ID R&D is the Top Performer in the NIST Facial Liveness Evaluation

Key Takeaways

- ID R&D earned more #1 rankings than any other participant for the impersonation tests.

- ID R&D achieved top ranks for photo prints and replays–extremely common attack types–indicating strong performance in a real-world environment.

- ID R&D earned #1 rankings for both security and convenience.

- ID R&D performs best by a wide margin when rankings for all impersonation attack types are combined, indicating strong detection across the full breadth of attacks.

About the NIST Evaluation

- NIST is the global authority in evaluating the performance of commercial biometric algorithms.

- The evaluation tested 82 software-based algorithms from 45 developers.

- The evaluation covered detection of physical attacks: photo prints, replays, silicone masks, and others.

Overall Performance Rankings as Compiled by ID R&D

When aggregated and compiled by ID R&D, the data shows ID R&D achieving a top ranking for four categories and an overall top ranking by a large margin when ranks are averaged across all attack types.

Algorithm (best per participant)	PA Type 1 Undisclosed		PA Type 3 Flexible silicone mask		PA Type 4 Undisclosed		PA Type 7 Undisclosed		PA Type 8 Photo print / replay		PA Type 8 Photo print / replay (zoomed)		Avg	Total Ranking
	Conv*	Sec**	Conv	Sec	Conv	Sec	Conv	Sec	Conv	Sec	Conv	Sec		
idrnd-001	2	2	5	5	5	5	10	10	1	1	1	1	4.0	1
kakao-001	1	3	24	33	16	17	3	3	5	5	5	4	9.9	2
iproov-001	5	10	11	25	8	13	16	17	7	8	6	10	11.3	3
stcon-000	8	13	2	3	4	26	21	35	9	10	3	3	11.4	4
idemia-011	15	34	21	20	19	14	13	28	1	4	4	5	14.8	5
cyberlink-002	6	5	3	4	1	2	1	1	17	20	46	74	15.0	6
onfido-001	21	28	12	12	20	15	8	4	19	24	9	14	15.5	7
intema-001	23	19	22	21	18	10	34	24	10	14	21	28	20.3	8
aware-002	18	9	13	13	22	4	31	16	27	33	34	31	20.9	9
alice-001	12	67	3	2	9	68	4	8	1	2	23	74	22.8	10

*Convenience Rank **Security Rank

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ID R&D