distance histogram range	$H_d[0,1]$
angle histogram range	$H_\theta[0,2\pi]$
number of distance histogram bins	$bins(H_d) = 25$
number of angle histogram bins	$bins(H_\theta) = 18$
number of particles per object	$N_p = 50$
number of random optimization runs	$N_{RI} = 10$
initial particle spread deviation	$\sigma_c = 10$
particle spreading factor	$\alpha = 5$
maximum particle sum of weights	$\beta = 25$
appearance weight	$\rho_A = 0.4$
structure weight	$\rho_S = 0$
overlapping weight	$\rho_O = 0.6$
old temporal weight factor	$\rho_T = 0.8$
score threshold for removing candidates	$\tau_S = 0.4$
score threshold for removing old trackers	$\tau_R = 0.2$
overlap threshold for removing candidates	$\tau_O = 0.25$
graph optimization iteration threshold	$\tau_I = 10$
conv. kernel for confidence in $(0.7, 1.0]$	$k_C = [0.3, 0.4, 0.3]$
conv. kernel for confidence in $(0.3, 0.7]$	$k_C = [0.15, 0.2, 0.3, 0.2, 0.15]$
conv. kernel for confidence in $[0.0, 0.3]$	$k_C = [0.1, 0.13, 0.17, 0.2, 0.17, 0.13, 0.1]$