	IoU scores of competing methods					
Video samples						Proposed
Walk2	0.009	0.123	0	0.480	0.151	**0.841**
Cheery_Girl	0.144	0.201	0.09	0.587	0.573	**0.756**
Doll	0.139	0.926	0.819	0.350	0.078	**0.933**
Baby	0.116	0.671	0.007	0.360	0.222	**0.847**
Skating1	0.033	0.248	0.318	0.627	0.523	**0.713**
Climb1	0.54	0.764	0.03	**0.844**	0.476	0.810
Drone2	0.487	0.436	0.549	0.325	0.348	**0.588**
Train	0.211	0.37	0.535	0.837	0.831	**0.850**
Cycling1	0.558	0.359	0.610	0.462	0.342	**0.613**
Staircase2	0.875	0.889	0.801	0.001	0.103	**0.901**
Average*	0.425	0.431	0.392	0.529	0.421	**0.723**
Single object?	Y	Y	N	N	Y	Y