

# Note on CASIA-IrisV2

## 1. Introduction

This database is used for the First Biometrics Verification Competition (BVC) on face, iris, and fingerprint recognition in the 5th Chinese Conference on Biometrics Recognition (Sinobiometrics 2004), held in GuangZhou, China in December 2004.

## 2. Brief Descriptions and Statistics of the Database

CASIA Iris Image Database Version 2.0 (CASIA-IrisV2) includes two subsets captured with two different devices: Irispass-h (Fig.1) developed by OKI and our self-developed device CASIA-IrisCamV2 (Fig.2). Each subset includes 1200 images (Fig.3, Fig.4) from 60 classes. Some statistics and features of each subset are summarized in Table 1.

Table 1 Statistics of CASIA-IrisV2

Subset	device1	device2
Sensor	OKI IRISPASS-h	CASIA-IrisCamV2
Environment	Indoor	Indoor
Session	one	one
No. of classes	60	60
No. of images	1200	1200
Resolution	640*480	640*480
Total	A total of 2,400 iris images.	



Fig.1 The hand-held iris camera OKI IRISPASS-h used for collection of device1



Fig.2 The hand-held iris camera CASIA-IrisCamV2 used for collection of device2

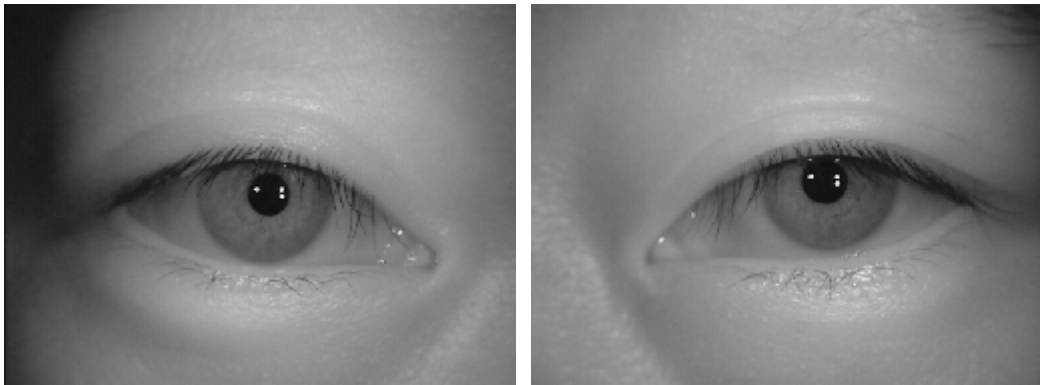


Fig.3 Example iris images in device1

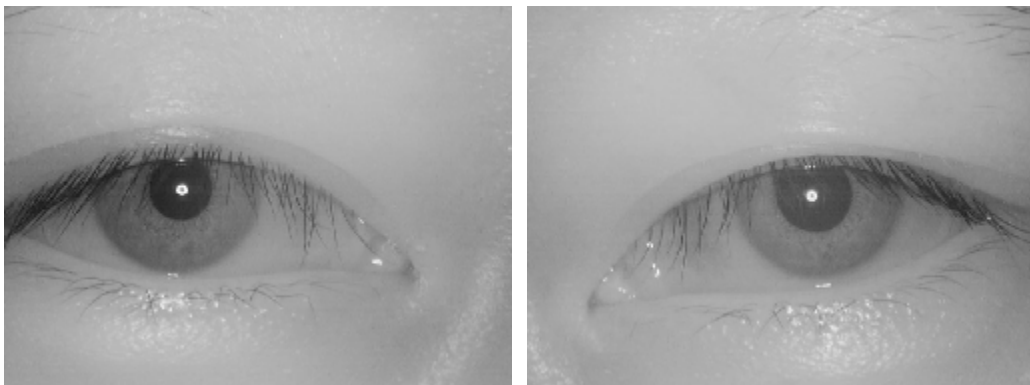


Fig.4 Example iris images in device2

### 3. Database Organization

The file name of each image in CASIA-IrisV2 denotes some useful properties associated with the image such as subset category, image ID etc.

I The images of CASIA-IrisV2 subset device1 are stored as:

*\$root path\$/device1/ XXXX\_YYY.bmp*

XXXX: the unique identifier of eye, range from 0000 to 0059.

YYY: the index of image in the same session. Range from 000 to 019.

- I The images of CASIA-IrisV2 subset device2 are stored as:

*\$root path\$/device2/ XXXX\_YYY.bmp*

XXXX: the unique identifier of eye, range from 0000 to 0059.

YYY: the index of image in the same session. Range from 000 to 019.

## **4. Copyright Note and Contacts**

The database is released for research and educational purposes. We hold no liability for any undesirable consequences of using the database. All rights of the CASIA database are reserved. Any person or organization is not permitted to distribute, publish, copy, or disseminate this database. In all documents and papers that report experimental results based on this database, our efforts in constructing the database should be acknowledged as: “Portions of the research in this paper use the CASIA-IrisV2 collected by the Chinese Academy of Sciences' Institute of Automation (CASIA)” and a reference to “CASIA-IrisV2, <http://biometrics.idealtest.org/>” should be included. A copy of all reports and papers that are for public or general release that use the CASIA-IrisV2 should be forwarded upon release or publication to:

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