VIM1(V14) Specifications

Model	Basic	Pro
SoC	Amlogic S905X 1.5 GHz 64Bit Quad Core ARM Cortex-A53 750MHz+ Penta Core Mali-450 GPU HW UHD H.265/VP9 60fps 10bit video decoder HDR10 and HLG HDR video processing	
MCU [1]	STM8S003 with Programmable EEPROM	
DDR3	2GB	
EMMC 5.1	8GB	16GB
Wi-Fi	AP6212 (b/g/n)	AP6255 (b/g/n/ac)
Bluetooth	Bluetooth 4.2	
LAN	10/100M	
TF Card	Molex Slot, Spec Version 2.x/3.x/4.x(SDSC/SDHC/SDXC)	
USB HOST	x2 (900mA & 500mA Load)	
USB Type-C	USB2.0 OTG & 5V DC IN	
VIN Connector	System Power Input	
HDMI	Type-A Female HDMI2.0b transmitter with 3D, HDR, CEC and HDCP 2.2 support	
IR Receiver	2 Channels	
RTC & Battery Header	0.8mm Pitch Header	
Cooling Fan Header	4-Pins 0.8mm Pitch Header, with PWM Speed Control	
LEDs	Blue LED x1, White LED x1	
40-Pins Header(2.54mm)	USBx2, I2Cx2, UARTx2, I2S, SPDIF, PWM, ADC, GPIOs	
Buttons	x3 (Power / Func / Reset)	
XPWR Pads	For External Power Button	
Mounting Holes	Size M2 x 4	
Board Dimensions	82.0 x 58.0 x 11.5 mm	
Board Weight	28.5g	
Linux	Mainline Linux (Linux 5.0+)	
Bootloader	Mainline U-Boot	
Linux Distros	Ubuntu 18.04+ / Armbian	
Android	Android Pie (9.0)	
Khadas Only	Khadas TST [2]	
	Fenix Script [3]	
Certifications	CE, RoHS	

[1] MCU: Power management, EEPROM for customization.
[2] The Khadas TST feature enables developers to enter upgrade mode easily: simply press the function key 3 times within 2 seconds, and it works even if the boot loader is damaged.
[3] Fenix Script: One-click script for building of Linux Distributions.