

VK-RZ/A2M

ver. 1.0

Embedded camera to USB/Wi-Fi/BLE
small form factor module with
Renesas Electronics RZ/A2M ARM Cortex-A9 LSI

R7S921051VCBG

- 528MHz, 256pins BGA, Fanless

4 MByte OnChip RAM

- Can RUN without ext. SDRAM

HyperRAM 64 MB on board

- 132MHz, 8-bit

HyperFLASH 64 MB on board

- 132MHz, 8-bit

1 x USB Function

- USB 2.0, Micro USB connector

Micro SD

- SDHI1

User interface

- LED
- Push button

MIPI camera interface

- AR1335 15Mpix 1920x1080, up to 60fps, horizontal angle 98 degrees, vertical angle 75 degrees

Audio codec MAX9867ETJ+

- 3.5 mm, 4 pole audio input / output jack

Wi-Fi / BLE

- Pre certified ESP32 wireless module

Exp. Ports

- RZ/A2M - 14 I/O 3.3V
- UART, I2C, SPI, ADC

Debug ports:

- RZ/A1 J-TAG 2x5 pins, Coresight™

DC IN +5V

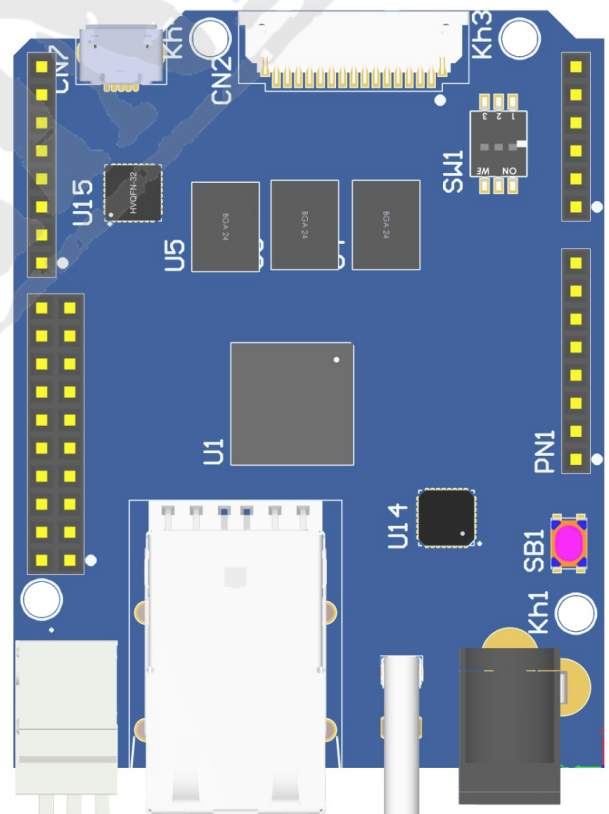
- Consumption 250mA max

Operating temperature:

- -40 ... +85°

Dimensions:

- 45 mm x 45 mm
- Mounting holes 4 x Ø2 mm (40 mm x 40 mm)



Samples will be available by the end of Dec 2021

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Vekatech Ltd.

63, Nestor Abadzhiev str.
4023 Plovdiv
Bulgaria
Tel.: +359 (0) 32 262362
info@vekatech.com

www.vekatech.com

