# SeerLens™ B50R AR Glasses

## Complete AR solution for commercial use

## Package

SeerLens™ B50R

SeerPad™ One

Xvisio AR Foundation

AI Tool Chain

## Optical Spec

| Item | Spec | Remark |
|---|---|---|
| Optical Combiner | Birdbath | |
| Display Panel | 1920x1080x2 | Si-OLED, 3000nit |
| Frame Rate | 60fps | |
| FOV | 47° | Diagonal |
| IPD | 63mm | |
| Eye Relief | 20mm | |
| Contrast | 500,000:1 | |
| Transmittance | 25% | |

## System Spec

| Item | Spec | Remark |
|---|---|---|
| **Processor** | **Intel Movidius VPU** | |
| **Cameras \| Sensors** | | |
| -Stereo Mono Fish Eye | 640x480, DFOV166°, 50 fps | 2 camera system |
| -RGB | 13M, DFOV79°, 30fps | |
| -IMU | 9 Axis 1000Hz | |
| **SLAM Engine** | **1000Hz, 6DoF\|3DoF** | **On board, Multiple modes** |
| **Depth Engine** | TOF HQVGA 30fps | **0.2-4m 1%** |
| **Audio Engine** | Stereo SPK\| Mic | UAC API for Voice control |
| **Display Engine** | 2D\|3D mode, 1080P x2 | Video over DP with USB Type C |
| **AI Engine** | On Board HW engine | OpenVINO model deployment |
| **Power consumption** | <5W | USB-C 2A Peak |
| **Interface** | USB Type C | DP output\| USB input \|Power |
| **Weight \|Size** | <260g \| 268Lx191Wx80H | LxWxH(mm) |
| **Computing Pack \| OS** | **Rockchip 3588s\|Seer AR OS** | **7.8V 4700mAh Battery** |
| **SDK** | Xvisio AR foundation on Unity | SLAM, Plane detection, Mapping |

*Innovating machine perception capability beyond human capacity*

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# SeerLens™ B50R AR Glasses

## Key Benefits

- Crystal clear FHD display with ultra-contrast for outdoor use
- Rugged and compact for both industrial and commercial use
- Plug and play for 5G mobile phone, laptop, computing pack
- **On board SLAM** for accurate head tracking
- **On board AI engine** can deploy 100+ models with one click
- **OpenVINO tool chain** to enable custom model training easily
- Low power and light weighted for long time operation
- Easy development environment with standard USB interface
- Feature rich Unity development kit for contents creation
- Forehead support for population with spectacles
- Intuitive 21 joint-point 3D hand gesture for easy control



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