



FA10M

Visible Light Face Recognition
module

Overview

FA10M is a next-generation face recognition module which offers customers the ultimate in both hands-free security and convenience.

FA10M is designed for manufacturers who design device terminals requiring user authentication (i.e. employee time clocks, P.O.S. terminals, industrial keyboards, ATMs, medical devices, voting machines, etc).

FA10M utilizes the latest advancements in visible light recognition technology. This allows FA10M to recognize multiple faces simultaneously (while in motion) from up to 20 feet/6 meters away. Camera view is up to 40 degrees vertically.

FA10M also uniquely allows customers to enroll employees and consume faces from their mobile phone or computer. This eliminates the need to interrupt employees and requiring them to physically enroll at the device/terminal.

FA10M can store face data and transmit face images to the host computer for comparison. The FA10M software development kit (SDK) allows for face template capture, matching and more.

FA1 Multi-USB Thermal Imaging Camera is a compact and lightweight which can combine , produce the high temperature measurement in both accuracy and convenience. Its compact size makes it very easy to retrofit into 3rd party hardware terminals.

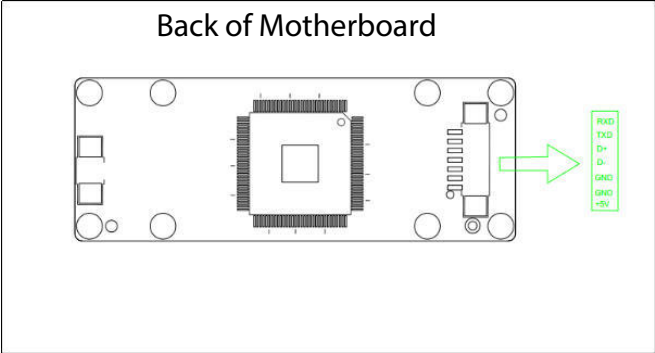
Features

- Compact size makes it simple to retrofit into existing device terminals.
- Highly accurate and convenient. Supports both video and still image.
- Measurement range up to 20m (66ft) and 40 degree wide measurement angle.
- USB plug and play
- SDK available (Windows/Linux/Android)

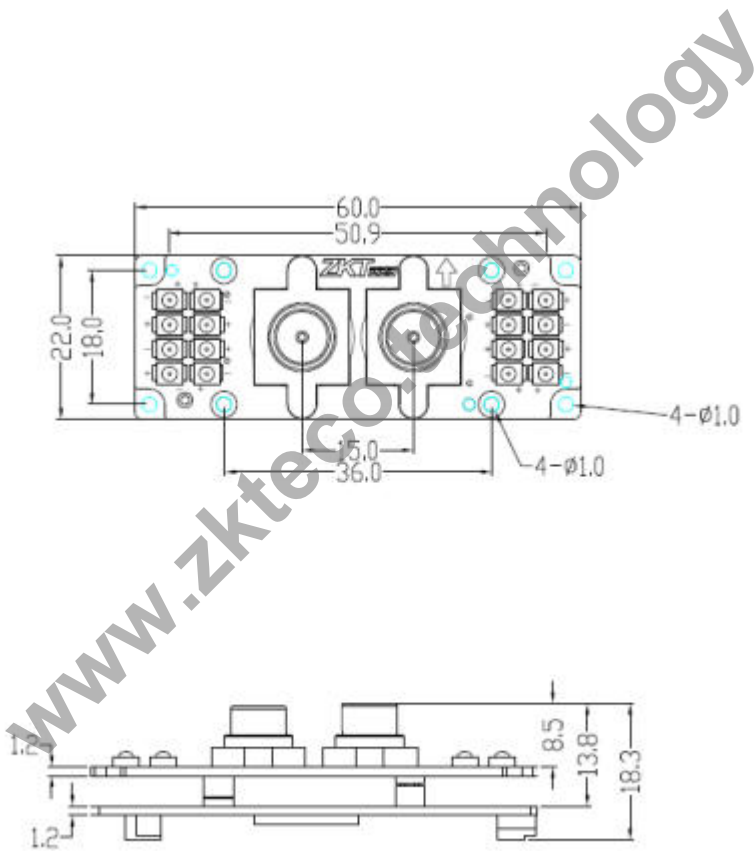
Specifications

CMOS Non-invasive Chip	High Definition CMOS 1/2.5" sensor
Effective Pixels	920(H) x 180(V) 60FPS x 480(V)
Contrast	High / 480P
Pixel Size	3.0um x 3.0um
Illumination	1Lux ~ 20
Frame Rate	90FPS at 30FPS 1280 x 720 at 30FPS
Signal Noise Ratio	≥45dB
Synchronization	Internal synchronization
Dimensions	50mm x 11mm x 11mm
Measurement Range	50m to 100m, Horizontal viewing angle: 65°
Vertical viewing angle	40°
Video Output	MJPEG YUY
Power Supply	USB 5V
Power Consumption	70mA ± 5%
USB Interface	5pin 1.2mm USB 2.0
Working Temperature	-40° ~ 131°F (humidity: 10% ~ 95% RH)
Weight	70mm x 11mm x 10.5mm (2.75 x 0.87 x 0.41 inches)

Product Size



PIN	1	2	3	4	5	6	7
Define	+5V	GND	Shield	USB D-	USB D+	UART TXD	UART RXD



ZKTeco USA

6 Kingsbridge Road, Unit 8, Fairfield, NJ 07004
Phone: (862) 505-2101 • Fax: (862) 204-5906 • sales@zktecousa.com • www.zktecousa.com

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