



Features

- Kneron KL520 NPU (Designed by ARM architecture)
- Mini card (USB2.0 interface, Full size)
- Accelerator for AI Edge Computing
- Good for people monitoring, retail application



Specifications

| System | |
|---------------------------|---|
| IC | Kneron KL520 |
| Type | Integrated SoC |
| Support Framework | ONNX, TensorFlow, Keras, Caffe |
| Support Model | Vgg16, Resnet, GoogleNet, YOLO, Tiny YOLO, Lenet, MobileNet, DenseNet |
| Memory Type | LPDDR2 |
| NPU Performance | 0.35 TOPS |
| Overall Power Consumption | 0.5 W |
| Others | |
| Operating Temperature | 32°F ~ 158°F (0°C ~ 70°C) |
| Storage Temperature | -40°F ~ 185°F (-40°C ~ 85°C) |
| Operating Humidity | 0% ~ 90% relative humidity, non-condensing |
| Certification | CE/FCC Class A |

Packing List

- M3 screw x 2
- M2AI-2242-520 x 1

Optional Accessories

- EverFocus Full HD Camera EUA1200

Ordering Information

| Part Number | Description |
|------------------------|---|
| PER-T520-M2AI-A11-0421 | AI.NPU 520.M.2 2242(USB interface).A1.1 |
| PER-T520-M2AI-A11-K421 | AI.NPU KL520.M.2 2242.w/ HD Camera.A1.1 |

AI Architecture

