

# Hypersen Technologies Co., Ltd. ToF Sensor PC software

## Quick Start Guide

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# 1 Device driver installation on PC

## (1) UART

- a. Unzip  
"CP210x\_Universal\_Windows7-8-10\_32-64bit\_Driver.rar" in "ToF16X Client Software V2.X.X Release" and install the corresponding system/bit.
- b. When the sensor is connected to a PC (refer to "ToF Sensor Client Software Operation Manual V2"), if "Silicon Labs CP210x USB to UART Bridge" is not found on "Device Manager -> Port/COM". You can search for "Silicon CP210x" on the internet and choose to install it.

## (2) CAN and PC connection

- a. If you need to use this client software, you need to purchase "USB to CAN adapter board / debugger / analyzer" as the "middle bridge" between PC and sensor, to connect the sensor while connecting PC;

Buy link:

<https://item.taobao.com/item.htm?spm=a230r.1.14.1.4cd156a0l84nF8&id=543538665221&ns=1&abbucket=7#detail>

- b. After connecting the sensor-array board-PC. If "USB-SERIAL CH340" is not found in "Device Manager" ->

"Port/COM", you can search for "CH340" on the network and select the installation.

(3) Connection between UART/CAN and microcontroller/ARM/FPGA/programmable devices

- a. First, you need to implement the UART/CAN communication protocol on your own platform. You can refer to the "STM32F103 and ToF16X communication sample code". There are UART and CAN communication examples in the project.
- b. Refer to the USER MANUAL HPS-16X\_VX\_CN (required for the model purchased) and try to send/receive data packets.

## 2 Easy to use PC software

- a. Unzip the "ToF sensor client software V2.X.X.rar" in the "ToF16X client software V2.X.X Release", double-click "HPS\_ToF16X\_Client.exe" in the running folder;
- b. Select the corresponding port number in the device manager and the model number of the sensor used (UART/CAN);
- c. After the selection, click the "Connect" button to connect (For UART model, you can directly click the "AutoConnect" button to connect, please refer to "ToF Sensor PC Software USER MANUAL V2" for details);

d. After entering the main interface, choose “Continuous” measure mode and click the “Start” button to start continuous measurements.

3. For detailed operation and FAQs of the client software, please refer to the “ToF Sensor PC Software USER MANUAL V2”.

#### 4 Notice for the CAN board firmware version

V1.4.6 or higher --- Support online upgrade

V1.4.11 and above --- Adapt all functions of client version V2.0.X

V1.4.15 or higher --- Adapt all functions of client version V2.1.X or higher

5 The above quick start manual is for reference only. If you have any questions, please contact Hypersen Technologies Co., Ltd.