

# Aratek the special CID5000 residents ID card fingerprint User manual

## Product Introduction

Aratek, CID5000 fingerprints collector is AraTek Biometrics Technology Co.,Ltd According to the resident id card fingerprint acquisition project research and development production one high-end fingerprint acquisition equipment.

The collector fully meet the resident id card fingerprint acquisition equipment requirements. For citizens to fingerprint acquisition, security management, criminal investigation handling and criminal investigation and large public application system provides an important technical support and reliable guarantee.

## Product Features

Excellent image quality

The unique optical without distortion fingerprint imaging system

Automatic clear fingerprint residue

Automatic clear halo effect

Unique waterproof technology

Durability is good, fast response

Image quality automatic detection, and ensure the availability of acquisition

Dry, wet or rough fingerprint can make good use of

## product specification

Electrical parameters	
Power supply voltage/current	5.0V (USB Power supply) /100mA
Communication interface	USB1.1/2.0 compatible
ESD	GB/T 17626.2—2006, level4
EMI	GB/T 17626.3—2006, level2
Environment parameters	
Working temperature	-10° C - 55° C
Storage temperature	-40° C - 60° C
Work humidity	20% ~ 90%
Storage humidity	17% ~ 96%
Performance parameters	
Chip type	Optical fingerprint acquisition
Acquisition window size	16 *24 mm
Effective image size	16 *24 mm
Image size	320*480pixel
resolution	500dpi
Image distortion	≤ 1%
Image defect	0 个 (R ≥ 3), ≤ 3 个 (R < 3)

grayscale	8bit, 256 level
Grey level dynamic range	$\geq 220$
The image background gray not uniformity	$\leq 10\%$
Single frame image acquisition time	$\leq 0.25\text{ s}$
Physical parameters	
Product size	13.8cm (L) * 7.4cm (W) * 4.3cm (H)
Product net weight	250g
Packing size	20.5cm (L) * 15cm (W) * 6.3cm (H)
System compatibility	
Windows 2000, XP, Vista (32bit/64bit), Windows7 (32bit/64bit)	

**FCC Statement**

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.