works on computers running either Windows or Apple operating systems. With the use of a scanner, DocuScan Plus can convert printed materials and PDF files into text. All scanned material is stored virtually in the Cloud and is accessible from any connected device. More information can be found at www.serotek.com/docuscanplus.

Serotek Corporation: Contact for pricing

Kurzweil 1000 (Kurzweil)

Kurzweil 1000 works on a personal computer in conjunction with a scanner to convert print and electronic text (including PDFs) into speech. Kurzweil can send files to audio devices or braille note takers. It provides document creation and editing as well as capabilities for note taking, summarizing, and outlining text. More information is available at www.kurzweiledu.com.

Beyond Sight: \$995

HumanWare: \$995

Independent Living Aids: \$995

Kurzweil Educational Systems: \$995

Perkins Solutions: \$995

OpenBook (Freedom Scientific)

OpenBook works with Windows 2000, Windows XP, Vista, Windows 7, and Windows 10. It converts printed documents or graphic-based text into an electronic text format using OCR and either of two text-to-speech synthesizers: RealSpeak or Eloquence. It provides access to the Internet and email with Connect Outloud screen-reading software. Users can customize the appearance of the text on the screen, including font, size, character spacing, and background and character colors. Freedom Scientific offers a free demonstration for download at www.freedomscientific.com/Products/Blindness/OpenBook.

EVAS: Contact for pricing

Freedom Scientific: \$995

Perkins Solutions: \$995

Scan and Listen (BrightEye)

Scan and Listen consists of two components: Scan-A-Page and Scan-A-Word. Scan-A-Page scans a whole page of text and reads the whole page or any part of the page out loud from a computer word processor. Scan-A-Word reads individual words or sentences with a handheld portable scanner that can be used for books or magazines. It plugs into a computer or laptop to scan words onto the screen of a word processor. More information can be found at www.brighteye.com/products.htm.

BrightEye Technology: \$790

Scan and Read Pro (Premier Assistive Technology)

This software scans and reads printed text out loud. It has an adjustable reading speed and talking spell checker, magnifies up to 400 percent, and supports up to twelve different languages. It can also create MP3 and WAV audio files. Scan and Read Pro requires a Windows operating system with speakers, a sound card, and a CD-ROM drive. More information is available at www.readingmadeez.com.

EnableMart: \$161.50

Maxi-Aids: \$149

Premier Assistive Technology: \$149.95

Zoomtext Image Reader (Ai Squared)

A combination of software and hardware, the Zoomtext Image Reader will take a picture of the text and render it onto the screen. The software comes equipped with 72 different voices to choose from as well as 150 languages.

Ai Squared: \$749

Boundless AT: \$749

Reading Software for Educational Needs

These programs target the reading and educational needs of people who have learning or reading disabilities. They incorporate special educational tools to assist in reading, writing, and studying.

Kurzweil 3000/Firefly (Kurzweil)

Kurzweil 3000 is available for both Mac and Windows operating systems. It assists users with writing, comprehension, vocabulary, study skills, and other educational needs. Kurzweil 3000 incorporates text-to-speech in seven languages, can read any digital text aloud, and has a talking spell checker. It also provides access to Firefly, an online tool that allows users to access Kurzweil 3000 tools from any computer with access to the Internet. More information is available at www.kurzweilededu.com.

Kurzweil Education Systems: \$1,395

Perkins Solutions: \$1,395

Read & Write Gold (TextHelp)

Read & Write Gold uses a toolbar to assist users with reading, writing, studying, and research within common mobile devices (with the iReadWrite app). Provides support for Google Chrome, Internet Explorer, and Firefox web browsers, as well as Google Docs, Microsoft Word, and Adobe Reader. More information is available at www.texthelp.com.

Bright Eye: \$610

EnableMart: \$595

Next Generation Technologies: Contact for pricing

Synapse Adaptive: Price varies

TextHelp: Contact for pricing

WYNN Wizard (Freedom Scientific)

WYNN Wizard is scanning and reading software specifically developed for individuals with reading and writing difficulties. It includes OCR technology and speech synthesis so printed pages can be read aloud, and highlights text as the words are spoken. WYNN Wizard can also read word-processing documents, Adobe PDFs, text files, and web pages. More information is available at www.freedomscientific.com/lsg/products/wynn.asp.

Freedom Scientific: \$595

Synapse Adaptive: \$940

BrowseAloud (TextHelp)

BrowseAloud is a web access tool available to web users as well as website creators. When enabled on a website by the site's developers, it allows end users to highlight and listen to any text on the Internet. The free end user version works in Internet Explorer, Firefox, Chrome, and Safari web browsers, and is also available for use with mobile devices. More information is available at www.browsealoud.com.

TextHelp: Free for end users; developers should contact TextHelp for pricing

ClickHear (gh LLC)

ClickHear is a toolbar that operates in a web browser. After installation, the ClickHear toolbar will appear at the top of the browser. Users can choose to begin reading at the top of the page or any given section and can navigate through the page with a click of the mouse. ClickHear reads general text on a web page, as well as text fields, buttons, and alt text for images. It is also available in mobile format (no software installation required). More information about ClickHear is available at <https://www.gh-accessibility.com/software>.

Enablemart: \$56.65

gh LLC: \$49.99

Universal Reader Plus (Premier Assistive Technology)

Universal Reader Plus works with various Windows-based computers to read email, Word documents, and web pages. It provides a Talking Pointer for placing the cursor over text, icons, or items to be read. Universal Reader Plus has the features of the Universal Reader with the addition of a USB port for a scanner and scanning software. More information on Universal Reader Plus is available at www.premierathome.com/products/UniversalReaderPlus.php.

Perkins Solutions: \$79.95

Premier Assistive Technology: \$79.95

Reading Machines and Scanners

A reading machine is an electronic device that scans a printed page and, through an internal synthesized voice, reads the printed material aloud. It may also have the capability to save the scanned material for later use. Some reading machines can be connected to computers to allow for magnification of the scanned page. Others come with special features such as alarms.

ClearReader+ (Optelec)

ClearReader+ is a portable scanning and reading device that will convert print documents to speech. Options include the ability to save and open documents, speed controls, and volume controls. ClearReader+ comes with thirty supported languages and sixty-three reading voices. A demonstration is available at <http://us.optelec.com>.

Optelec: \$1,995; contact for additional retailers

Excalibur (Robotron Group)

Excalibur can scan two pages of a large book at the same time. Speech is available in English, French, German, and Spanish; multiple languages can be installed. It has file storage facilities to save documents to read at a later time and the ability to read external files, and it can be connected to a PC. More information can be found at www.sensorytools.com/excalibur.htm.

E.M. Vitu: \$3,295

Independent Living Aids: \$3,495

Robotron: \$2,999.95

E-bot and E-bot ADV (HIMS)

E-bot is a five-pound portable video magnifier and reader that is able to be connected to Android or iPad tablets completely wirelessly or to a computer via USB. It has a built in voice that reads the text on the image to the user and has eight different color variations. It allows for close-up or distance viewing and for users to lock the focus of the image.

HIMS: \$2,495-\$2,995

Eye-Pal Ace Plus (ABiSee)

The Eye-Pal Ace is a portable magnifying device (3.5 pounds) that can connect to Wi-Fi and can communicate through email. It allows users to scan and save documents on the device and attach those documents to an email. More information is available at www.freedomscientific.com/Products/LowVision/EyePalAcePlusLV.

Freedom Scientific: \$2,995

New England Low Vision: \$2,995

Eye-Pal (ABiSee)

Eye-Pal is a portable USB camera that can be used with a Windows or Mac computer. It converts printed material into speech, digital text files, or braille files, is compatible with the Kurzweil 1000, and weighs one pound. More information is available at www.abisee.com/Eye-Pal.html.

ABiSee: \$1,275; contact for additional retailers

Independent Living Aids: \$1,275

New England Low Vision: \$1,275

Eye-Pal Reader (ABiSee)

Eye-Pal Reader is a portable stand-alone scanning and reading device that can be used without pushing a button. Users can navigate through a book or document with arrow keys on a keypad or with hand gestures. This machine is lightweight and semi-portable (4.6 pounds.). A completely hands-free reader is also available from ABiSee (Eye-Pal Solo). More information is available at www.freedomscientific.com/Products/Blindness/EyePalReader.

ABiSee: \$1,995

Beyond Sight: \$1,995

Independent Living Aids: \$1,995

Infogrip: \$1,995

Eye-Pal ROL (ABiSee)

Eye-Pal ROL is a portable, battery-powered reading and scanning device. It also allows users to set reminders, alarms, and other scheduling aids. Eye-Pal ROL has no wires or cables and can be used with headphones. The Eye-Pal ROL can store scanned text as JPEG, MP3, or text files and weighs 3.5 pounds. More information is available at www.freedomscientific.com/Products/Blindness/EyePalROL.

ABiSee: \$2,195; contact for additional retailers

Independent Living Aids: \$2,195

New England Low Vision: \$2,195

Eye-Scan (Guerilla Technologies)

Eye-Scan scans and reads printed documents and converts them to speech using AT&T natural voices. Currency identification is also available and the scanner can switch between column and tabular mode. Eye-Scan Plus model includes twenty extra pages of storage with page, line, or word reading options. Eye-Scan Unlimited model has unlimited page storage and the ability to export audio as an MP3 file. More information is available at www.guerillatechnologies.com/eyescan.html.

Guerilla Technologies: Contact for pricing and additional retailers

Maxi-Aids: \$1,995 (Standard), \$2,195 (Plus), \$2,495 (Unlimited)

Eye-Snap (Guerilla Technologies)

The Eye-Snap is another text-to-speech reading device from Guerilla Technologies similar to the Eye-Scan, but it uses a camera instead of a scanner to capture text and convert it to speech. More information is available at www.guerillatechnologies.com/eyesnap.html.

Guerilla Technologies: Contact for pricing and additional retailers

Maxi-Aids: \$2,495 (Standard), \$2,695 (Plus), \$2,995 (Unlimited)

Patriot Scan and Read (LS&S, LLC)

A standalone flat-bed scanner and reader that features stereo sound, simple to use buttons, a memory for over 200,000 pages, 10,000 titles from Project Gutenberg, and an audio barcode scanner for organizing household items. More information is available at www.lssproducts.com/product/patriot-voice-scanner-and-reader/reading-machines.

LS&S, LLC: \$3,295

MagniLink Voice (Low-Vision Intrnational)

A standalone device that is designed for ease of use. It has a large orange button that when pressed scans the page under the camera. It has a rechargeable battery that can hold a charge for up to five hours. Weighs seven pounds.

Eschenbach: \$2,496

PEARL (Freedom Scientific)

PEARL is a portable OCR camera that can be used in conjunction with a computer to scan and read the printed page. It requires Windows 2003 or a newer operating system, as well as Freedom Scientific's OpenBook 9 software or later versions (see [Optical Character Recognition Scanning Software](#)). More information is available at www.freedomscientific.com.

EnableMart: \$799

Freedom Scientific: \$1,790 (with OpenBook software included)

Perkins Solutions: \$795 (PEARL camera alone); \$1,790 (with OpenBook software)

POET Compact 2 (Baum)

The POET Compact 2 is a scanning and reading machine with a simple interface. It has two buttons: one to scan and recognize text and one to stop and start the speech output. More information is available at www.baumusa.com/products/readingmachine.html.

BAUM: \$2,695 (standard); \$2,995 (advanced model)

RAVE II (Guerilla Technologies)

RAVE II (Reading and Vision Enhancement) is a package that includes software and a portable camera that can scan, magnify, and read the printed page. Software includes OCR reading, enhanced reading, low vision functionality (magnification), and book mode. More information is available at www.guerillatechnologies.com/rave.html.

Enablemart: \$1,549

Guerilla Technologies: Contact for pricing and additional retailers

Maxi-Aids: \$1,250

ReadDesk (Trysight)

Designed for portability ReadDesk weighs less than 1.5 pounds and is able to fit into a laptop case once folded. Using a computer, users can use ReadDesk to magnify the text on the screen and save the images. Users can also save the audio of the text as MP3 files. After scanning the document, users can use the software that comes with ReadDesk to highlight the words as it is read to them. The software also allows the user to select how the text is displayed on the screen, horizontally or vertically. Users can also use the software to change the background of behind the text to suit their preferences.

EnableMart: \$811

Trysight: \$899

ReadEasy Move (Humanware)

ReadEasy Move is a portable reading device that can scan, store, and read aloud print documents. There are three optional feature packs: keypad, low vision, and low vision touch. The keypad feature pack includes more refined navigation control for those wishing to have more granular features. The low vision feature pack comes with all the features of the keypad feature pack, and users can also connect a monitor to the ReadEasy Move to view enlarged text. The low vision touch feature pack includes all optional features plus the ability to use a touch screen monitor. More information is available at

http://store.humanware.com/hau/read-easy-move-std.html?store=au_en/.

Adaptive Ware: \$2495, \$2695 (keypad feature pack), \$2845 (low vision pack), \$2995 (low vision touch pack)

Humanware: Contact for pricing

Reading Pen (Wizcom)

The Reading Pen is a text-to-speech tool for students who have reading difficulties. Roll the pen over the line of text to be read, and the pen will speak it aloud. The Reading Pen provides definitions, translations, pronunciations, and other functions. More information is available at www.wizcomtech.com.

Wizcom: \$219

Enablemart: \$194

ReadIt Air (Humanware)

ReadIt Air is a portable camera that can be used with any computer running the ReadIt software. The ReadIt Air reads printed material out loud and also displays the scanned text, enlarged and in special colors or formatting, on the computer screen. More information is available at http://store.humanware.com/hau/readit-air.html?store=au_en/.

Humanware: \$2,725

SARA (Freedom Scientific)

SARA scans, recognizes, and reads text. Users can adjust the voice rate and volume as well as fast forward, pause, rewind, and spell out words. SARA can attach to a monitor and display on-screen text. It also supports braille output for refreshable braille displays. The CE model performs the same tasks; however, instead of a flatbed, there is a camera. More information is available at www.freedomscientific.com.

Freedom Scientific: \$2,395; \$1,895 (SARA CE)

Perkins Solutions: \$2,395; \$1,895 (SARA CE)

Simon (Robotron Group)

Simon is a stand-alone scanning and reading machine. It can scan two pages of a large book at the same time, has two main commands (start and stop), and three sound controls: volume, speed, and pitch. Available in English, French, German, and Spanish (only one language can be installed). More information is available at www.sensorytools.com/simon.htm.

E.M. Vitu: \$2,295

LS&S: \$2,295

Robotron: \$2,299.95

Smart Reader (Enhanced Vision)

The Smart Reader is portable reading device that allows the user to position the document underneath and have it read back to them. It can be connected to a television monitor to allow users to capture the scanned image and have it enlarged and read back to the user. More information is available at www.boundlessat.com/Blindness/OCR-Scanning/Smart-Reader-OCR-System.

Boundless AT: \$1,795

Enhanced Vision: \$1,795

New England Low Vision: \$1,795

Ultima (Guerilla Technologies)

The Ultima is a scanning, reading, and magnifying machine. The system comes with a 17-inch self-contained monitor/CPU that can magnify up to 18x and has an OCR scanner and software. The package also includes touch-screen magnification and currency, and tabular and column reading modes. Multiple languages are available. More information is available at www.guerillatechnologies.com/ultima.html.

Enablemart: \$2,669

Guerilla Technologies: contact for pricing and additional retailers

Maxi-Aids: \$2,695

Zoom-Ex (ABiSee)

Zoom-Ex allows users to convert any printed text into multiple accessible formats such as speech, large print, sound, or text files. The scanning camera is foldable and portable, and can be connected to a computer running either Mac (OS X 10.5 or later) or Windows (XP or later) operating systems. Zoom-Ex is now compatible with the Kurzweil 1000, but requires the installation of the software onto a computer or laptop. More information is available at www.abisee.com/Zoom-EX.html.

ABiSee: Contact for pricing

Infogrip: \$1,775

Portable Video Magnifiers

These portable devices magnify text in a digital video format. Most run on battery power or can be recharged. Some allow you to save scanned text on the device.

Butterfly (Zoomax USA)

The Butterfly is a pocket-sized 3.5-inch magnifier that, weighing a quarter of a pound, is designed for ease of use while commuting, in a restaurant, in a pharmacy etc. Users use the dial at the top to adjust magnification. If they push the dial in, the contrast on the screen changes. In addition, users have the ability to freeze the images on the screen. It is able to magnify up to 15x and has five different contrast options.

Zoomax USA: \$279

Crystal XL2 - Handheld Video Magnifier (Eschenbach)

Crystal XL2 is a 4.3-inch magnifier which magnifies up to 14x. Has an ergonomic handle with controls at the thumb level. The Crystal XL2 has "Overview mode" to help with orientation on a page. Battery life is four hours, and batteries can be charged via USB.

Eschenbach: Contact for pricing

Magnifying Aids: \$695

Ecare 3.5" Handheld video magnifier (Visum)

The Ecare 3.5" Handheld video magnifier is designed for ease of access. Its small design allows for users to easily place it in their pocket. It has TV output allowing for larger images. Battery life is up to four hours. It has four different magnification levels.

Magnifying America: \$295

Ecare 4.3" portable video magnifier (Visum)

The Ecare 4.3-inch video magnifier is able to magnify up to 44x with eight different display options. It has a battery life of 3.5 hours. It has TV output and users can freeze the images.

Magnifying America: \$495

HIMS Candy 5 HD

The HIMS Candy 5 HD features a 5-inch screen that is able to zoom up to 22x magnification. The handle allows users to switch between three different positions. The auto-focus camera is able to switch between handheld and standing positions. The camera can take snapshots and users are able to save up to five images.

Enablemart: \$705

HIMS: \$695

Optelec Compact Mini (Optelec)

The Optelec Compact Mini is a 3.5-inch full-color screen magnifier that can zoom up to 11x. It has high-contrast viewing options allows the user to take snapshots. More information is available at <http://us.optelec.com/products/mini-optelec-compact-mini.html>.

Irie-AT: \$295

Optelec: \$295; contact for additional retailers

Prodigi (see Reading Machines and Scanners)**Mercury 5.5" Magnifier (Trysight, Inc.)**

The Mercury 5.5-inch magnifier is designed to be a pocket-sized magnifier with a large screen. The magnifier is able to magnify up to 10x magnification and holds a charge for three hours.

Trysight, Inc.: \$495

Mercury 7 7" Magnifier with Speech (Trysight, Inc.)

The Mercury 7 is a touch screen magnification device with optical character recognition (OCR) allowing for the text on a page to be converted to speech. In addition, there is a talking menu for users and is multilingual.

LS&S, LLC: \$995

Maxi-Aids: \$995

Trysight, Inc.: \$995

Mobilux Digital Inspection (Eschenbach)

Mobilux Digital Inspection is 4.3-inch video magnifier with a high-definition touch screen. The Mobilux Digital Inspection is capable of magnifying up to 15x. Images are viewable from a computer monitor when the device is connected via USB. It also includes a 4GB SD card that is capable of storing ten thousand images.

Eschenbach: Contact for pricing

Magnifier City: \$995

Mobilux Digital Touch HD Portable Video Magnifier (Eschenbach)

Mobilux Digital Inspection is 4.3-inch video magnifier with a high-definition touch screen. In addition to its magnifying capabilities, it also provides time and date information on the screen. It magnifies up to 12x magnification. It also includes a 4 GB SD card that is capable of storing 75 images.

Eschenbach: Contact for pricing

Magnifier City: \$695

Quicklook Zoom (Eschenbach)

The Quicklook Zoom magnifies up to 19x. Battery life is four to seven hours. It has 56 color options and allows for image capture.

Boundless AT: \$795-\$999

Eschenbach: Contact for pricing

Ruby (Freedom Scientific)

Ruby is a lightweight portable magnifier that has a 4.3-inch LCD screen. It uses AAA batteries and has a two-hour battery life (while in use). The Ruby can magnify up to 14x, and has five high-contrast video color modes. Freedom Scientific also has HD and XL HD models. More information is available at www.freedomscientific.com.

Freedom Scientific: \$545, \$645 (HD), \$895 (XL HD); contact for additional retailers

Scene Eye 500 (Sight Enhancement Systems)

The Scene Eye 500 is a portable camera that is able to be connected, via USB to a tablet or personal computer. Once connected, users are able to adjust the magnification of the image through an app.

Sight Enhancement Systems: Contact for pricing

SmartLux Digital Portable Video Magnifier (Eschenbach)

The SmartLux is a handheld magnifier with a five-inch screen that is capable of magnifying up to 12x magnification. Has five different viewing capabilities: full color, black on white, white on black, black on yellow, and yellow on black. The magnifier comes with a stand that can be set at half-length or full length. A LED light assists with reading the content on other electronic devices, such as cell phones.

Eschenbach: \$650

Maxi-Aids: \$595

SmartView Versa (HumanWare)

The SmartView Versa is a handheld electronic magnifier that can magnify up to 15x. It has large buttons and a handle, and comes with an autofocus feature. More information is available at www.humanware.com.

Boundless AT: \$545

HumanWare: \$595

LS&S, LLC: \$595

Snow 4.3" (Zoomax USA)

The Snow 4.3" is capable of 16x magnification. Its controls on the right-hand side of the device allow for one handed use. It features 10 different contrast options for the users. The device allows users to freeze the images on a screen. It comes equipped with a stand so that users can use the device top write.

Zoomax USA: \$459

Snow 7" HD (Zoomax USA)

The Snow 7" HD features a high-definition camera that is capable of reaching 19x magnification. The device weighs one pound and has a three-hour battery life. There are only five control buttons on the device for ease of use. Users are able to choose from twelve different contrast options. Users are also able to save up to three contrast options as their favorites. The Snow 7" HD provides for distance viewing so users can view text from afar.

Zoomax USA: \$929

Zoomax M5 (Zoomax USA)

The Zoomax M5 features two high-definition cameras as well as a high-definition touch screen. It allows users to save up to 60 images and is capable of long distance viewing. The touch screen feature allows user to control the device by swiping. It is also HDMI enabled so users can attach it to a monitor or television set.

Zoomax USA: \$859

Wearables

The products listed below are able to be worn over the face covering the eyes and either modifying the user's vision or transmitting information to the user.

Brainport V100 (Wicab, Inc)

The BrainPort V100 is a headset that blind users wear that features a camera and strip that users place on their tongues. The camera will send a tactile image of what the camera sees and stimulate it on the tongue.

Wicab, Inc: Prescription only, prices may vary.

EnChroma Lenses (EnChroma)

Lenses which correct for colorblindness and allow the wearer to see colors. EnChroma sells several different frames to fit with the lenses. Their lenses fit a variety of frames and offer 100 percent UVA protection.

EnChroma: Prices vary depending on the frames purchased.

eSight

eSight is a set of glasses with a high-definition camera that delivers real-time video images to the user. It includes several different modes of viewing, which may be adjusted by the viewer, and comes with a headset, frames, a processing unit, and a carrier.

eSight: Prescription only, prices may vary.

OrCam

OrCam is a small camera that mounts on the frame of glasses. The user looks at text and uses a pointing gesture or button attached to their waist to operate the camera. The camera then converts the text into speech. The speech is directed to the user through a bone-conducting headset. The device is also programmable to recognize faces.

OrCam: \$3,500

Contact Information for Sources**ABiSee, Inc.**

See: Freedom Scientific

Adaptive Technology Resources

1350 14th Ave., Suite 3
Grafton, WI 53024
(262) 375-2020
800-770-8474 toll-free
(262) 375-6777 fax
www.adaptivetr.com

Adaptive Ware

4024 Port Victoria Ct.
Hermitage, TN 37076
(615) 884-8904
800-470-7482 toll-free
(615) 469-4891 fax

Kathy@adaptiveware.net
www.adaptiveware.net

Ai Squared

130 Taconic Business Park Rd.
Manchester Center, VT 05255
(802) 362-3612
800-859-0270 toll-free
(802) 362-1670 fax
sales@aisquared.com
support@aisquared.com
www.aisquared.com

Apple

1 Infinite Loop
Cupertino, CA 95014
(408) 996-1010
800-MY-APPLE (800-692-7753) toll-free
www.apple.com/accessibility

A.T. Kratter & Company

12062 Valley View St., Suite 109
Garden Grove, CA 92845-1739
(714) 799-3000
(714) 799-3100 fax
info@atkratter
www.atkratter.com

BAUM Rectec, Inc.

13 Branch St., Suite 205
Methuen, MA 01844
855-620-7985 toll-free
(978) 420-4401 fax
sales@baumusa.com
www.baumusa.com

Bay Area Digital, LLC

870 Market St., #653
San Francisco, CA 94102
(415) 217-6667
(415) 217-6667 fax
www.bayareadigital.us

Beyond Sight, Inc.

5650 South Windermere St.
Littleton, CO 80120
(303) 795-6455
(303) 795-6425 fax
support@beyondsight.com
www.beyondsight.com

Boundless AT

7490 SW Bridgeport Rd.
Durham, OR 97224
866-606-8551 toll-free
(503) 821-6355 fax
sales@boundlessat.com
www.boundlessat.com

BrightEye Technology

PO Box 16754
Asheville, NC 28816
(917) 628-9432
877-233-7323 toll-free
(206) 203-0989 fax

info@brighteye.com
www.brighteye.com 

ChromeVox
www.chromevox.com 

Code Factory
C/ Major, 19, 2-3
08221 - Terrassa (Barcelona)
Spain
sales@codefactory.es
www.codefactory.es 

Dancing Dots
1754 Quarry Ln.
PO Box 927
Valley Forge, PA 19482-0927
(610) 783-6692
(610) 500-5072 fax
info@dancingdots.com
www.dancingdots.com 

Dolphin Computer Access Ltd.
Technology House
Blackpole Estate West
Worcester, WR3 8TJ
UK
866-797-5921 toll-free
www.yourdolphin.com 

E.M. Vitu, Inc.
299-B Peterson Rd.
Libertyville, IL 60048
888-367-4004 toll-free
(847) 367-4003 fax
evitu@flash.net
www.emvitu.com 

EnableMart
865 Muirfield Dr.
Hanover Park, IL 60133
888-640-1999 toll-free
800-235-1305 fax
customerservice@schoolhealth.com
www.enablemart.com 

EnChroma
2560 9th St. #213b
Berkeley, CA 94710
(510) 497-0048
<http://enchroma.com/> 

Enhanced Vision
5882 Machine Dr.
Huntington Beach, CA 92649
(714) 374-1829
888-811-3161 toll-free
(714) 374-1821 fax
www.enhancedvision.com 

eSight
20 Eglinton Ave. W
Toronto, ON M4R
Canada
855-837-4448

(613) 482-4703
<http://esighteyewear.com/> 

Eschenbach

22 Shelter Rock Ln.
 Danbury, CT 06810
 (203) 702-1600
 800-487-5389 toll-free
 888-799-7200 toll-free fax
www.eschenbach.com/about-us-contact-us.htm 

EVAS (Electronic Vision Access Solutions)

39 Canal St.
 PO Box 371
 Westerly, RI 02891
 (401) 596-3155
 800-872-3827 (800-USA-EVAS) toll-free
 (401) 596-3979 fax
 (401) 596-3500 TTY
contact@evas.com
www.evas.com 

Florida Reading & Vision Technology, Inc.

Lighthouse of Broward County
 650 N. Andrews Ave.
 Fort Lauderdale, FL 33311
 800-981-5119 toll-free
 (954) 462-4647 fax
info@floridareading.com
www.floridareading.com 

Freedom Scientific

Blind/Low Vision Group and Corporate Offices
 11800 31st Ct. North
 St. Petersburg, FL 33716-1805
 (727) 803-8000
 800-444-4443 toll-free
 (727) 803-8001 fax
www.freedomscientific.com 

gh, LLC

700 Farabee Ct.
 Lafayette, IN 47905
 (765) 775-3776
 866-693-3687 toll-free
 (765) 775-2501 fax
sales@gh-accessibility.com
www.gh-accessibility.com 

Google Play Store

<https://play.google.com> 

Guerilla Technologies, Inc.

5029 SE Horseshoe Point Rd.
 Stuart, FL 34997
 (772) 283-0500
 (727) 287-0960 fax
info@guerillatechnologies.com
sales@guerillatechnologies.com
www.guerillatechnologies.com 

GW Micro

130 Taconic Business Park Rd.
 Manchester Center, VT 05255
 (802) 362-3612

800-859-0270 toll-free
(802) 362-1670 fax
sales@aisquared.com
support@aisquared.com
www.gwmicro.com 

HIMS Inc.

4616 W Howard Ln., Suite 960
Austin, TX 78728
888-520-4467 toll-free
(512) 837-2011 fax
sales@hims-inc.com
<http://hims-inc.com> 

HumanWare

1 UPS Way
PO Box 800
Champlain, NY 12919
800-722-3393 toll-free
888-871-4828 fax
us.info@humanware.com
www.humanware.com 

Independent Living Aids, Inc.

137 Rano Rd.
Buffalo, NY 14207
800-537-2118 toll-free
855-746-7452 toll-free
(516) 937-3906 fax
www.independentliving.com 

Infogrip, Inc.

1899 E. Main St.
Ventura, CA 93001
(805) 652-0770
800-397-0921 toll-free
(805) 652-0880 fax
info@infogrip.com
www.infogrip.com 

Irie-AT

1750 SW Third St., Suite C
Corvallis, OR 97333
888-308-0059 toll-free
(541) 205-4400 fax
support@knfbreader.com
www.irie-at.com 

Issist

18 Grist Mill Drive
Georgetown, ON L7G6C2
Canada
888-909-2544 toll-free
866-499 2921 fax
sales@issist.com
info@issist.com
www.issist1.com 

Kurzweil Educational Systems, Inc.

24 Prince Pkwy.
Natick, MA 01760
800-894-5374 toll-free
info@kurzweiledu.com
www.kurzweiledu.com 

LS&S, LLC

145 River Rock Dr.
Buffalo, NY 14207
(716) 348-3500
800-468-4789 toll-free
877-498-1482 fax
866-317-8533 TTY
info@LSSproducts.com
www.lssproducts.com 

Magnifier City

PO Box 248
Garrett, IN 46738-0248
866-641-2363 toll-free
(215) 780-1781 fax
orders@aaaindustrialsupply.com
www.magnifiercity.com/contact-us.aspx 

Magnifying Aids

4760 East Bay Drive Ste. E
Clearwater, FL 33764
(727) 526-2020
866-691-2450 toll-free
(727) 531-7224 fax
sales@magnifyingaids.com
www.magnifyingaids.com 

Magnifying America

2129 SW Highway 484
Ocala, FL 34473
800-364-1610 toll-free
(352) 307-6614 fax
ipalmer@thelva.com
<https://shop.magnifyingamerica.com> 

Magnisight Inc.

951 E. Fillmore St.
Colorado Springs, CO 80907
800-753-4767 toll-free
info@magnisight.com

Maxi-Aids

42 Executive Blvd.
Farmingdale, NY 11735
(631) 752-0521 information
800-522-6294 toll-free orders
(631) 752-0689 fax
(631) 752-0738 TTY
www.maxiaids.com 

Microsoft Corporation

One Microsoft Way
Redmond, WA 98052-6399
800-642-7676 (800-MICROSOFT) toll-free
800-936-5900 toll-free disability answer desk
www.microsoft.com/enable 

New England Low Vision

799 W. Boylston St.
Worcester, MA 01606
888-211-6933 toll-free
(508) 853-8201 fax
www.nelowvision.com 

Next Generation Technologies, Inc.

20006 Cedar Valley Rd., Suite 101
Lynnwood, WA 98036-6334
(425) 744-1100
(425) 778-5547 fax
www.ngtvoice.com

Nokia Store

www.store.ovi.com

Nuance Communications, Inc.

1 Wayside Rd.
Burlington, MA 01803
(781) 565-5000
800-443-7077 toll-free
(781) 565-5001 fax
www.nuance.com

NV Access

10 Bunowen St.
Ferny Grove
Qld 4055
Australia
(+61) 7 5667 8372
admin@nvaccess.org
www.nvaccess.org

Optelec US, Inc.

3030 Enterprise Ct., Suite C
Vista, CA 92081
800-826-4200 toll-free
800-368-4111 fax
info@optelec.com
www.optelec.com

OrCam Inc.

100 Church St., Suite 800
New York, NY 10007
800-713-3741 toll-free
www.orcam.com/

Perkins Solutions

175 N. Beacon St.
Watertown, MA 02472
(617) 972-7308
855-206-8353 toll-free
(617) 926-2027 Fax
PerkinsProductsolutions@Perkins.org
www.perkinssolutions.org

Premier Assistive Technology

Executive Offices
1309 North William St.
Joliet, IL 60435
(815) 927-7390
(815) 722-8802 fax
info@readingmadeeasy.com
www.readingmadeez.com

Robotron Group

Sensory Tools Division
15 Stamford Rd.
Oakleigh 3166, Australia
(+61) 3 9568 2568

(+61) 3 9568 1377 fax
www.robogroup.com

Screenreader.net

7 The Rookery
Orton Wistow
Peterborough, PE2 6YT
England
(+44) 01733 234441
(+44) 01733 370391 fax
info@screenreader.co.uk
www.screenreader.co.uk

Serotek Corporation

43 Main St. SE, Suite 508
Minneapolis, MN 55414
866-202-0520 toll-free
(612) 659-0760 fax
www.serotek.com

Sight Enhancement Systems

364 Huron Ave S
Ottawa, ON K1Y 0W7
(613) 421-8953
(613) 482-4532 fax
sales@sightenhancement.com
<http://sightenhancement.com>

Synapse Adaptive

14 Lynn Ct.
San Rafael, CA 94901
(415) 455-9700
800-317-9611 toll-free
(415) 455-9801 fax
info@synapseadaptive.com
www.synapseadaptive.com

Text Help

600 Unicorn Park Dr.
Woburn, MA 01801
888-248-0652 toll-free
866-248-0652 fax
u.s.info@texthelp.com
www.texthelp.com

Triumph Technologies

4110 Central Ave. NE, Suite 104
Columbia Heights, MN 55421
(651) 636-5184
866-347-8249 fax
info@attribution.com
www.attribution.com

Trysight, Inc

18 Grist Mill Dr.
Georgetown, ON, L7G 6C2
866-499 2921 toll-free
866-499 2921 toll-free fax
sales@trysight.com
info@trysight.com

VisionCue, LLC

4858 SW Scholls Ferry Rd.
Portland, OR 97225
(503) 297-1510

888-318-2582 toll-free
 (503) 459-4003 fax
lowvision@visioncue.com
www.visioncue.com

VoiceTech

<http://voiceteach.myshopify.com/>

Wicab, Inc

8313 Greenway Blvd., Suite 100
 Middleton, WI 53562-4763
 (608) 829-4500
 888-449-4222 toll-free
brainport@wicab.com
www.wicab.com

Wizcom

customer_service@wizcomtech.com
www.wizcomtech.com

Zoomax

844-496-6629 toll-free
<https://zoomaxusa.com>

Selected Internet Resources

AccessWorld

www.afb.org/accessworld.asp

Online monthly magazine published by the American Foundation for the Blind includes reviews of assistive technology products and other articles of general technological interest for people who are blind or visually impaired.

Adaptive Computer Products

www.makoa.org/computers.htm

Includes links to computer-access software, input devices (keyboards, pointing devices, eye-control, switches), augmentative communication devices, speech recognition/voice controlled systems, products for people who are blind and visually impaired, possible funding sources, and low-cost, assistive-technology programs.

AppleVis

www.applevis.com

Provides information, tips, and support for Apple product users who are blind or low-vision. Includes a blog, forum, user guides and tutorials, as well as product reviews.

W3C Web Accessibility Initiative

www.w3.org/WAI/

Describes tools and approaches that people with different kinds of disabilities use to browse the Internet. Discusses certain barriers that individuals with disabilities face, as well as the World Wide Web Consortium (W3C) guidelines for accessible web design.

American Foundation for the Blind (AFB) Assistive Technology

www.afb.org/info/living-with-vision-loss/using-technology/assistive-technology/123

Includes information about optical character recognition systems, speech systems, AFB product evaluations, and more.

AssistiveTech.net-National Public Website on Assistive Technology

<http://assistivetech.net/>

Has a searchable database to find vendors of assistive technology products created by the Georgia Institute of Technology Center for Assistive Technology and Environmental Access.

CANnect

www.cannect.org

Provides technology instruction for people who are visually impaired. Offers tech tidbits and education resources, as well as links to online courses offered through various schools for students who are blind or visually impaired.

Family Center on Technology and Disability

www.fctd.info

Offers information on assistive technologies to families of children and youth with disabilities and the professionals who work with them. Has links to organizations, factsheets, newsletters, and online discussions.

Fred's Head Blog

www.fredshead.info

Blog from the American Printing House for the Blind contains product reviews, tutorials, and in-depth articles, as well as general interest information for individuals who are blind or visually impaired.

Top Tech Tidbits

http://www.flying-blind.com/ttt_enews_archive.html

Newsletter produced by Flying Blind, LLC offers news updates, product reviews and a forum for the reselling of assistive technology products.

National Federation of the Blind Technology Resource List

<https://nfb.org/technology-resource-list>

Includes links to braille devices, print-reading hardware and software, and screen access and low-vision programs for Windows, speech synthesizers, and tutorials.

Bibliography

Allen, K. (2015, May 31). Great advances being made in assistive technology. *Toronto Star*. Retrieved from <http://www.ourwindsor.ca/news-story/5653854-great-advances-being-made-in-assistive-technology/>

Grant, P. et. al. (2016, March/April). The Functional performance of the BrainPort V100 device in persons who are profoundly blind. *Journal of Visual Impairment and Blindness*, 110, (2).

Hackett, A. (2015, fall). Welcome to the future of literacy: A new Perkins study explores how technology is revolutionizing the way people who are blind read, write and communicate. *Perspectives*. Retrieved from www.perkins.org/stories/magazine/welcome-to-the-future-of-literacy

Harvey, C. (2016, January 19). Can virtual reality be the next thing in curing blindness? *Bloomberg*. Retrieved from www.bloomberg.com/news/articles/2016-01-19/can-virtual-reality-be-the-next-big-thing-in-curing-blindness-

Hester, J.L. (2015, August 27). How tech helps guide the blind. *City Lab*. Retrieved from www.citylab.com/navigator/2015/08/improving-blind-peoples-digital-lives/402044/

Horowitz, B. (2014, December). Eye-tracking technology allows paralyzed people to control PCs, tablets. *Tech Page One*. Retrieved from <https://techpageone.dell.com/business/eye-tracking-technology-allows-paralyzed-people-to-control-pcs-tablets/>

Iyer, K. (2016, March 5). Bionic eye to become a reality very soon. *Tech Worm*. Retrieved from www.techworm.net/2016/03/bionic-eye-become-reality-soon.html

Keppler, N. (2016, February 2). How technology is helping the blind navigate the physical world. *Slate*. Retrieved from www.slate.com/articles/technology/future_tense/2016/02/how_technology_helps_the_blind_navigate_the_physical_world.html

McLarney, L. (2015, January). The TEACH Act: Frequently asked questions. *Braille Monitor*, 58 (1). Retrieved from <https://nfb.org/images/nfb/publications/bm/bm15/bm1501/bm1501tc.htm>

Perry, D.M. (2015, August 17). The future of assistive tech is surprisingly simple: Everyday technologies that enhance accessibility are far more helpful than miraculous, high-tech interventions. *Aljazeera America*. Retrieved from <http://america.aljazeera.com/opinions/2015/8/the-future-of-assistive-tech-is-surprisingly-simple.html>

Pultarova, T. (2015, December 10). *Blindness in a high-tech age*. *E&T: Engineering and Technology Magazine*, 10(12). Retrieved from <http://eandt.theiet.org/magazine/2015/12/blindness-high-tech-era.cfm>

Roumeliotis, I. (2014, September 17). Driverless cars, talking ATMs: Disabilities are transforming big business. *CBC News*. Retrieved from www.cbc.ca/news/business/driverless-cars-talking-atms-disabilities-are-transforming-big-business-1.2764814

Sanders, H. (2016, March 13). eSight uses high-def camera to help those with blindness. *WLS-TV Chicago*. Retrieved from <http://abc7chicago.com/health/esight-uses-high-def-camera-to-help-those-with-blindness/1241664/>

Screen Reader User Survey #5 Results (2014, February 16). *WebAim*. Retrieved from <http://webaim.org/projects/screenreadersurvey5/>

Soper, T. (2014, October 21). How tech advances are helping innovators do more for people with disabilities. *GeekWire*. Retrieved from www.geekwire.com/2014/disability-technology/.

Spieler, G. (2015, May 15). Aging in place: When technology can help. *Huffington Post*. Retrieved from www.huffingtonpost.com/geri-spieler/aging-in-place-when-technology-can-help_b_7280440.html.

Ungarino, R. (2014, August 18). Speech apps to smart pens: Tech aids students with learning disabilities. *NBC News*. Retrieved from www.nbcnews.com/tech/gift-guide/speech-apps-smart-pens-tech-aids-students-learning-disabilities-n179021.

[Back to top](#)

Compiled by Chris Corrigan
May 2016