

Wearable Devices for People with Low Sight or No Sight

By Karla Rivas Parker

Assistive Technology Specialist

AzTAP

Learning Objectives

- Features to consider for Low sight devices
- Features to consider for No sight devices
- Available Devices and prices

Before Purchasing

Do your research so the features of the device match your unique needs, desires and budget.

Not one size fits all

Try before you Buy!

Physical Considerations of the Low sight Devices

Appearance

- Does the device make the person look cool!
- Does the person look weird?
- Would the target person wear it?

Comfortable to wear

- Are they adjustable to your head
- Are they light weight
- Are they adjustable to your face
- How long can you wear them

Are they Easy to use?

- Physical buttons
- Touch screen
- Physical remote control
- Voice control
- By using Or app on phone

Functional Considerations of the Low sight Devices

Field of View

- Central vision (RP)
- Peripheral vision (MD)
- Scotomas (Blind spots)

Low sight features

- Magnification Levels
- Color contrast
- Quality of image (pixels)
- Focus feature
- Night light

Additional Features

- Ability to manipulate each eye independently
- Masking lines
- Ability to block one eye
- OCR
- Live TV and movie streaming

eSight 4



- Style: Visor
- Weight: 454g
- Field of View: 35
- Magnification Level: 24
- Color Contrast: Yes
- Pixels: 18mg
- OCR: Yes
- Price: \$6950.00
- Special Features
- auditory feedback
- control on goggles, Bluetooth remote or phone app
- easily flip the glasses
- Has a Headlamp
- Takes photos and videos
- Has video streaming.
- Inter-pupil distance can be adjusted

IrisVision Live

- Style: Goggle
- Weight: 482g
- Field of View: 101
- Magnification Level: 12
- Color Contrast: 3
- Pixels: NA
- OCR: Yes
- Price:\$2995.00

• Special Features

- Voice commands through hey google
- Wireless charger
- Samsung Galaxy S8



NuEyes e2

- Style: Goggle
- Weight: 268g
- Field of View: 101
- Magnification Level: 18
- Color Contrast: Full b/w & w/b
- Pixels: 8mg
- OCR: Yes
- Price: 2795.00

• Special Features

- Auto focus
- Remote control & buttons on the device
- Record video and takes pictures.



OxSight Onyx

- Style: Goggle
 - Weight: 210g
 - Field of View: 70
 - Magnification Level: 8
 - Color Contrast: Inverted & HC
 - Pixels: NA
 - OCR: No
 - Price: \$1799.00
- Special Features
 - Low light mode
 - TV mode
 - Freeze frame mode
 - Object recognition
 - Brightness control and autofocus



Patriot ViewPoint

- Style: Goggle
- Weight: 454g
- Field of View: 101
- Magnification Level: 22
- Color Contrast: 11 & brightness
- Pixels: NA
- OCR: Yes
- Price: \$2995.00

• Special Features

- Control via touch pad
- Can be worn over most prescription glasses,
- Some auditory feedback.
- Samsung Galaxy S8



Vision Buddy

- Style: Goggle
- Weight: 272g
- Field of View: 101
- Magnification Level
- Color Contrast: No
- Pixels: 16
- OCR: Yes
- Price: \$2995.00

• Special Features

- Transmitter that connects to a streaming media
- Control on the headset
- 3 Modes: (1) Television watching, (2) digital magnification, and (3) optical character recognition, Connects to pc and game consoles.



Zoomax Acesight VR

- Style: Goggle
 - Weight: 360g
 - Field of View: 65
 - Magnification Level. 16
 - Color Contrast: 1
 - Pixels: 48mp
 - OCR: Yes
 - Price: \$4295.00
- Special Features
 - Outline mode (sharpens contrast lines),
 - Freeze frame option stable Image that can be moved around to viewable spot
 - Or zoom-in or out for inspection.
 - Outlining objects, Wire remote control



IrisVision Inspire

- Style: Glasses
- Weight: 172g
- Field of View: 70
- Magnification Level: 10
- Color Contrast: High Contrast
- OCR: Yes
- Price: \$3995.00

• Special Features

- Uses external Samsung Galaxy S21
- Make phone calls
- Video streaming
- Voice control
- Flashlight



NuEyes Pro3

- Style: Glasses
- Weight: 130g
- Field of View: 52
- Magnification Level: 12
- Color Contrast: NA
- Pixels: 13mp
- OCR: Yes
- Price: \$3845.00

• Special Features

- Auditory feedback
- Ability to remove 'shades' for enhanced peripheral vision
- Can take pictures and videos



Some Considerations of the No sight devices

- Appearance
- Ease of use
- Features available

Envision Glasses

- Envision Software
- Google Glasses
- Control by touchpad
- Weight: 46g
- Battery time: 4 H
- Price: 3500.00

• Special Features

- Available in 60 languages
- OCR
- Face recognition
- Currency and color identification
- Some applications require wifi
- Explores and finds things
- Fully functional App



OrCam MyEye

- Device with camera that attaches Magnetically to a clip fastened to glass frames
- Can be attached to left or right side
- Weight: 22.5g
- Battery time: 2 h
- No wifi required
- No storage of pictures
- Price: \$4500.00



• Special Features

- OCR (20 Lang)
- Smart reading
- Face recognition
- Product recognition
- Color and currency recognition
- Screen description
- Uses voice commands, touch pad and App

Contact Info

- Karla Rivas Parker, MSW, M. Ed., CRC, CATIS, CVRT
- Assistive Technology Specialist
- Arizona Technology Access Program (AzTAP)
- 300 West Clarendon Avenue Suite # 475
- Phoenix, Arizona 85013
- (602) 728-9530
- www.aztap.org

Websites

- [eSight Website](#)
- [eSight Youtube Demo](#)
- [IrisVision Website](#)
- [IrisVision Live Youtube Demo](#)
- [IrisVision Inspire Youtube Demo](#)
- [NuEyes Website](#)
- [NuEyes e2 Youtube Demo](#)
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