

SlimEdge XR Starter Kit-D90

A spatial perception, interaction, and AI platform for AR

Starter kit Package



**SlimEdge XR
AR HW engines**



**SlimEdge CP
Computing Pack**



**SlimEdge SDK
AR/AI/CV SDK**



**SlimEdge TC
Tool Chains**

Optical Spec

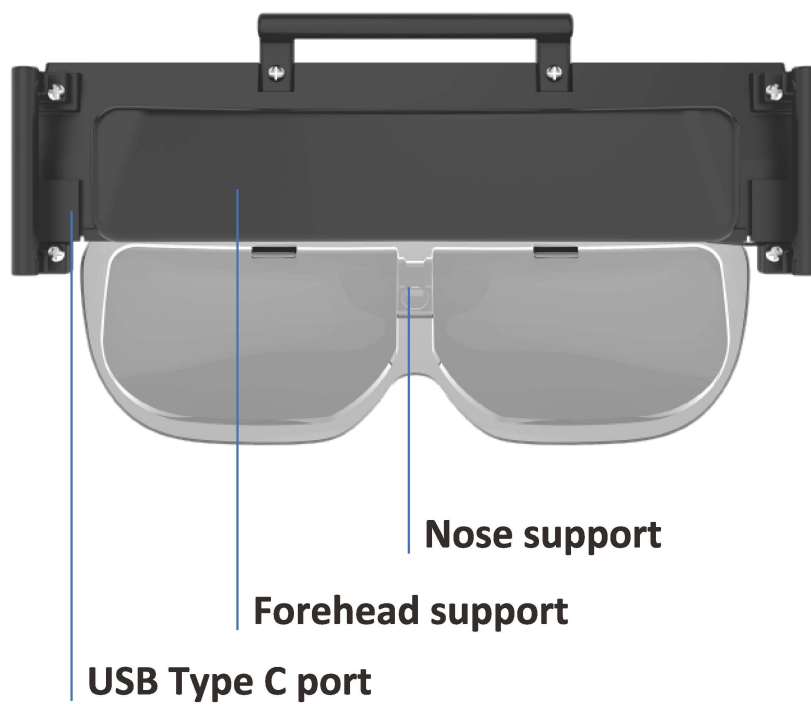
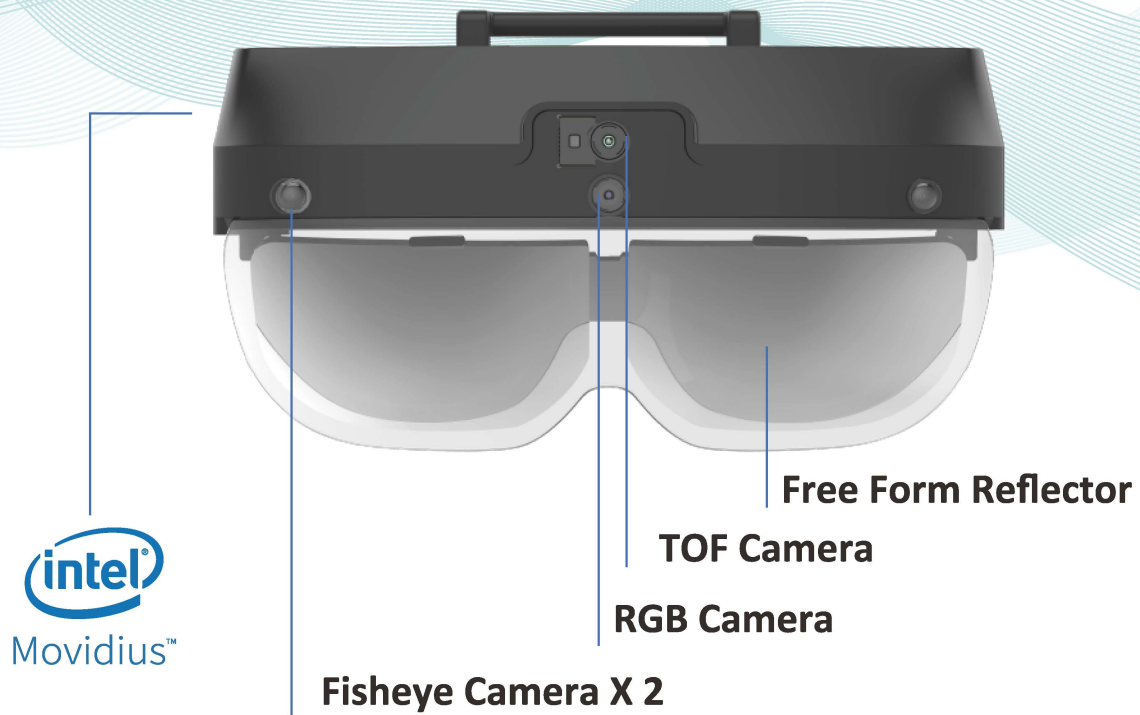
Item	Spec	Remark
Optical Combiner	Wave Guide	
Display Panel	1920X1280X2	
Frame Rate	60fps	
FOV Eye Box	90° 15X15mm	Diagonal
IPD	55-70mm	Adjustable IPD
Eye Relief	55 mm	
Luminance	500 nit 300 nit	At display At eye
Transmittance	>80%	

System Spec

Item	Spec	Remark
Processor	Intel Movidius VPU	
Cameras Sensors		
-Stereo Fish Eye	VGA, HFOV130, 100fps	Mono, Global shutter
-RGB	13M, DFOV70, 30fps	H.265, JPEG supported
-TOF	HQVGA, DFOV70, 30fps	0.2-4m ,1% accuracy
IMU	6 Axis	1000Hz
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	<5W	Depends on display brightness
Interface	USB Type C	DP for video output
Weight Size	TBD 151X74X88mm	LxWxH(mm)
Computing Pack OS	Snapdragon 835 845+5G	6000mAh Battery Nibiru

Innovating machine perception capability beyond human capacity

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



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