

SeerLens™ One AR Glasses

USB-C tethered cross-platform AR glasses with on board SLAM

Package



SeerLens™ One



Computing Pack



Xvisio AR Foundation

Optical Spec

Item	Spec	Remark
Optical Combiner	Free form Prism	EPSON VM40
Display Panel	1920X1080X2	Si-OLED, 1000nit
Frame Rate	60fps	
FOV	34°	Diagonal
IPD	63mm	
Eye Relief	18mm	
Contrast	500,000:1	
Transmittance	40%	

System Spec

Item	Spec	Remark
Processor	Intel Movidius VPU	
Cameras Sensors		
-Stereo Mono Fish Eye	640X480, DFOV166, 50 fps	UVC API for SLAM Imaging
-RGB	13M AF, DFOV70, 30fps	UVC API for Video Capture
-IMU	6 Axis 1000Hz	HID API
SLAM Engine	1000Hz, 6DOF 3DOF	On board, Multiple modes
Depth Engine	Passive Stereo Depth	
Audio Engine	Stereo SPK Mic 3.5mm Earphone CTIA	UAC API for Voice control Mic with AI Noise Cancel
Display Engine	2D 3D mode, 1080P X2	Video over DP with USB Type C
Power consumption	<5W	USB-C 2A Peak
Interface	USB Type C	DP output USB input Power
Weight Size	<245g 285Lx197Wx34H	No Cable, LxWxH(mm)
Computing Pack OS	Snapdragon 845 AR OS	8000mAh Battery
SDK	Xvisio AR foundation on Unity	SLAM, Plane detection Map sharing, Anchoring

Innovating machine perception capability beyond human capacity

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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 spatial interaction with no host burden
- 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
- Gesture and AI recognition for easy control

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