Detailed Result on Sample Video:

The following results were obtained on video:
https://www.youtube.com/watch?v=wIELji0M0_Q

LBP-TOP:

LBP TOP	KMeans	Overlap- 0.0	Divisions-3*3	51.26
	SC(linear)			49.45
	SC(int)			**69.67**
	SC(lap)			63.53
	SC(PCA,11,rbf, gamma = 0.0001,whiten=True)			79.06

	KMeans	0.1	3*3	50.90
	SC(linear)			49
	SC(int)			**67.87**
	SC(lap)			64.62
	PCA,11,whiten= true,rbf,gamma= 0.0001			*82.31*

	KM	0.0	4,4	50.90
	SC(linear)			53.06
	SC(int)			64.98

	SC(lap)			64.62

	KM	0.1	4,4	50.54
	SC(linear)			51.62
	SC(int)			**62.45**
	SC(lap)			64.62

Volume LBP :

Volume LBP	KMeans	0.0	3,3	50.90
	SC(linear)			51.6
	SC(int)			64.25
	SC(lap)			63

Volume LBP	KMeans	0.1	3,3	50.9
	SC(linear)			51.6
	SC(int)			63.53
	SC(lap)			62.45

Volume LBP	KMeans	0.0	4,4	50.9
	SC(linear)			52.34
	SC(int)			63.53
	SC(lap)			63.17

Volume LBP	KMeans	0.1	4,4	50.9
	SC(linear)			51.62
	SC(int)			64.98

				64.25
	SC(lap)			

HOG TOP:

HOG TOP	KMeans	0.0	3,3	64.85
	SC(linear)			61
	SC(int)			**66.78**
	SC(lap)			53.79
	PCA,10,rbf,gamma=0.08,whiten=True			71.84

HOG TOP	KMeans	0.1	3,3	63.17
	SC(linear)			59.92
	SC(int)			**73.64**
	SC(lap)			52.70
	PCA,12,rbf,gamma = 0.1,whiten=true			66.78

HOG TOP	KMeans	0.0	4,4	49.45
	SC(linear)			54.51
	SC(int)			61
	SC(lap)			48.73

HOG TOP	KMeans	0.1	4,4	50.9
	SC(linear)			55.95

	SC(int)			61.73
	SC(lap)			48.73

Volume HOG :

Volume HOG	KMeans	0.0	3,3	50.2
	SC(linear)			60.3
	SC(int)			55.59
	SC(lap)			52.70

Volume HOG	KMeans	0.1	3,3	49.45
	SC(linear)			59.52
	SC(int)			53.79
	SC(lap)			53.42

Volume HOG	KMeans	0.0	4,4	49.09
	SC(linear)			55.95
	SC(int)			57.03
	SC(lap)			44.40

Volume HOG	KMeans	0.1	4,4	49.819
	SC(linear)			59.92
	SC(int)			55.23
	SC(lap)			53.42

AVG img:

AVG img	KMeans	0.0	1,1	32.13

	SC(linear)			57.04
	SC(int)			41.87
	SC(lap)			56.67

AVG LBP:

AVG LBP	KMeans	0.0	1,1	40.79
	SC(linear)			59.92
	SC(int)			44.40
	SC(lap)			38.98

BENCH MARK:::

Raw Avg Img	KMeans	FULL IMAGE	FULL IMAGE	51.26
	SC(linear)			55.95
	SC(int)			59.56
	SC(lap)			58.84

Raw LBP Img	KMeans	FULL IMAGE	FULL IMAGE	59.92
	SC(linear)			65.34
	SC(int)			**66.78**
	SC(lap)			63.17
	PCA,10,rbf, γ = 0.0001,whiten=true			62.09