MESIONTECH

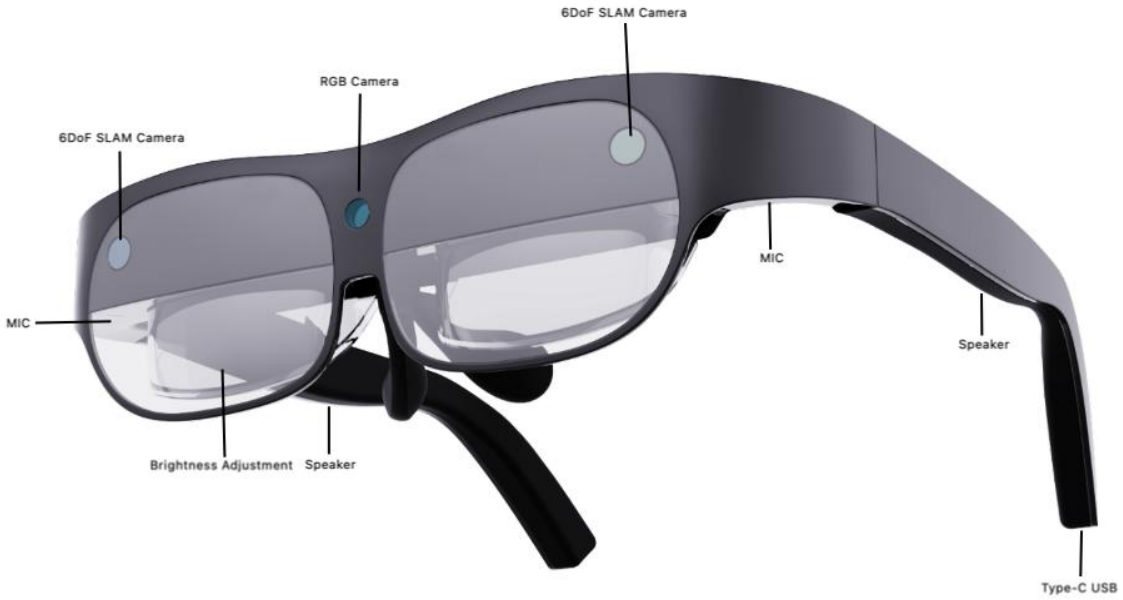
耀宇视芯

AR Glass Spec (XR31102)

Dimension Weight	Dimension	191mm(W)x160mm(L)x46.5mm(H)
	Weight	120g
Display	FOV	Birdbath, 47°
	Display	Micro OLED
	Display Size	0.68" inches
	Refresh Rate	60Hz-120Hz
	Resolution	3840 x 1200
	Screen Size	138 inches@4m / 210 inches@6m
	Brightness	Max 5000 nits
	Brightness Adjustment	5 Levels of Adjustment
	IPD	62mm、65mm、68mm
Camera	SLAM	OV7251 Fisheyes, IMU Fusion
	RGB	1080P, 30fps
Voice Recording	Microphone	Microphone x 2
Sound	Speaker	Stereo Speaker x 2
Interface	Data Transmission	Type-C USB
SLAM	Coprocessor	A1088, Mesiontech
	IMU Frequency	Max. 1000Hz
	SLAM	6 DoF
	6DoF Frame Rate	30-1000 fps
	SLAM Accuracy	Centimeter-level accuracy, about 0.3% drift
	Relocation Time	< 1 Second
Hand Gesture	FOV	150°（Diagonal）
	Number of Joints Per Hand	26
	Algorithm Function	Index finger click Thumb and index finger grab Zoom
	Recognition Accuracy	90%

3DoF Compute Box Spec (CB21211)

Processor	Model	Qualcomm XR2
OS	Version	Android 10
Size&Weight	Compute box Size	60mm(W) x 133.2mm(L) x 27.8mm(H)
	Weight	220g
Storage	RAM (LPDDR5)	8GB
	ROM (UFS3.1)	128GB
Interface	Type-C USB	Full Function Type-C USB Support DP1.4、PD3.0、USB3.1
Connectivity	WiFi / Bluetooth	WiFi6、BT 5.1+LE
	LAN Access	NFS4.2, Samba3.1
Interaction Method	Ray Control	3DoF Ray
IMU	Type	Gyro Sensor、Acceleration and magnetic induction
LED	Power Indicator	Supported
(RGB)	Charging/Power Level Indicator light	Supported
Battery	Max PWR Dissipation	10W
	Type	Soft-Pack Polymer Lithium
	Capacity	5000 mAh
	Heat Dissipation	Active fan temperature control cooling
	Operating Tmp. range	0℃ to 35 ℃
Compute Box (Buttons)	Charging/Battery LED	
	Power	
	Confirm	
	Up/Down/Left/Right	
	Cursor Reset	
	Back	
	Volume +/ Volume -	
	Type-C	


6DoF SLAM Camera
RGB Camera
6DoF SLAM Camera
MIC
MIC
Speaker
Brightness Adjustment
Speaker
Type-C USB

Power LED
Confirm
Navigation
Power ON/OFF
Back
Volume
Cursor Reset
Full Function Type-C