

Method	Single network	Ensemble result	#nets	Training dataset
M5	0.9814 ± 0.0019	–		CASIA
M5, 3rd party DB	0.9883 ± 0.0035	0.9905 ± 0.0027	2	proprietary 800k images
DeepFace	0.9700 ± 0.0087	0.9735 ± 0.0025	7	proprietary, 4M images
DeepID	–	0.9745 ± 0.0026	25	proprietary, 160k
Original scratch	0.9773 ± 0.0031	–	1	CASIA
Web-Scale Training	0.9800	0.9843	4	proprietary, 500M images
MSU TR	0.9745 ± 0.0099	0.9823 ± 0.0068	7	CASIA
MMDFR	0.9843 ± 0.0020	0.9902 ± 0.0019	8	proprietary, 500k
DeepID2	0.9633	0.9915 ± 0.0013	25	proprietary, 160k
DeepID2+	0.9870	0.9947 ± 0.0012	25	proprietary, 290k
FaceNet	0.9887 ± 0.0015	0.9963 ± 0.0009	8	proprietary, 200M
FR+FCN (*)	–	0.9645 ± 0.0025	5	CelebFaces , 88k
betaface.com(*)	–	0.9808 ± 0.0016	NA	NA
Uni-Ubi(*)	–	0.9900 ± 0.0032	NA	NA
Face++ (*)	–	0.9950 ± 0.0036	4	proprietary, 5M face images
DeepID3 (*)	–	0.9953 ± 0.0010	25	proprietary, 300k
Tencent-BestImage(*)	–	0.9965 ± 0.0025	20	proprietary, 1M face images
Baidu (*)	–	0.9977 ± 0.0006	10	proprietary, 1.2M face images
AuthenMetric(*)	–	0.9977 ± 0.0009	25	proprietary, 500k face images