

2. Specifications

Basic Specifications	
SOC	RockChip RK3566
CPU	Quad-core 64-bit Cortex-A55, 22nm lithography process, frequency up to 1.8GHz
GPU	ARM G52 2EE Supports OpenGL ES 1.1/2.0/3.2. OpenCL 2.0. Vulkan 1.1 Embedded high-performance 2D acceleration hardware
NPU	0.8Tops@INT8, integrated high-performance AI accelerator RKNN NPU Supports one-click switching of Caffe/TensorFlow/TFLite/ONNX/PyTorch/Keras/Darknet
VPU	Supports 4K 60fps H.265/H.264/VP9 video decoding Supports 1080P 100fps H.265/H.264 video encoding Supports 8M ISP
RAM	1GB / 2GB / 4GB / 8GB LPDDR4 32Bit,supports all-data-link ECC
Storage	8GB / 16GB / 32GB / 64GB eMMC Supports 2242 NVMe SSD (M.2 PCIe 2.0) TF-Card Slot x1 (Expand with TF card)
Hardware Features	
Ethernet	1×GbE (RJ45, 1000 M bps)
WiFi	Supports 2.4GHz/5Gz dual-band WiFi (802.11 a/b/g/n/ac) Supports BT5.0
Display	1 × HDMI2.0. Supports 4K@60fps output
Audio	1 × HDMI audio output 1 × Earphone output
Power	5V (Via Type-C port)
Interface	1×HDMI2.0, 1×USB3.0, 1×USB2.0, 1×Type-C(OTG)
OS / Software	
OS	Android 11.0, Ubuntu 18.04, Buildroot + QT, Station OS
General	
Size	93.5mm × 82mm × 20mm
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Storage Humidity	10% ~ 80 %

3. Size



4. Interface definitions

