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LIST OF ABBREVIATIONS

HOG	Histogram of Oriented Gradients
BoF	Bag of Features
SIFT	Scale Invariant Feature Transform
GMM	Gaussian Mixture Model
GNN	General Nearest Neighbor
LBP	Local Binary Pattern
SSE	Sum of Squared Errors
PCA	Principal Component Analysis
MOT	Multi-Object Tracking
HCI	Human Computer Interaction
MRF	Markov Random Field
Min Cut	Minimum Cut
Max Flow	Maximum Flow
MATLAB	Matrix Laboratory
RDHOGPF	Relative Discriminative Histogram-of-Oriented-Gradients Based Particle Filter