

Hardware Spec	
CPU:	Rockchip RK3399. big.LITTLE, Dual-Core Cortex-A72(up to 2.0GHz) + Quad-Core Cortex-A53
GPU:	Mali-T864 GPU, supports OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11, and AFBC
VPU	4K VP9 and 4K 10bits H265/H264 60fps decoding, Dual VOP, etc
DDR3 RAM:	Dual-Channel 4GB LPDDR3
Storage:	16GB eMMC 5.1 Flash
Network:	Native Gigabit Ethernet
WiFi:	802.11a/b/g/n/ac, Bluetooth 4.1, Wi-Fi and Bluetooth combo module, dual antenna interface
Antenna Interface:	dual antenna interface
Audio input/output Port	3.5 mm audio jack / via HDMI,DVP Camera/MIPI-CSI (two camera interfaces),HDMI Type-A / LVDS / Parallel RGB-LCD / MIPI-DSI (four video output interfaces)
Bluetooth:	Bluetooth 4.1,Wi-Fi and Bluetooth combo module, dual antenna interface
Microphone:	onboard Microphone
LCD Interface:	one eDP 1.3 (4 lane, 10.8Gbps) , one 4-Lane MIPI-DSI
HDMI:	HDMI 2.0a, supports 4K@60Hz, HDCP 1.4/2.2
GPIO:	1 X 3V/1.8V I2C, up to 2 x 3V UART, 1 X 3V SPI, 1 x SPDIF_TX, up to 8 x 3V GPIOs; 1 x 1.8V I2S, 3 x 1.8V GPIOs
Serial Debug Port:	one Debug UART, 4 Pin 2.54mm header, 3V level, 1500000bps
LED:	1 x power LED and 1 x GPIO Controlled LED
RTC:	2 Pin 1.27/1.25mm RTC battery input connector
PCB Dimension:	Ten Layer, 100 mm x 64 mm
Power:	DC 12V/2A
Working temperature:	-20°C to 70°C