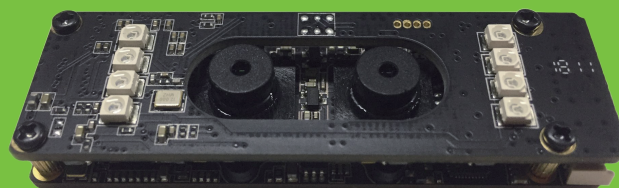# FA10M

USB Face Module

Visible light and near-infrared face collection

Overview

FA10M is a high-performance human face module that integrates visible light and near-infrared face collection, with 2 million pixels and face algorithm encryption chip. It combines the ZKFace SDK development kit to achieve face template collection, face comparison etc. It supports standard USB communication. Small, slim and integrated design of main board and near-infrared fill light board, enable it to be flexibly embedded into various types of terminal devices. It supports secondary development integration of Windows, Android, and Linux systems.
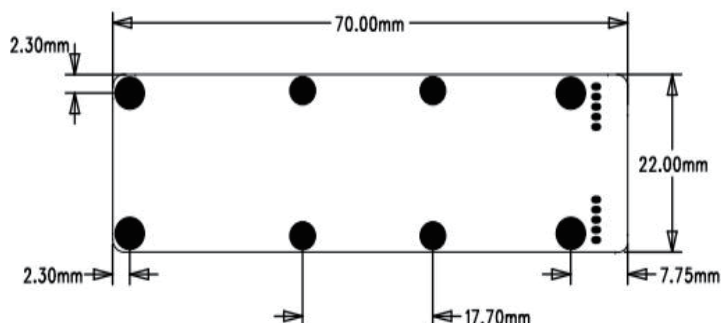
Features

- Support visible light and near-infrared human face collection
- Wide dynamic face shoot, high-quality static screen
- Drive-free devices, USB plug and play
- Integrated design, with near-infrared light
- Small and slim, applicable to various industrial device integration
- Support Windows, Linux, Android and other system

Specifications

CMOS Photosensitive Chip	OV 1/2.7 sensor & Aptina 1/2.7 sensor
Effective Pixels	1920(H) * 1080(V)
Clarity	HD 1080P
Pixel Size	3.0um*3.0um
Illumination	0.1Lux/F2.0
Frame Rate	1920*1080 at 30fps 1280*720 at 30fps
	800*600 at 60fps 640*480 at 30fps etc.
Signal Noise Ratio	≥45dB
Synchronize	Internal synchronization
Dynamic Range	70DB/110DB
Camera Shot	M8 shoot (650 optical filter, horizontal viewing angle：65°, vertical viewing angle: 40°)
	M8 shoot（850 narrow bandpass filter, horizontal viewing angle：65°, vertical viewing angle: 40°)
Fill Light Mode	Infrared light
Video Output	MJPG/YUY
Power Supply	USB 5V
Power Consumption	570mA±5%
USB Interface	5pin 1.25mm USB2.0
Working Temperature	-10˚C ~ +55˚C (Humidity : 10%RH ~ 95%RH)
Stored Temperature	-20˚C ~ +70˚C (Humidity : 10%RH ~99%RH)
Size	70mm * 22mm * 10.5mm
Note	Dual USB output

Product Size

Sketch (overall height 10.5mm)