SeerLens™ One AR Glasses

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

Package

SeerLens™ One

SeerPad™ One

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	VSC API
-RGB	13M AF, DFOV81°, 30fps	UVC API
-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 Mic with AI Noise Cancellation
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	204g|285Lx197Wx34H	No Cable and Forehead Support	LxWxH(mm)
**Computing Pack	OS**	Rockchip 3588s	Seer AR OS	7.8V 4700mAh Battery
SDK	Xvisio AR foundation on Unity	SLAM, Plane detection Map sharing, Anchoring

Innovating machine perception capability beyond human capacity

www.xvisiotech.com | +86 21 5290 0903 | contact@xvisiotech.com

SeerLens™ One 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 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