

Quick Start

1. File structure

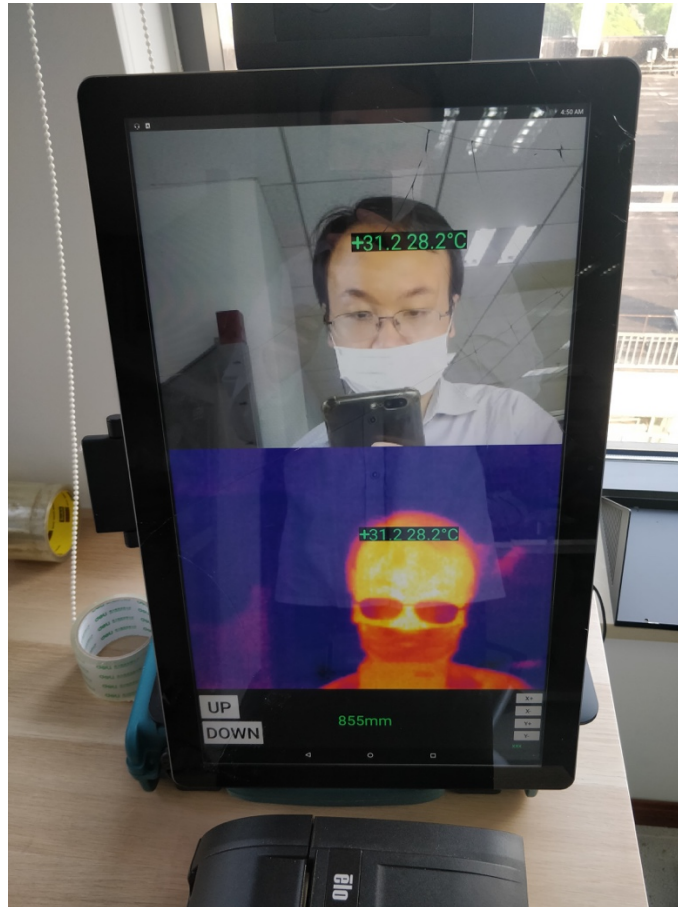
\	
\android\ \app\ \EloThermal\ \lib\ \windows\ \app\ \drivers\ \EloThermal\ \lib\	apk of demo source code of demo library of SDK exe of demo driver for IR camera source code of demo library of SDK

2. How to work with Demo app?

2.1 Android

- a. Camera calibration: Calibration of cameras are required before using.

Run TestActivity:



Press X+/X-/Y+/Y- button on the right bottom of activity to make two views of camera matching.

- b. ExpertActivity reveals how to use API in expert mode.
- c. SmartActivity reveals how to use API in smart mode.

2.2 Windows

- a. Download and install Microsoft support library.
 1. Visual Studio 2019 VC Redistribution x64
 2. .NET Framework 4.6.1+
- b. Camera calibration: Calibration of cameras are required before using.

Run EloThermal.exe:



Press X+/X-/Y+/Y- button on the right bottom of activity to make two views of camera matching.

c. Expert mode:

Click "Expert.Ink" or run exe with argument "-expert"
Expert mode reveals how to use API in expert mode.

Application logic:

People come approach -> proximity sensor detection
-> IR camera read specific point -> judgement.

d. Smart mode:

Click "Smart.Ink" or run exe with argument "-smart"
Smart mode reveals how to use API in smart mode.

Application logic:

People come approach -> RGB camera face tracking
-> IR camera read rectangles from RGB camera ->
judgement.