IoTone 写真*Shashin Go Concept 1

Wearable AI Camera

The Shashin Go Concept 1 is an Open Source Hardware design for AI data capture.

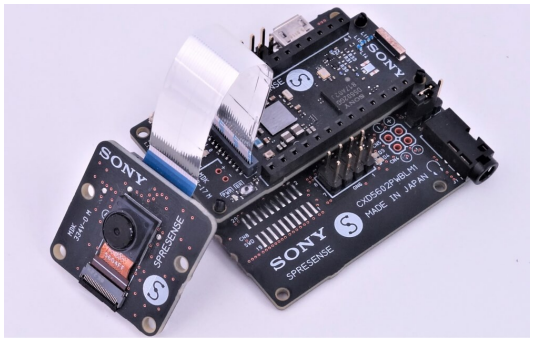
- Open Source software provided gives the user complete control over the camera resolution and data format
- Software is available on Github and can be reflashed with alternative firmware using either Arduino or the Sony Spresense SDK
- Ships in camera mode, able to capture photo streams and save data to an SD card
- Alternative firmware provides Tensor Flow Lite based Person Detection

Sony Spresense platform

This platform features a 6-core MCU and a 5MP camera. It is well suited for IoT and AI applications, yet has the simplicity of the Arduino ecosystem.

About IoTone

IoTone offers both IoT products and professional services. IoTone's hardware offerings in combination with our expertise in IoT, use of Open Source, and partner network, allow us to offer low cost solutions. We think that customers win long term because and customized, ensuring lack of IP concerns, long term support, and transparency in our design.

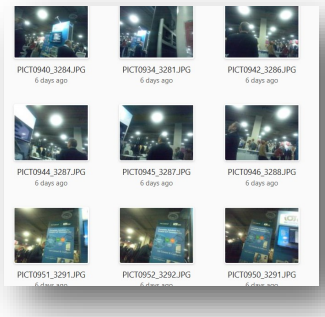


Overview

IoTone Shashin Go Concept 1 is a DIY maker platform for creating your own wearable or stationary AI camera. The Sony Spresense platform is the basis for the design. This will be a limited production run in small quantities. It has not been scaled to fit in a small package or reduce costs, but it works well for the intended purpose. There is the possibility to customize the design, so feel free to contact us with ideas and pricing. Buyers of this early concept will be entitled to get discounts on future designs of the Shashin Go which will reduce the size and improve the UX.

For Sales & Information: info@iotone.io

http://www.iotone.co



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Platform Hardware Specs:

- Sony Spresense Main Board (CXD5602PWBMAIN1_FG_875607611_P)
- Sony Spresense Expansion Board (CXD5602PWBEXT1_FG_875607608_P)
- Sony Spresense 5MP Camera (CXD5602PWBCAM1_FG_875607605_P)
- SDCard Slot for up to 32GB cards
- 3D Printed Case for durable and convenient use and customization
- Front Facing "Live" red LED indicates when the camera is running
- The large green button provides an easy on/off toggle
- Onboard USB Micro is used for 3-5V power supply (exsternal). This ensures you can decide how you want to power the device.

IoTone Shashin Go Software Overview:

- Aruduino Programming Environment compatible makes it easy to customize
- More complex designs using Tensor Flow AI are available via the Spresnse SDK (Apache Nuttx based RTOS)
- Most aspects of the camera can be controlled via software (with the exception of focus, which is fixed/manual)
- Software updates will be available for manual update via Github
- The default software organizes the image data on the SD card into sets, and numbered, so that it can easily be sorted sequentially.
- No apps or software are needed to operate the camera.