

HITACHI WHERE DOES IT FIT

“Brochure Figures” for the H1 Scanner

- Failure To Enrol FTE < 0%
- False Rejection Rate FRR = 0.01% (one in ten-thousand)
- False Acceptance Rate= 0.0001% (one in a million)

For comparison Apple Touch ID FAR is 1:50,000 for one finger enrolled and is 1 in 10,000 with 5 fingers enrolled.



Apple do not publish FRR rates however worth looking at
<https://www.wired.com/2013/12/touch-id-issues-and-fixes/>

Matching Times on 1:1 local match	Hitachi Finger Vein	Fujitsu Palm Vein	IrisGuard Iris
Median recognition attempt duration (s)	1.23	2.13	4.22
Median enrolment duration (s)	33.3	61.7	44.5

International Biometric Group tests IBG

Comparison of most advanced biometrics IBG report (CBT-6, 2006)

Biometric	Finger Vein	Palm Vein	Iris
Manufacturer	<i>Hitachi</i>	<i>Fujitsu</i>	<i>IrisGuard</i>
Device	<i>UBReader</i>	<i>PalmSecure</i>	<i>H100</i>
FTE, two samples	0.55%	1.63%	7.01%
FRR	1.26%	4.23%	1.76%
FAR	0.01%	0.0118%	0.01%
Recognition time [s]	1.23	2.13	4.22
Registration time [s]	33.3	61.7	44.5