Communicate Better with
BrailleSense Polaris

HIMS

Certification

CE KC FC ISO

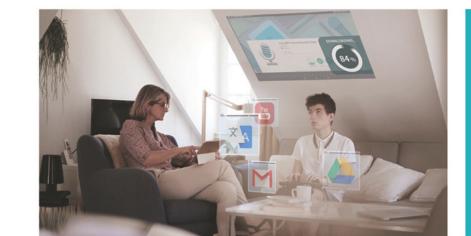2020. 06. 18 Rev A.1

HIMS
www.himsintl.com

BrailleSense Polaris is the most contemporary, yet intuitive Braille productivity tool available for the visually impaired.

If offers a new standard in blind-friendly applications with the latest in cutting edge technology.

BrailleSense Polaris levels the playing field with specialized applications built around the Polaris Office Suite, while providing comprehensive access to popular Google Apps such as Docs, Slides, Sheets, and Classroom.

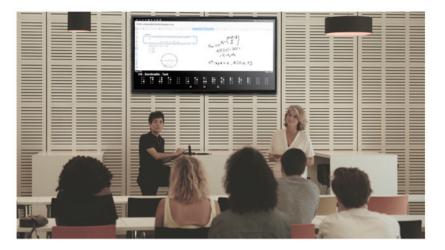## Slim & Portable

144mm

245mm

Take Your BrailleSense Polaris Anywhere!

Weighing at 750 g (1.65 lb) and measuring only 19 mm (0.74 in), BrailleSense Polaris is incredibly slimmer and lighter than our previous notetaker Braille Sense U2.

Google Android OS equipped

Visual Display

Mobile Connectivity & Communication

New Function Keys

Polaris at a Glance

Powerful Performance & Processing
Polaris boasts a powerful Samsung 2.1GHz octa-core processor, 3GB RAM and 64GB storage. SD card storage and USB 3.0 connectivity are also supported.

Slim and Light-weight Design
Thinner and lighter than conventional products on the market, the BrailleSense Polaris measures just 19mm (0.74 in) and weighs only 750g (1.65 lb).

18-Hour Battery Life
Traditional notetakers had a very short battery life so users had to constantly charge the device. With an 18 hour battery life, BrailleSense Polaris is sure to stay up and running as long as you do.

Convenient Wireless Charging
Charging can be a hassle because of tangling cables. Now users can conveniently charge BrailleSense Polaris using any compatible wireless chargers.

Google Android and OS Upgradable
An upgradable operating system and close partnership with Google, ensure the Polaris will continue to offer modern accessibility and mainstream features for many years to come.

9-Key Perkins Keyboard with Extras
Equipped with a 9-key Perkins-style keyboard, as well as Control, ALT and 4 function keys, Polaris allows you to use your traditional Braille keyboard in BrailleSense programming along with Google's built in accessibility shortcuts in mainstream apps like Google Docs and Sheets.

32-Cell Touch-Enabled Braille Display
Polaris offers a unique multi-touch 32-cell Braille display that lets you navigate and control BrailleSense with touch gestures as you read its output in Braille.

Kensington Lock Port
Secure your Polaris with the included Kensington lock port to prevent theft while you're away.
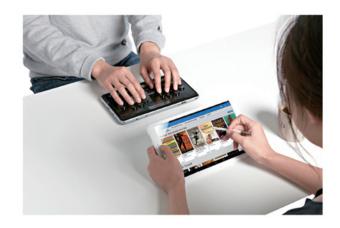
Optimized for the School & Office

BrailleSense Polaris supports Google Apps, making it easy to utilize Google services like Drive, Docs, Sheets, and Slides as millions of other students do every day.
But, there's more! BrailleSense Polaris provides unparalleled access to Google Classroom for blind students and teachers alike.
Collaboration among students and teachers has NEVER been this easy.
There's support for Nemeth and UEB Math, too.

Traditional BrailleSense Apps
- File Manager, Word Processor & E-mail
- Media Player, DAISY Player & FM Radio
- Address Manager, Schedule Manager & Web Browser
- Excel Viewer, Online DAISY and Sense Dictionary
- Calculator, Terminal for Screen Reader, Other Utilities
- Settings, Global Options and Help

Android and Stock Android Apps
- Accessible apps the user installs
- Google services: Drive, Docs, Sheets, Slides, etc.
- Google Classroom for blind students and teachers alike
- Download and read books using online library

BrailleSense Polaris allows for convenient viewing on the built-in LCD or a HDMI monitor, screen sharing with computers as well as Android and IOS devices via TeamViewer, and wireless streaming to external TV's or monitors via Miracast.

Wireless Features
- Wireless Display via Miracast
- QI compliant Wireless Charging
- Remote control your favorite appliances via IrDA
- Connect to the Internet and other devices via Wi-Fi & Bluetooth

Visual Display
- Get a quick glance at a student's work via the built-in LCD
- View a full screen of data with HDMI monitor
- Always know a students' focus via a virtual Braille display and its translation on the monitor

Intuitive User Interface

BrailleSense Polaris has a Perkins-style keyboard, a 32-cell braille display with cursor routing buttons, and touch sensors above the display for enhanced navigation.
We've kept the traditional Notetaker interface that has contributed to the popularity of other BrailleSense models.

- Status Indicators (Power, Wi-Fi)
- 9-Key Perkins Keyboard
- Ctrl Key
- 32-Braille Cells
- Volume Buttons
- Character LCD
- Alt Key
- Tracking Sensor
- Multi-Functional Media Buttons

Physical Volume Buttons

Dedicated volume keys (-/+) allow the user to instantly and easily adjust sound

Ctrl & Alt Keys

New Ctrl & Alt keys allow accessibility shortcuts in Android apps
- Ctrl Key: 'Previous' in BrailleSense Apps
- Alt Key: 'Next' in BrailleSense Apps

Camera for OCR Apps

High-resolution OCR camera provides instant Braille reading of print materials
- Compatible with Android OCR Apps
- 13-MP, Autofocus camera

Stereo Microphones

Built-in stereo mics allow high quality recording and superior sound quality comparable to expensive recording devices

Specifications

MODEL	BrailleSense Polaris	
BRAILLE DISPLAY	32 Refreshable Braille Cells	
KEYBOARD	9-key Perkins Style Keyboard (New Alt + Ctrl Keys)	
VIDEO	HDMI Output, Built-in LCD, Miracast	
INTERFACE	USB 3.0 Micro OTG, USB 2.0, HDMI, SD Card Slot, Multi Function Buttons	
NETWORK	802.11ac Wi-Fi Wireless Networking; a/b/g/n Compatible; Dual Band (2.4GHz and 5.0GHz) and Wi-Fi Direct Bluetooth 4.2 Wireless Technology USB to Ethernet (Optional)	
NAVIGATION	Built-in GPS, RTC, Accelerometer, Compass, Gyroscope	
MEDIA	13MP AF Camera, Alert (Vibration, Buzzer, Proprietary Ringtones), Stereo Speakers and Stereo MEMS Microphones	
APPLICATIONS	App Store: Google Play Store Pre-installed Apps: Chrome, Docs, Drive, Gmail, Google, Hangouts, Maps, Photos, Google Play Movies & TV, Google Play Music, Google Play Services, Sheets, Slide, YouTube	
Supported File Formats	Documents: HBL, DOC, DOCX, XLS, XLSX, CSV, PPT, PPTX, RTF, TXT, BRL, BRF, EPUB, PDF, HTML/XML (in Web browser) Media: YouTube, MP3, MP4, WAV, ASF, OGG, WMA, M4A, M3U, PLS, WMV, FLAC, MID, ACC. DAISY: DAISY 2.0/2.02/3.0, NIMAS 1.1, BookShare.org (Audible, NLS, Open Library, Learning Allysupported via 3rd party apps)	
Security & Safety	Kensington Lock Port, Premium Carrying Case	
PLATFORM	OS	Android OS 5.1.1 (Lollypop)
	CPU	Samsung Exynos 7420 2.1GHz Octa-core
	RAM	LPDDR3 3GB
	Program Memory	Internal Storage
STORAGE	Internal Type	eMMC
	Internal Size	64GB flash memory (Approx. 50GB available to user)
	External Slot	SD / SDHC
BODY	Dimensions (W x D x H)	9.64 x 5.66 x 0.74 in (245 x 144 x 19 mm)
	Weight	Approx. 1.65 lb (750 g)
BATTERY	Power	5V 1A, 5V 2A, 9V 1.75A
	Quick Charge	Qualcomm QC v2.0 (9V 1.75A)
	Type	Removable Battery Pack
	Wireless Charging	Battery Pack on Charger Deck (Qi Standard 5V 1A)
	Port	DC Jack, USB Micro-B
	Charging Time	4 hours
	Running Time	18 hours

Accessories

① Premium Carrying Case
② Portable Strap
③ Earbuds
④ Wireless Rechargeable Battery
⑤ AC Adapter
⑥ USB 3.0 Data Cable

① ② ③ ④ ⑤ ⑥