

SlimEdge AR HMD-W40R

A spatial perception, interaction, and AI platform for AR

W40R Package



SlimEdge AR HMD



SlimEdge CP
Computing Pack



Xvisio SlimEdge
AR Foundation



Unity/AR Studio

Optical Spec

Item	Spec	Remark
Optical Combiner	Wave Guide	Wave Optics
Display Panel	1280X720 X2	DLP Projector
Frame Rate	60fps	
FOV	40°	Diagonal
IPD	63.5mm	Fixed IPD
Eye Relief	25 mm	
Luminance	800 nit	Max
Transmittance	>80%	

System Spec

Item	Spec	Remark
Processor	Intel Movidius VPU	
Cameras Sensors		
-Stereo Fish Eye	VGA, HFOV130, 100fps	Mono, Global shutter
-RGB	13M, DFOV80, 30fps	H.265, JPEG supported
-TOF	HQVGA, DFOV70, 30fps	0.2-4m, 1% accuracy
IMU	9 Axis	1000Hz
MIC	Stereo Build-in	Noise Cancel
Speaker	Stereo Build-in	8 ohms
Touch Pad	Single finger slide	Auto calibration
Head Phone	3.5mm; MIC supported	CTIA standard
Button	Switch Key	Function adjustable
ALS		Option
PS	Build-in IR Led (940nm)	System sleep
SLAM Engine 6DOF	500-1000Hz, mm accuracy	On board, Multiple modes
Depth Engine	TOF Stereo	High accuracy High Speed
AI Engine	Hardware CNN engine	Edge Inferencing
CV Engine	On Edge On Host	Open CV support
Power consumption	<5.5W	Depends on display brightness
Interface	USB Type C	DP for video output
Weight Size	<420g 293X180X93mm	LxWxH(mm)
Computing Pack OS	Snapdragon 845+5G Nibiru	8000mAh Battery

Innovating machine perception capability beyond human capacity

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