

User Manual

Bio30R

Date: June 2020
Doc Version: 1.0
English

Thank you for choosing our product. Please read the instructions carefully before operation. Follow these instructions to ensure that the product is functioning properly. The images shown in this manual are for illustrative purposes only.



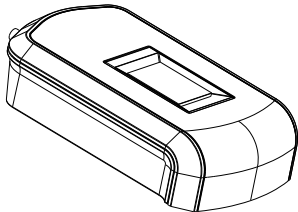
For further details, please visit our Company's website
www.zkteco.com.

1. Overview

The Bio30R biological fingerprint reader is a small and portable semiconductor fingerprint scanner developed by ZKTeco.

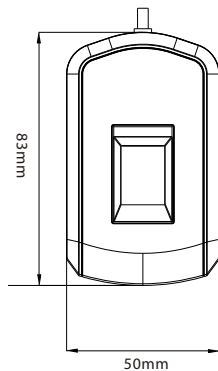
It uses the ARM9 processor and international semiconductor fingerprint sensor. It has the characteristics of fast fingerprint data acquisition speed and excellent image quality.

It even supports scanning of dry, damp, and rough finger skin and provides a good image quality.

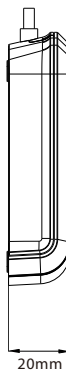


2. Dimensions

Front



Side



3. Features

- Standard high-precision fingerprint recognition technology and optimized image processing.
- Supports low false accept rate, high recognition rate, and rotated fingerprint.
- Adopts international top semiconductor sensors, precise imaging, and fast acquisition speed.
- Good imaging quality of dry/damp/rough finger skin suitable for a wide range of people.
- Drive free fingerprint scanner, not required to install a driver; plug and play.
- Supports Windows, Android, Linux, and other Operating System development.

4. Technical Parameters

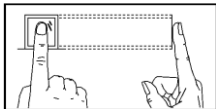
SensorType	Semiconductor
Resolution	508DPI
Aberration Rate	<1%
Gray Scale	256 gray
Collecting Area	18.0 * 12.8 mm / 0.709 * 0.504 inch
Effective Collecting Area	18.0 * 12.8 mm / 0.709 * 0.504 inch
Image Size	256 * 360 pixels
Interface	USB2.0 / USB1.1
Operating Temperature	-10°C ~ 50°C / 14°F ~ 122°F
Humidity	0% ~ 93% RH
Dimension (L*W*H)	83 * 50 * 20 mm / 3.268 * 1.969 * 0.787 inch
Supply Voltage	5.0 ± 0.25V
Power Current	≤150mA (Active) / 80mA (Standby)
Antistatic Property	≥15KV
Template Size	About 90KB
Data Rate	<6ms
Certification	FCC, CE, RoHS
OS Supports	Windows XP / 2000 / 2000 server / Vista / 7 / 8 / 10 Linux Android

6. Operating Instructions

• Guide to Place the Finger

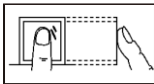
Recommended to use the index finger, middle finger or the little finger for registration.

1. Proper Positioning of Finger

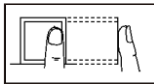


Note: The finger needs to be pressed flatly over the Sensor area, and make sure the finger is placed exactly on the Sensor area.

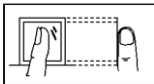
2. Improper Positioning of Finger



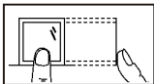
Not to place the finger in an uplifted position.



Not to place the finger away from the center.



Not to place the finger in sideways.




Not to place the finger in a corner.

- **Cautions**

1. Make sure the fingers are clean when using the Fingerprint Scanner.
2. Place the finger correctly.
3. Recommended to use the index, middle or little finger for Registration.
4. Please avoid using the thumb and pinky fingers, because these two are clumsy when pressing on the Sensor Area.

- **Suggestion**

1. Please keep the sensor away from dust.
2. Please use adhesive tape to clean the Sensor area.
-  3. Do not use water or other detergents, which may damage the sensor.
3. Please use a wool-free cloth to wipe the Sensor area.
4. Please make sure the Sensor area is clean after each use.

- **Possible Complications**

Some issues may cause difficulties to recognize the Registered fingers or during new Registration. They are:

1. Smoothed out fingers;
2. Too many wrinkles on fingers;
3. Layer of any material on fingers;
4. Extremely dry and wet fingers.

- **Solutions**

1. If the user experiences any difficulty during Registration, they can either delete the fingerprint and re-register, or can try using any other fingers.
2. It is recommended to choose the suitable finger with fewer wrinkles, no peeling, and clean finger for Registration.
3. Always try to maximize the Contact Area of the finger.
4. ZKTeco suggests registering alternative Fingerprints.
5. Soaked alcohol cotton is used for cleansing if the fingers are dry, and a clean napkin is used for cleansing if the fingers are wet.

Statement on the Right to Privacy

Dear Customers

Thank you for choosing this hybrid biometric recognition product, which was designed and manufactured by ZKTeco. As a world-renowned provider of core biometric recognition technologies, we are constantly developing and researching new products, and strive to follow the privacy laws of each country where our products are sold.

We declare that

1. All of our civilian fingerprint recognition devices capture characteristics, not fingerprint images, and do not involve privacy protection.
2. None of the fingerprint characteristics that we capture can be used to reconstruct an image of the original fingerprint, and do not involve privacy protection.
3. As the provider of this device, we will assume no direct or indirect responsibility for any consequences that may result from your use of this device.
4. If you would like to dispute human rights or privacy issues concerning your use of our product, please directly contact your employer.

Our other government-oriented fingerprinting devices or development tools can capture original images of citizens' fingerprints. As to whether or not this constitutes infringement of your rights, please contact your government or the final supplier of the device. As the manufacturers of the device, we will assume no legal liability.

Note

The law includes the following provisions on the personal freedoms of its citizens:

1. There shall be no illegal arrest, detention, search, or infringement of persons;
2. Personal dignity as related to personal freedom shall not be infringed upon;
3. A citizen's house may not be infringed upon;
4. A citizen's right to communication and the confidentiality of that communication is protected by law.

As a final point we would like to further emphasize that biometric recognition is an advanced technology that will undoubtedly be used in e-commerce, banking, insurance, legal, and other sectors in the future. Every year the world is subjected to major losses due to simple combination of passwords. Biometric products serve to protect your identity in high-security environments.

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