

Note on CASIA-FingerprintV5

CASIA Fingerprint Image Database Version 5.0 (or CASIA-FingerprintV5) contains 20,000 fingerprint images of 500 subjects. The fingerprint images of CASIA-FingerprintV5 were captured using URU4000 fingerprint sensor in one session. The volunteers of CASIA-FingerprintV5 include graduate students, workers, waiters, etc. Each volunteer contributed 40 fingerprint images of his eight fingers (left and right thumb/second/third/fourth finger), i.e. 5 images per finger. The volunteers were asked to rotate their fingers with various levels of pressure to generate significant intra-class variations. All fingerprint images are 8 bit gray-level BMP files and the image resolution is 328*356.

The images of CASIA-FingerprintV5 are stored as:

\$root path\$/ YYYY/H/YYYY_HX_KKK.bmp

YYY: the unique identifier of the subject in the subset

H: "L" denotes left hand, "R" denotes right hand

X: "0" denotes thumb, "1" denotes second finger, "2" denotes third finger, "3" denotes fourth finger.

K: the index of fingerprint image in each class

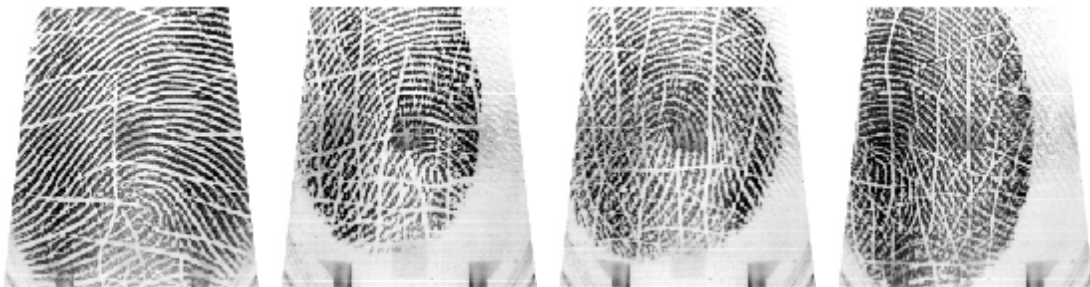


Fig. 1 Example fingerprint images in CASIA-FingerprintV5

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-FingerprintV5 collected by the Chinese Academy of Sciences' Institute of Automation (CASIA)" and a reference to "CASIA-FingerprintV5,

<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-FingerprintV5 should be forwarded upon release or publication to:

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