

IOTTech UBi-K01 is a Plug and Play Kit for AI inferencing. When you're developing a smart camera solution, a smart access door control system, an industrial robot, the IOTTech UBi-K01 offers what you need. IOTTech UBi-K01 looks like a standard USB thumb drive hides much more inside which features the neural compute engine—a dedicated hardware accelerator for deep neural network inferences.

Features:

- [Edge AI technology](#)
- [Face detection](#)
- [Face Recognition](#)
- [Object detection](#)
- [Object Recognition](#)
- [People counting](#)
- [Human detection](#)

UBi-K01

USB AI Stick



Processor	ARM Cortex-M4@200MHz for system control ARM Cortex-M4@250MHz as AI co-processor
NPU	Maximum Frequency @ 300 MHz Peak Throughput of 8-bit mode: 345 GOPS,576MAC/cycle
Flash	Up to 64 MB SPI NOR flash
Memory	64MB
Peripheral Interface	USB 2.0 Type-A
Supported AI framework	TensorFlow/ Caffe/ Keras/ Pytorch
Dimension	67 X 25 X 11 mm
Weight	20g
Working temperature	0° C to 45° C
LED	Status
Button	Reset
Demo AI Algorithm	FDFR