

# AR Glasses

## AR20SE User Manual



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## 1. Introduction

AR20SE is an industrial AR device being developed focusing on functions such as Remote Assist, IoT digital visualization, and digital workflow. The design aims to enhance better usability and wearability.

Optical module consists of a monocular glass in waveguide type, providing clearer site view and immersion experience.

The optical module is easy to adjust to customize eye focus when using, and the module can be lifted all the way when not using to retain 100% non-AR view.

## 2. Input interface

### 1. Power Key

Press for 3s to turn on the device and press for 3s to turn off the device.

### 2. Touch Bar

Scroll Up & Down on the touch bar for Volume Control

### 3. Function Key

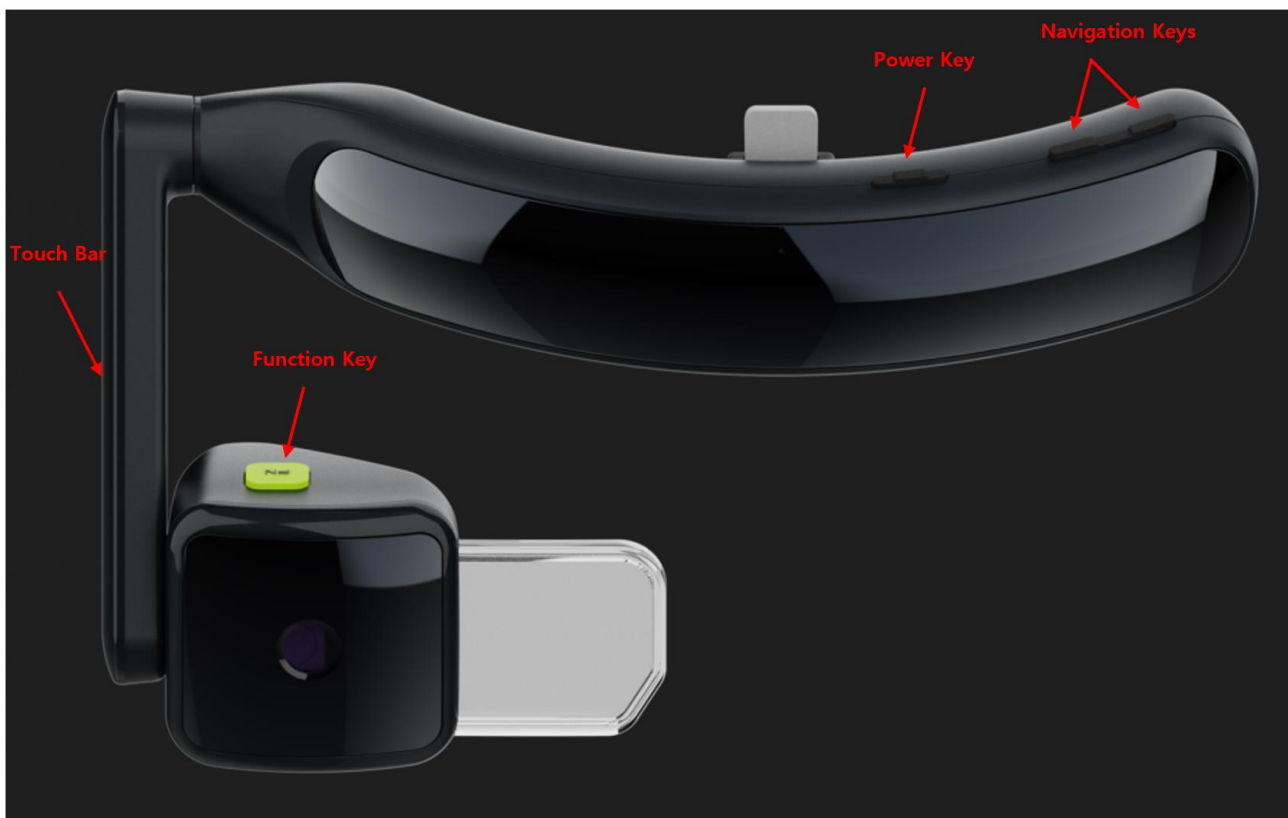
Press to operate some applications or to implement for confirmation.

### 4. Navigation Keys

Press Left & Right keys to control and navigate the different functions.

Press Left & Right keys once to move to the Left & Right

Press Left & Right keys twice to move Up & Down



### 3. Device Setup

#### 1. WiFi

Network & Internet → WiFi On → Searching enable AP → Select one AP to connect WiFi

#### 2. Bluetooth

Connected devices → Pair new device → Check Available devices → Select one device to connect BT

#### 3. Sound

Sound → Check each volume and adjust

#### 4. Optical module

Adjust the optical module to fit the eye



## 4. Device Status

### 1. Charging complete: Green LED



### 2. On charging: Red LED



## 5. Mounting Accessories

AR20SE has three types of mounting accessories – Safety Helmet, Visor type Cap and Short-brimmed Cap.

All times have been engineered to be easily joined with AR20SE device.



Safety Helmet



Short-brimmed Cap



Visor type Cap

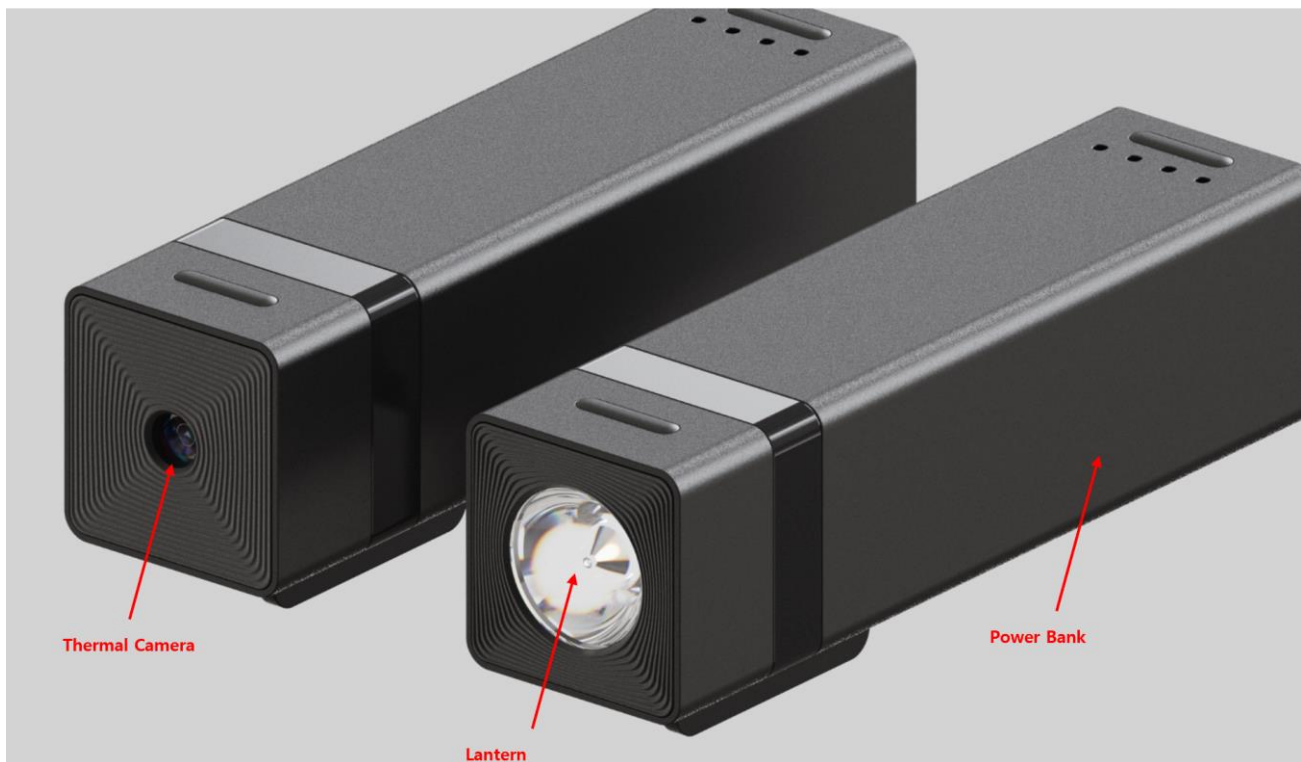
## 6. External Accessory

AR20SE has an external accessory that is including Thermal Camera, Lantern and Power Bank.

This accessory can be mounted on the left side of mounting accessories.

Between AR20SE and this accessory are connected by USB cable.

Thermal camera & Lantern can be swappable each other.



## 7. Inbox items

- 1) AR20SE: Main Device
- 2) External Accessory: Lantern and Power bank are as default.  
Thermal camera is an additional item.
- 3) USB cable: For charging.



### FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **SAR Information Statement**

Your AR Glasses is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for AR Glasses employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. \* Tests for SAR are conducted with the AR Glasses transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the AR Glasses while operating can be well below the maximum value. This is because the AR Glasses is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before an AR Glasses model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this AR Glasses when worn on the body, as described in this user guide, is 0.36 W/Kg (Body-worn measurements differ among AR Glasses models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various AR Glasses and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this AR Glasses with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this AR Glasses is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: 2BBXB-AR20SE Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. \* In the United States and Canada, the SAR limit for AR Glasses used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

The SAR test distance is 0mm.