	Feature					
	Correlation		LBP-TOP $_{8,8,8,1,1,1}^{u2}$		$LBP_{8,1}^{u2}$	
Testing Set	dev	test	dev	test	dev	test
CASIA	12.18	43.30	14.29	42.04	20.45	45.92
Replay-Attack		24.14		10.67		10.07