

Touchless Interface for the future computing society

For Self-Driving, Personal Mobility, Robots, AI, IoT, xR, Surveillance and Smart Device developments. Stereo Vision 3D sensor as your next choice.



make it touchless with **aeroTAP**

aeroTAP 3D USB Camera (Stereo Vision, Color/Depth Image)

In our stereo vision 3D sensor, depth calculation, synchronization between color image and depth image, and mapping processing are processed by IC chip with built-in module. You can connect with USB 2.0 / 3.0 Bus power, and connect multiple sensors simultaneously.



Usage

- Robots
- Sensor for ADAS
- Interface for xR contents
- Real Time 3D reconstructions and analysis
- 3D digital contents
- Interactive digital contents
- Surveillance, Security
- People counting
- Analyzing Human activity
- Games

3D Sensor Specification

aeroTAP 3D USB (3cm baseline)

- Base Line: 3cm, Depth Range: 25cm to 2.5m
- Interface: USB2.0/USB3.0 MicroB Female
- Depth Image: 320x240, 640x480, 640x400*1
- Color Image: 320x240 to 1280x720
- Image Sensor: 1296x812
- Shutter Type: Rolling Shutter
- Sensor Size: 1/4
- FPS: 3/10/15/30/60
- Power Source: USB Bus Power (5V/500mA, 5V/600mA)
- FOV: 63.2
- UVC1.1 Compatible
- Synchronization of Left/Right color image and depth image
- Lens Type: Type A /w IR Cut Filter
Type B /wo IR Cur Filter

*1 Need customization

aeroTAP 3D USB GS (6cm baseline)

- Base Line: 6cm, Depth Range: 25cm to 4m
- Interface: USB2.0/USB3.0 MicroB Female
- Depth Image: 640x480, 1280x720
- Color Image: 640x480, 1280x720, 2560x720, 2560x960
- Image Sensor: 1280x960
- Shutter Type: Global Shutter
- Sensor Size: 1/3
- FPS: 3/10/15/30/60
- Power: USB Bus power (5V/500mA, 5V/800mA)
- FOV: 80
- UVC1.1 Compatible
- Synchronization of Left/Right color image and depth image
- Lens Type: Dual Band IR Cut Filter (0~650 nm, 850nm)

