

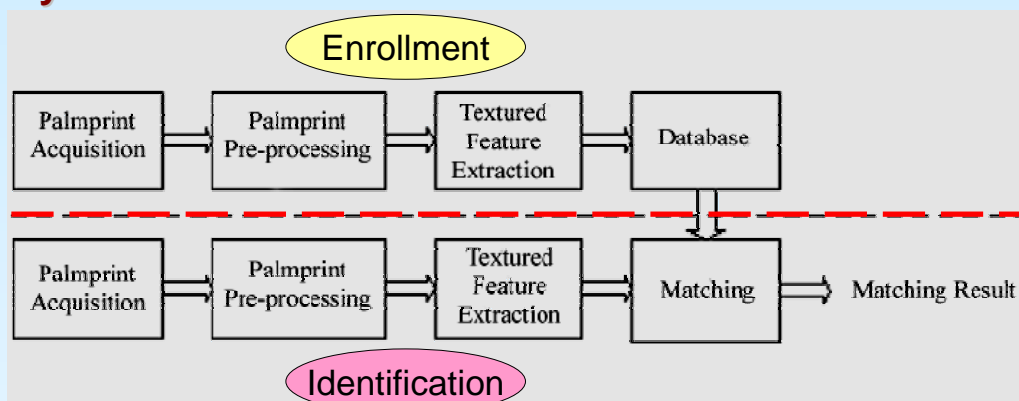


Palmprint Identification System

Biometric Research Center (UGC/CRC), HK PolyU

- ◆ An Innovative High Speed and Low Cost Security Control System. It is able to store 400 users for the personal identification, without the need of smart card or PIN.
- ◆ High reliability, easy and convenience to use.
- ◆ Applications: physical access control, time attendance management, citizen ID card, medical treatment card, etc.

System Architecture



Palmprint



Palmprint Identification System

System Performance

System capacity	400 users
Identification accuracy	3% FRR, 0.1% FAR
Speed	1.5 seconds

Patents

- ✓ Dapeng Zhang and Wai-Kin Adams Kong, "Method of Palmprint Identification", Pending US Patent Application No. US PTO, 10/253, 914 filed, August 2002.
- ✓ Dapeng Zhang, Guangming Lu, Wai-Kin Adams Kong and Michael Wong, "Apparatus for Capturing a Palmprint Image", Pending US Patent Application No. US PTO 10/253,912 filed, August 2002
- ✓ Dapeng Zhang, Guangming Lu, Wai-Kin Adams Kong, Xuan Niu, Michael Wong, "Method and Apparatus for Palmprint Identification", Chinese Patent Application, Pending.

Awards

- **Special Gold Award and Gold Medal**, High Speed and Low Cost Security System using Palmprint Technology, the 14th National Invention Exhibition of China, No. 141026, (2003)
- **Hong Kong Industry Award**, Palmprint Identification System, the Certificate of Merit under the Consumer Design Category, Hong Kong Government (2003)
- **Silver Medal**, Innovative High Speed and Low Cost Palmprint Security Control System, The Seoul International Invention Fair 2002, Seoul, Korea, (2002)