

VK-RZ/A1R3

ver. 1.1

ARDUINO UNO rev3 form factor
Renesas Electronics RZ/A1LU ARM Cortex-A9 LSI

R7S721030VCFP

- 384MHz, 176 QFP, Fanless

3 MByte OnChip RAM

- Can RUN without ext. SDRAM

16 MB on board NOR-Flash

- QSPI, 64MHz, Quad (Burst), 4-bit
- Execute in place (XIP)

RTC on board

- Battery holder (1220)

1 x USB Host/Function

- USB 2.0, Type C connector

Micro SD

- SDHI1

User interface

- LED (Red & Green)
- Push button

CMOS camera interface

- KBCR-M04VG-HPB2033VGA 640x480, up to 60fps, horizontal angle 98 degrees, vertical angle 75 degrees

Communication Ports

- USB
- CAN
- RJ45
- RS485

Exp. Ports

- ARDUINO UNO form-factor (rev3)
- 1 Extra header (8 I/O RZ/A1LU pins)

Debug ports:

- RZ/A1 J-TAG 2x5 pins, Coresight™
- MBED DAPLink (Composite CDC, MSC, HID)

DC IN +(5 ... 24)V

- Consumption 500mA max

Operating temperature:

- -40 ... +85°

Dimensions:

- 53 mm x 68 mm
- Mounting holes 4 x Ø3,2 mm

