Touchless Interface

aeroTAP®

www.aeroTAP.com

aeroTAP, Touchless Solution for the Future

With aeroTAP Touchless interface, you can interact with devices by displaying the palm of your hand toward the webcam.
aeroTAP works with any existing application and it does not require learning development skills. aeroTAP interface enables user to interact with any devices without using keyboard, mouse or touch panel.

aeroTAP Evolution

aeroTAP enables users to interact intuitive touchless operation with digital devices by just connecting aeroTAP 3D sensor. It is designed to minimize CPU resource consumption and maximize the effective function.

Optimal Touchless Solution

- No special application required

- Ability to use existing application

- Minimizing CPU resource consumption

- Intuitive navigation for 3D contents

- Pointing with hand or fingertip

- No need to use mouse or keybord

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

With our stereo vision 3D sensor, following will be processed by built-in IC chip within the module : depth calculation, synchronization between color image and depth image, and mapping processing. It is possible to connect multiple sensors simultaneously.
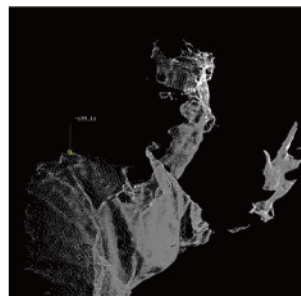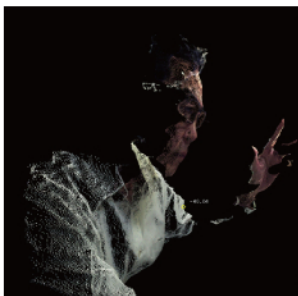

Usage

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

3D Sensor Specification

aeroTAP 3D USB Camera (3cm base)

- Base Line : 3cm, 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 : Rolling Shutter
- FPS : 3/10/15/30/60
- Power Source : USB Bus Power
           (5V/500mA, 5V/600mA)
- UVC1.1 Compatible
- FOV : 50
- Lens Type : Type A /w IR Cut Filter
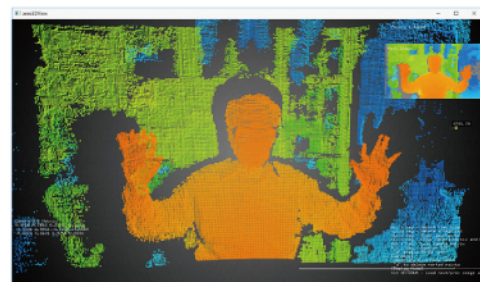   Type B /wo IR Cut Filter
- *1 Need customizations

aeroTAP 3D USB Camera GS (6cm base)

- Base Line : 6cm, Range : 25cm to 4.5m
- Interface : USB2.0/USB3.0 MicroB Female
- Depth Image : 640x480、1280x720
- Color Image : 640x480、1280x720、2560x720
- Image Sensor : Global Shutter
- FPS : 3/10/15/30/60
- Power Source : USB Bus Power
           (5V/500mA, 5V/800mA)
- UVC1.1 Compatible
- FOV : 84
- Lens Type : Dual Band IR Cut Filter

《Contact Information》

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TECHNOLOGY