Note on CASIA Palmprint Image Database

CASIA Palmprint Image Database (or CASIA-Palmprint for short) contains 5,502 palmprint images captured from 312 subjects. For each subject, we collect palmprint images from both left and right palms. All palmprint images are 8 bit gray-level JPEG files by our self-developed palmprint recognition device (as shown in Fig.1a). We have also developed real-time palmprint recognition systems working on PDA and common PC (as shown in Fig.1b and Fig.1c).

Fig.1(a) Our self-developed palmprint recognition device

Fig.1(b) Real-time palmprint recognition system working on PDA

Fig.1(c) Palmprint recognition system working on PC with a USB web camera

In our device, there are no pegs to restrict postures and positions of palms. Subjects are required to put his palm into the device and lay it on a uniform-colored background. The device supplies an evenly distributed illumination and captures

palmprint images using a CMOS camera fixed on the top of the device. Six typical palmprint images in the database are shown in Fig.2.

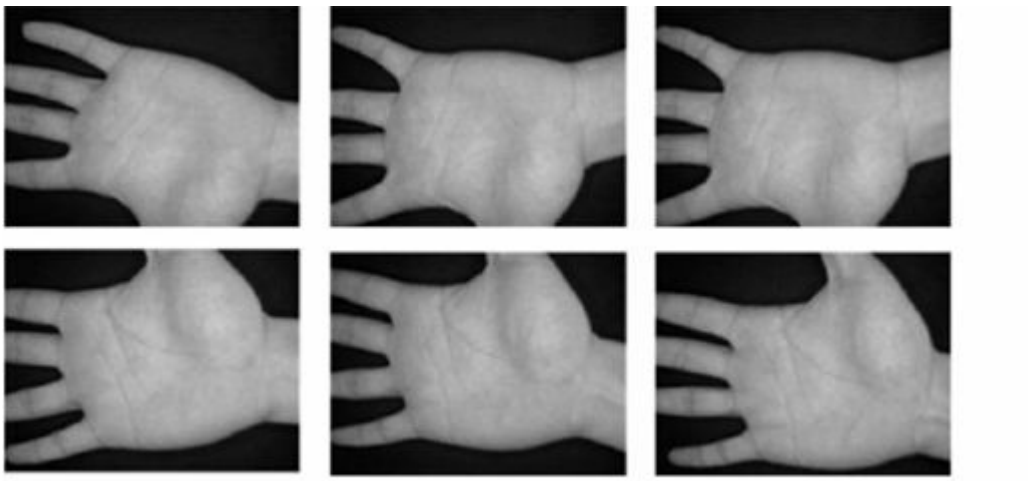

Fig.2 Six typical palmprint images in the database

The images are stored as: XXXX\XXXX_(m/f)_(l/r)_XX.jpg
XXXX: the unique identifier of people, ranging from 0000 to 0312.
(m/f): gender 'm' denotes male and 'f' female.
(l/r): type of palm 'l' denotes left palm and 'r' denotes right palm.
XX: the index of image with the same type of palm. Mostly it ranges between 1 and 15.

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 Palmprint Database collected by the Chinese Academy of Sciences' Institute of Automation (CASIA)" and a reference to "CASIA Palmprint Database, 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 Palmprint Database should be forwarded upon release or publication to

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Publications:
[1] Zhenan Sun, Tieniu Tan, Yunhong Wang, Stan Z. Li, "Ordinal Palmprint Representation for Personal Identification", Proceedings of IEEE International Conference on Computer Vision and Pattern Recognition, Vol.1, 2005, pp.279-284., Orlando, USA.