

SLK20M

Embedded Optical
Fingerprint Module



Ideal design

Live detection function

Overview

SLK20M as the smallest embedded optical module in the world combines 2 megapixel image sensor with an ARM9 processor for powerful performance. With ultimate design, it can be flexibly integrated with various system applications without requiring any additional accessories.

Features

- Easy integration with smallest size without any extra accessories
- Stable operation under strong light source
- Durable glass touch surface
- Quick recognition of dry, wet and rough fingerprints

Specifications

| | |
|---------------------------------|---|
| Material | Optical |
| CPU | 280MHz DSP |
| Flash | 32 MB |
| SoC | RTOS |
| Image Quality | 2 Million pixels CMOS |
| Encrypted Fingerprint Data | YES |
| Sunlight Operation | Yes, Dark Field and Automatic Gain / Exposure |
| Water Splash | YES |
| Dry, Wet, or Rough Fingerprints | Work well |
| Power Consumption | 5V:200mA Scanning;5V:60mA idle (waiting for finger) |
| Live Fingerprint Detection | YES |
| LED | White |
| Product Certifications | FCC, CE, RoHS, PIV |
| Power Voltage | 5V (USB) / 3.3V(TTL-RS232) |
| Power Current | 200mA |
| Communication | UART (115200bps / TTL3.3V) / USB 2.0 |
| Interface Socket | Molex 51021- 0700 (7 pin; 1.25 mm) |
| Image Resolution | 500~1000 dpi |
| Effective Collecting Area | 15.24 * 20.32 mm (FAP20) |
| Collecting Area | 16.5 * 23 mm |
| Image Size | 300 * 400 pixel (FAP20) |
| Module Size | 36.2 * 44.2 * 15.85mm (L*W*H) |
| Image Format | RAW, BMP, JPG |
| Template | ZKFinger V10.0 ; ISO19794-2 ; ANSI-378 |
| Template Size | 1- 4KB (ZKFinger V10.0);1568 B (ISO 19794-2) |
| Gray Level | 256 |
| Weight | 0.032kg |
| Operating Environment | -20 °C ~ +50 °C; 90% r.h. |
| ISO/ANSI Support | ISO-19794-2/4 ANSI-378 |



ZKTECO CO., LTD.
E-mail: sales@zkteco.com
www.zkteco.com

© Copyright 2017. ZKTECO CO., LTD. ZKTeco Logo is a registered trademark of ZKTeco or a related company. All other product and company names mentioned are used for identification purposes only and may be the trademarks of their respective owners. All specifications are subject to change without notice. All rights reserved.

