

SlimEdge XR Starter Kit-B50

A spatial perception, interaction, and AI platform for AR

Starter 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	Birdbath Optics	Huynew Optics
Display Panel	1920X1080X2	Sony 0.7" OLED
Frame Rate	60fps	
FOV	50°	Diagonal
IPD	63mm	
Eye Relief	20mm	
Luminance	300 nit	Max
Transmittance	30%	

System Spec

Item	Spec	Remark
Processor	Intel Movidius Myriad X	4T computing power
Cameras Sensors		Optional Thermal Camera
-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	9 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	<120g 143x42x63 mm	LxWxH(mm)
Computing Pack OS	Snapdragon 835 Nibiru	6000mAh Battery

Innovating machine perception capability beyond human capacity

