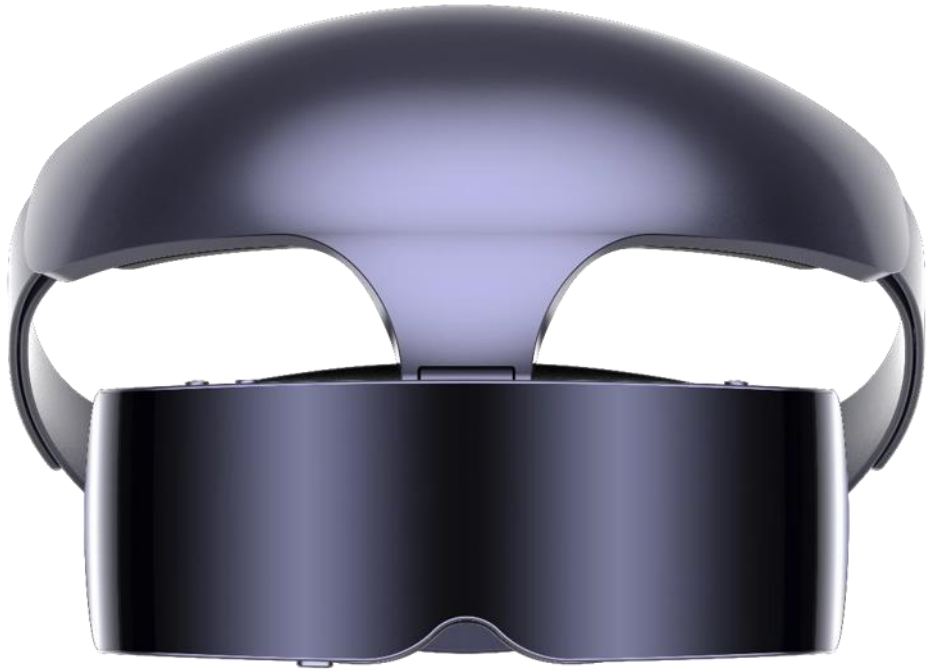
ALL-IN-ONE GLASSES WITH CONTROLLER





- Wireless Cast support

Miracast、DLNA 、Airplay

Mbox for Cast

- Electric Diopter adjust

Multi users support & easy use

Various adjusting mode

- Easy Use

Batery inside

WIFI & BT & BLE

IMU Sensor

Wear detection

- 4K Digital Cinema

200 inch@5 meter

1920*1200 resolution

90%DCI-P3

Stereo speaker

- Optical Design

Diopter range +2D ~ -8D

IPD 60 ~ 72mm

FOV 55°

PPD 42

- Thin & Light

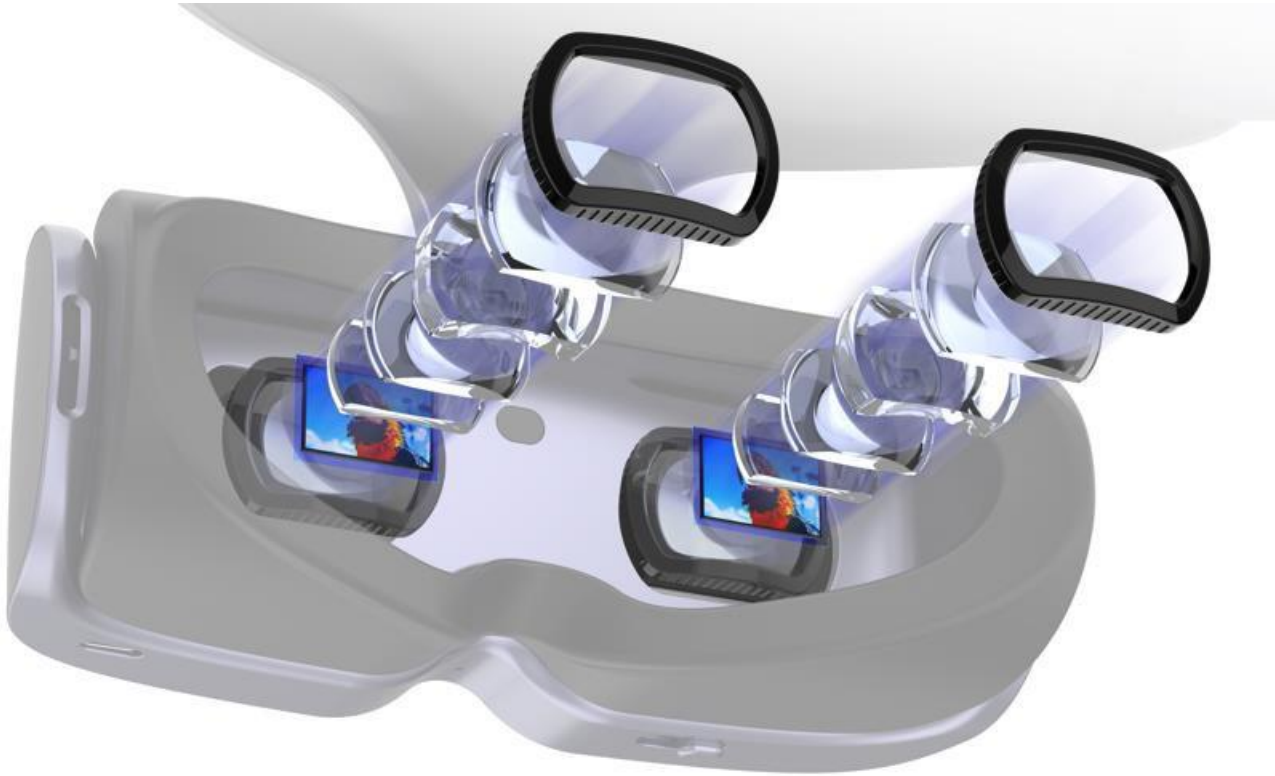
16.5mm thinkness

~300g Weight

Spec

SOTECH

Product Name		MGlass 1s
Product Model		MG1S
Main Config	Platform	RK3566
	CPU	Quad-Core Cortex-A55
	GPU	Mali-G52 1-Core-2EE
	RAM	2GB LPDDR4
	ROM	32GB eMMC5.1
	OS	Android 11



Display	Type	SeeYa Si-OLED
	Size	0.72'' (1920×1200)
	Quantity	* 2
	Aspect ratio	16:10
	Resolution	1920 × 1200 × 2 RGB
	Interface	MIPI
	Luminance uniformity	>85%
	Framerate	60Hz
Optical	Solution	Lensgroup type
	Diopter Range	2D ~ -8D
	IPD	60 ~ 72mm
	FOV	55° (0D)
	FOV Tolerance	<2°
	Luminace to eyes	400nits @ Center
	Chrmatic MTF	0F:>0.9@30lp/mm; 1.0F>0.5@30lp/mm
	Eyebox	8mm * 6mm
	Eyerelief	>12mm
	Diopter Tolerance	≤0.25D
	TV distortion	<3%
	Luminace efficiency	80%
	Virtual image distance	3~5m

Spec



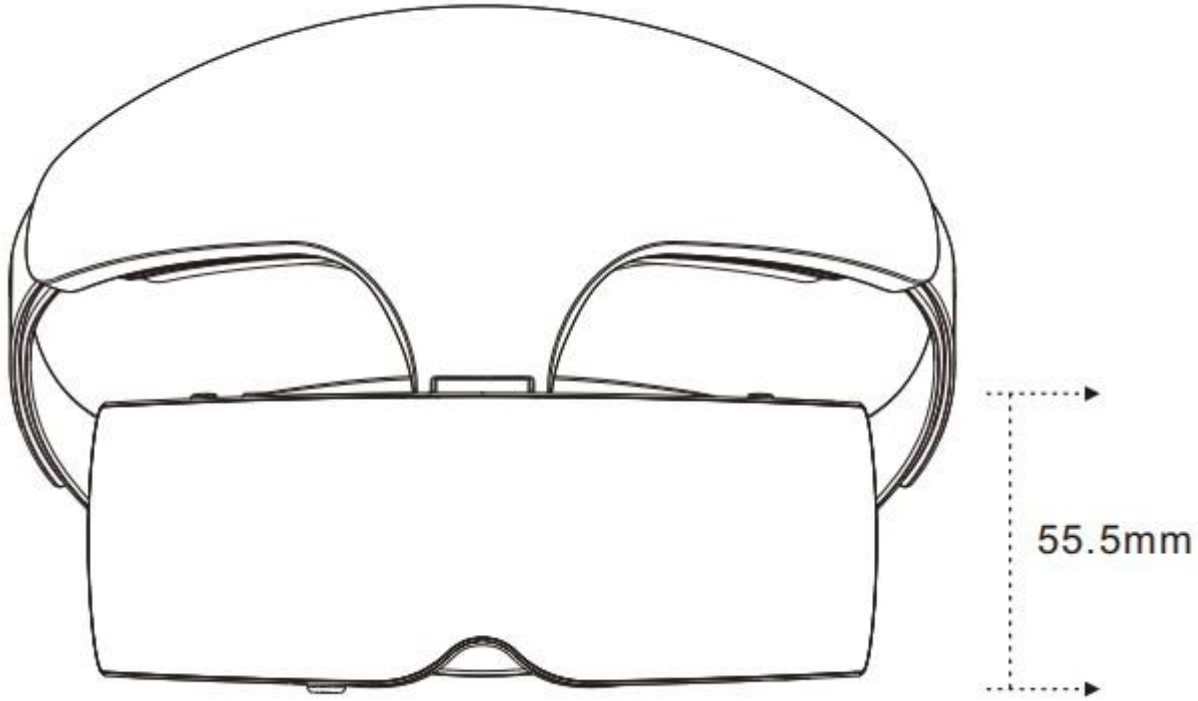
	Type	Speaker
	Quantity	* 2
	Power	1W
Audio	SPL	87dB (0.1W/0.1m)
	THD	< 5% (200-8000Hz)
	FR	F0< 350Hz
	EQ	Smart PA
Micphone	Quantity	* 2
	SN	60dB(1KHz S.P.L=1Pa)
Keys	Power key	Yes
	Function key	hot key * 2
Sensors	Acceleration	Yes
	Gyroscope	Yes
	Geomagnetism	Yes
	Psensor	Yes
I/O	Type-C USB 3.0	Yes，×1
	TF card	Yes，×1
LED	RGB Led	Yes

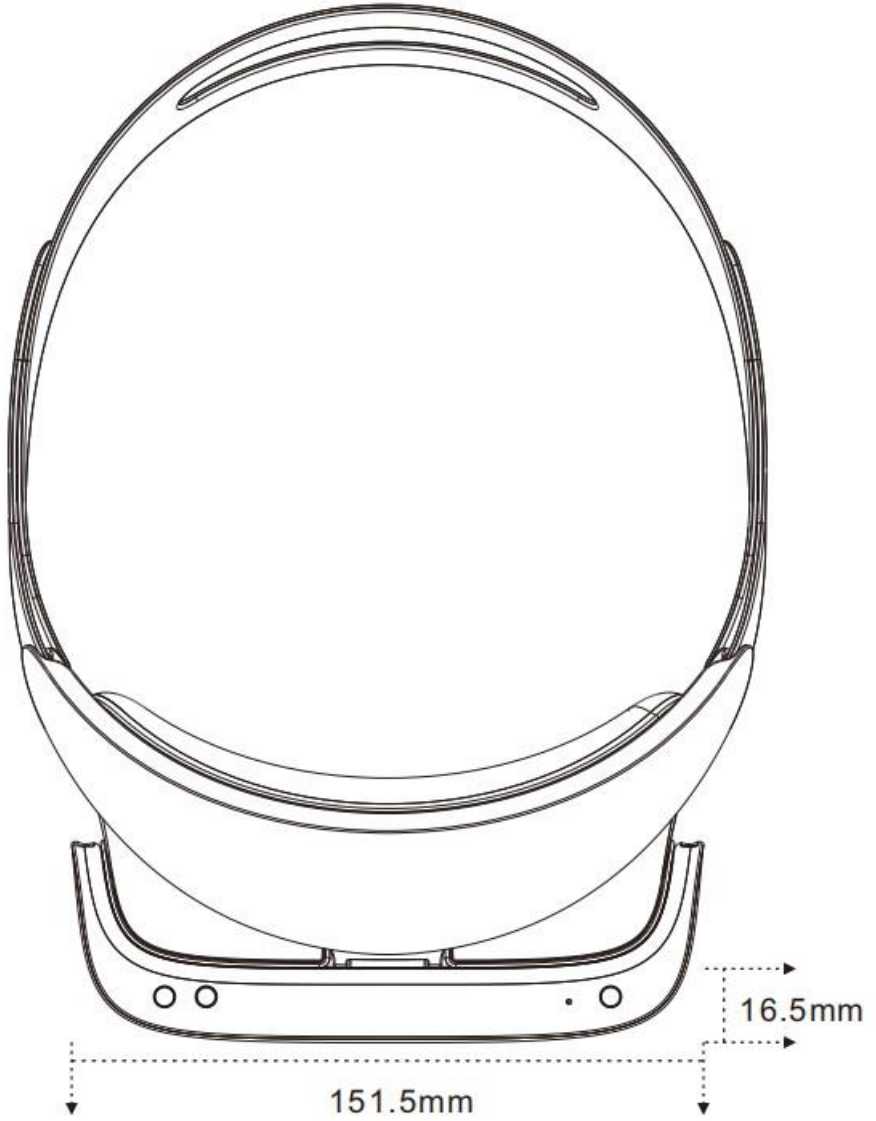
Spec



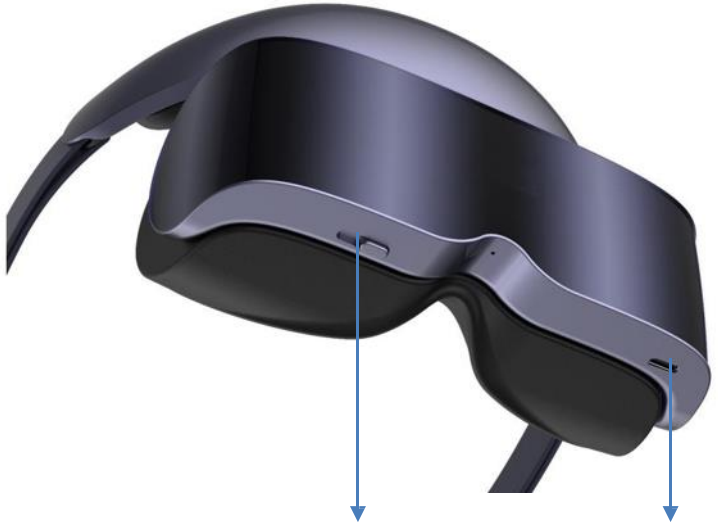
Net	BT&BLE	Yes
	WIFI5	2.4/5GHz 802.11 a/b/g/n/ac 2×2 MIMO
	Miracast	Yes
	DLNA&Airplay	Yes
	Android Cast	Yes
Multimedia	Video Container	MPEG 1/2/4,Sorenson H.263,H.263,H.264, HEVC/H.265, AVS,AVS+,Motion JPEG,VP8, VP9, RV30,RV40,
	Audio Container	MPEG1/2,AC3, EAC3,VORBIS,DTS,LPCM,LBR(cook),FLAC, DRA, DTS LBR,DTS XLL,AAC
	Photo	JPEG, PNG, BMP
Power	Battery	Yes
	capacity	3000mAh (removeable)
	Charge Parameters	5V-2.1A
	Working time	3Hours
	Power Consumption	<3W
Dimension		W 151.5 x H 55.5 x T16.5mm
Weight		300g

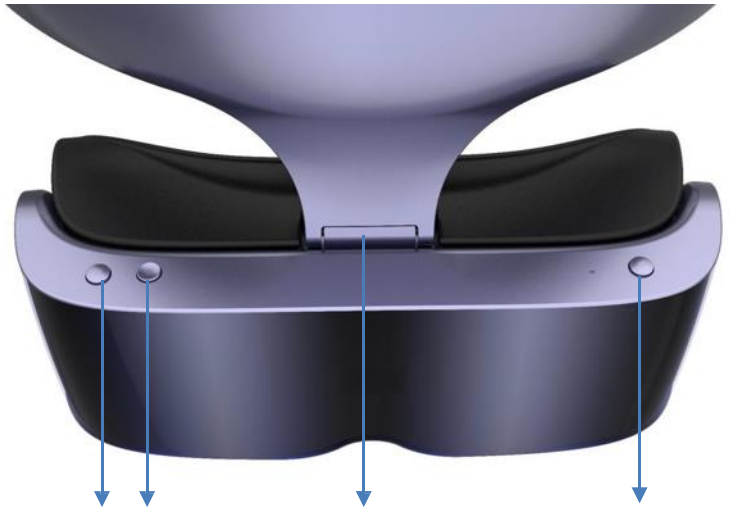
Glass Dimension： W 151.5 x H 55.5 x T16.5mm

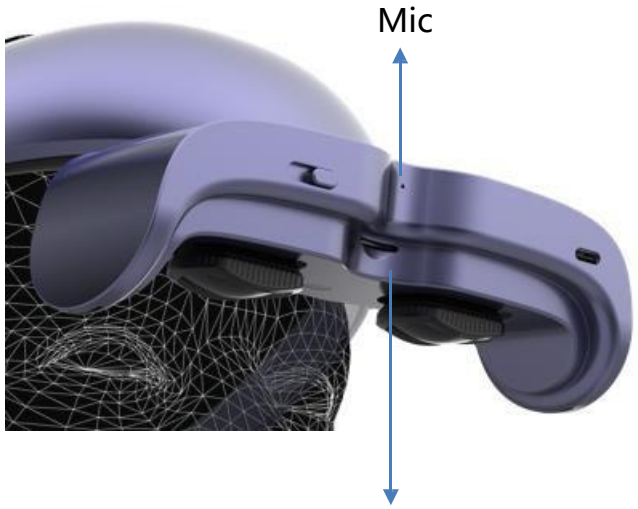




Interface introduce





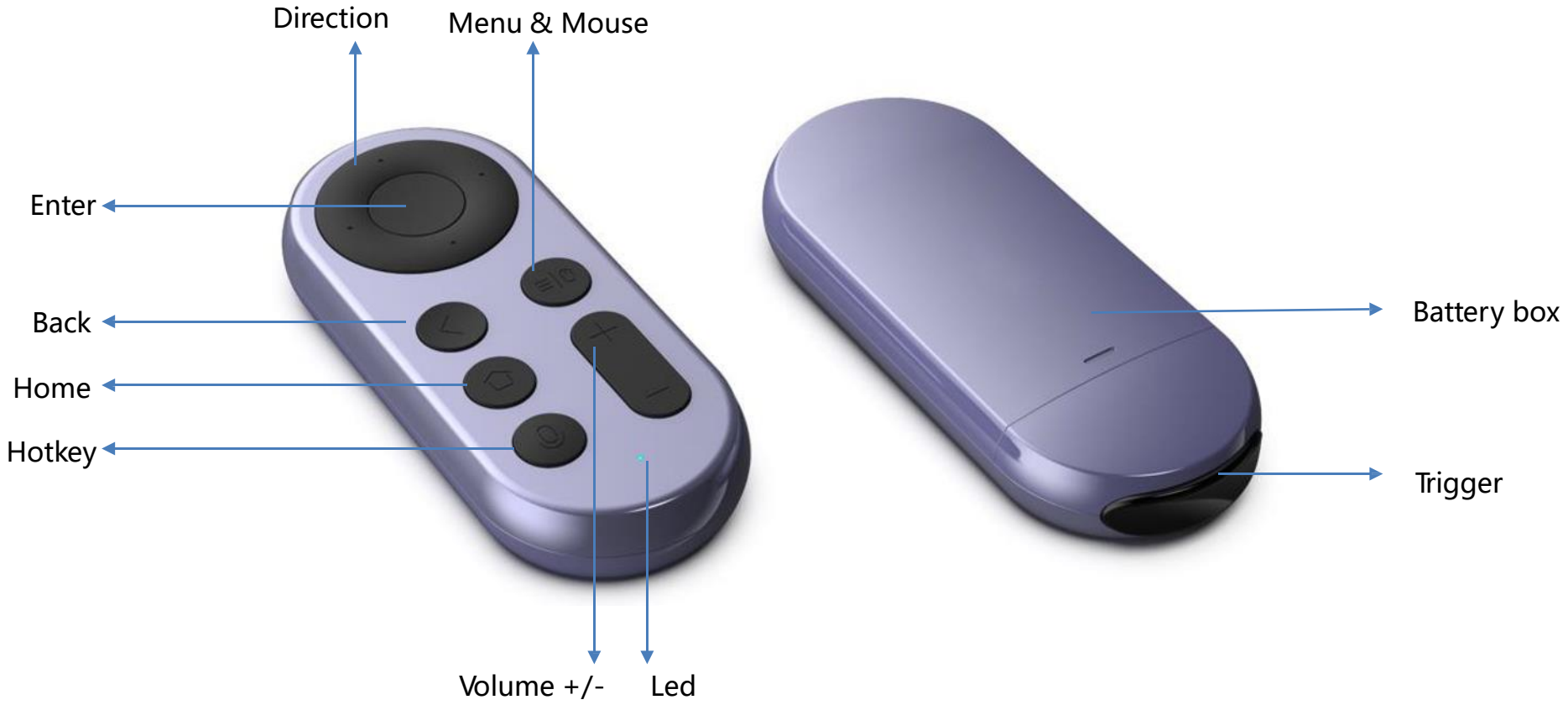




Basic Operations

1. **Hinge adjust**: Hinge adjust angle -15° ~ 75°, after wear the glass on the head, adjust the correct angle until clearly. Also you can make the hinge to 75° to see outside.
2. **Eyeshade install & remove:** this is Magnetic suction design, it is convenient to install or remove.

BT Controller introduce



Basic Operations

1. **Power on/off**: insert Battery into the Battery box, Controller will automatically power on. After 1 minute and not connected, it enter to Sleep mode.
2. **Auto Connected:** Press any key, Controller will auto connect the device if Previously connected.
3. **Pair mode：** Long Press Enter and Back key 3 seconds at the same time, Controller will enter into Pair mode with Led flash, host device can pair and connect it. If Pair it fail, the Led will keep flashing about 1 minute then enter Sleep mode.
4. **Mouse/Key mode switch:** Press the Menu key 3 seconds.

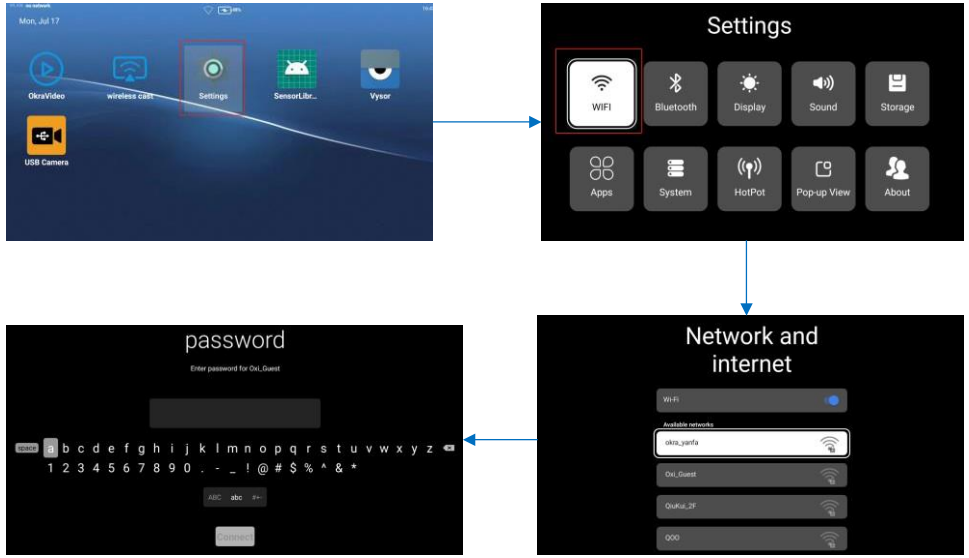
Package

- ✓ Glass x 1
- ✓ Controller x 1
- ✓ Battery x 1
- ✓ Eyeshade x 1
- ✓ Storagebox x 1









Basic Operations

1. **Power on/off:** Press Glass power key 3s to startup. After enter into Desktop, press Controller any key to startup and connect. BT controller will auto connect the device if Previously connected.
2. **Power/USB Data**: Support charging while using, and copy videos to device.

Connect to WiFi

1. Enter the Setting app.
2. Enter the WiFi.
3. Select the network.
4. Enter the Password.
5. Then you can watch videos locally or online

example



1. watch 3D video?

1. Download 3D video by yourself , And the video has a Condition its format must be “side by side” .
2. Turn on device and connect it to computer by USB TypeC port.
3. Copy the video to the device, the file path has no limit.
4. Play the video from OkraVideo APP , device will recognize 2D/3D automatically , and mark in the upper right corner.
5. If the mark of 3D is not displayed , long press the enter button to switch 3D mode manually.

example



2. watch Panoramic video?

1. Download Panoramic video by yourself , Only 2D&360° format are supported.
2. Turn on device and connect it to computer by USB TypeC port.
3. Copy the video to the fullvideo folder.
4. Play the video from OkraVideo APP.
5. Panoramic video can displayed with different angle of view by tracking your head attitude.

Thanks !

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