

Table 1: Intra-dataset and Cross-dataset evaluation on HiFiMask. We additionally add ViTranZFAS and MD-FAS for comparison.

Method	HiFiMask (Protocol I)					HiFiMask → 3DMAD					HiFiMask → HKBU-MARs V1+				
	HTER(%)	EER(%)	AUC	BPCER@ APCER=0.1	BPCER@ APCER=0.01	HTER(%)	EER(%)	AUC	BPCER@ APCER=0.1	BPCER@ APCER=0.01	HTER(%)	EER(%)	AUC	BPCER@ APCER=0.1	BPCER@ APCER=0.01
MS-LBP	48.3	40.5	63.7	78.9	97.3	47.8	41.3	62.6	76.3	98.0	50.4	57.0	39.1	93.0	98.8
CTA	40.7	31.6	74.9	64.1	92.9	50.1	71.5	32.2	97.6	99.8	49.5	63.3	42.9	90.0	94.5
CDN++	3.67	2.64	99.6	0.83	6.79	36.8	37.7	72.1	65.9	87.1	35.7	29.7	80.8	52.9	78.4
HRFP	2.20	2.26	99.7	0.28	4.35	21.3	12.4	95.8	14.6	32.5	7.68	<b>8.33</b>	<b>99.1</b>	<b>1.52</b>	<b>11.4</b>
ViTranZFAS	2.63	2.48	99.7	0.21	6.58	26.3	16.5	91.1	23.1	60.8	32.7	20.6	88.3	34.2	60.2
MD-FAS	5.45	4.12	99.4	0.34	15.2	33.5	34.4	69.9	67.0	75.3	9.38	8.61	97.4	5.67	43.4
FASTEN(Ours)	<b>2.11</b>	<b>2.18</b>	<b>99.8</b>	<b>0.13</b>	<b>4.13</b>	<b>2.35</b>	<b>2.71</b>	<b>99.8</b>	<b>0.27</b>	<b>4.76</b>	<b>7.38</b>	8.55	98.3	5.40	17.7