Index	Name	Meaning	Type
0	label	Label for classification e.g. of fire and not fire, defined for frame ith, label(i)	nominal
1	iVecCount	Amount of vector found in frame ith, iVecCount(i)	int
2	dRadius	Average radius (length/velocity) of vectors found in frame ith, denoted as dRadius(i)	double
3	dCohIndex	Motion coherence index found in frame ith, dCohIndex(i)	double
4	vardRadius	Absolute difference of two average radius in two consecutive frames, calculated by abs(dRadius(ith-1) - dRadius(ith))	double
5	vardCohIndex	Absolute difference of two coherence indices in two consecutive frames, calculated by abs(dCohIndex(ith-1) - dCohIndex(ith))	double
6	d_varRad	The standardization of vector radius (Zr(ith)) is calculated by d_varRad(ith) = (dRadius(ith) - d_AvgRadiusN) / d_StdRadN, where the d_AvgRadiusN was calculated from the prior 30 frames (N=30) found before 360 recorded frames in a series of dataset, and d_StdRadN is standard deviation (σ) of radius of samples (N = 30 samples)	double
7	d_varCoh	The standardization of motion coherence (Zc(ith)) is calculated by d_varCoh(ith) = (dCohIndex(ith) - d_AvgCohN) / d_StdCohN, where the d_AvgCohN was calculated from the prior 30 frames (N=30) found before 360 recorded frames in a series of dataset, and d_StdCohN is standard deviation (σ) of motion coherence index of samples (N = 30 samples)	double
8	dCos	Average of Cosine value of vectors found in frame ith	double
9	dSin	Average of Sine value of vectors found in frame ith	double
10	ia5Radius_v0	1st highest radius value frequently max(ROI(Vr)) found in frame ith	int
11	ia5Radius_v1	2nd highest radius value frequently max(ROI(Vr)) found in frame ith	int
12	ia5Radius_v2	3rd highest radius value frequently max(ROI(Vr)) found in frame ith	int
13	ia5Radius_v3	4th highest radius value frequently max(ROI(Vr)) found in frame ith	int
14	ia5Radius_v4	5th highest radius value frequently max(ROI(Vr)) found in frame ith	int
15	ia5Radius_f0	frequency of 1st high radius value frequently mode(ROI(Vr)) found in frame ith	int
16	ia5Radius_f1	frequency of 2nd high radius value frequently mode(ROI(Vr)) found in frame ith	int
17	ia5Radius_f2	frequency of 3rd high radius value frequently mode(ROI(Vr)) found in frame ith	int
18	ia5Radius_f3	frequency of 4th high radius value frequently mode(ROI(Vr)) found in frame ith	int
19	ia5Radius_f4	frequency of 5th high radius value frequently mode(ROI(Vr)) found in frame ith	int
20	da5Radius_%0	% frequency of 1st radius value in top 5 found in frame ith	double
21	da5Radius_%1	% frequency of 2nd radius value in top 5 found in frame ith	double
22	da5Radius_%2	% frequency of 3rd radius value in top 5 found in frame ith	double
23	da5Radius_%3	% frequency of 4th radius value in top 5 found in frame ith	double
24	da5Radius_%4	% frequency of 5th radius value in top 5, where sum of da5Radius_%j, j = 0, 1, 2, 3, 4, is equal to 100, found in frame ith	double
25	da5Degree_v0	1st high degree of angle of vectors, frequently max(ROI(Va)) found in frame ith	double
26	da5Degree_v1	2nd high degree of angle of vectors, frequently max(ROI(Va)) found in frame ith	double
27	da5Degree_v2	3rd high degree of angle of vectors, frequently max(ROI(Va)) found in frame ith	double
28	da5Degree_v3	4th high degree of angle of vectors, frequently max(ROI(Va)) found in frame ith	double
29	da5Degree_v4	5th high degree of angle of vectors, frequently max(ROI(Va)) found in frame ith	double
30	da5Degree_f0	frequency of 1st high degree value mode(ROI(Va)) found in frame ith	double
31	da5Degree_f1	frequency of 2nd high degree value mode(ROI(Va)) found in frame ith	double
32	da5Degree_f2	frequency of 3rd high degree value mode(ROI(Va)) found in frame ith	double
33	da5Degree_f3	frequency of 4th high degree value mode(ROI(Va)) found in frame ith	double
34	da5Degree_f4	frequency of 5th high degree value mode(ROI(Va)) found in frame ith	double
35	da5Degree_%0	% frequency of 1st high degree in top 5 found in frame ith	double
36	da5Degree_%1	% frequency of 2nd high degree in top 5 found in frame ith	double
37	da5Degree_%2	% frequency of 3rd high degree in top 5 found in frame ith	double
38	da5Degree_%3	% frequency of 4th high degree in top 5 found in frame ith	double

39	da5Degree_%4	% frequency of 5th high degree in top 5, where sum of da5Degree_% j, j = 0, 1, 2, 3, 4, is equal to 100 found in frame ith	double
40	iRGBTotal	Amount of pursued pixels (collected from SBs) found in frame ith	int
41	iRMean	Average of red amount calculated from pursued pixels found in frame ith	int
42	iGMean	Average of green amount calculated from pursued pixels found in frame ith	int
43	iBMean	Average of blue amount calculated from pursued pixels found in frame ith	int
44	d_luminance	Average of luminance d_luminance = 0.299*iRMean + 0.587*iGMean + 0.114*iBMean found in frame ith	double
45	ia5R_v0	1st high value of red max(ROI(R)) found in frame ith	int
46	ia5R_v1	2nd high value of red max(ROI(R)) found in frame ith	int
47	ia5R_v2	3rd high value of red max(ROI(R)) found in frame ith	int
48	ia5R_v3	4th high value of red max(ROI(R)) found in frame ith	int
49	ia5R_v4	5th high value of red max(ROI(R)) found in frame ith	int
50	ia5R_f0	frequency of 1st high value of red mode(ROI(R)) found in frame ith	int
51	ia5R_f1	frequency of 2nd high value of red mode(ROI(R)) found in frame ith	int
52	ia5R_f2	frequency of 3rd high value of red mode(ROI(R)) found in frame ith	int
53	ia5R_f3	frequency of 4th high value of red mode(ROI(R)) found in frame ith	int
54	ia5R_f4	frequency of 5th high value of red mode(ROI(R)) found in frame ith	int
55	ia5R_%0	% frequency of 1st high value of red found in frame ith	int
56	ia5R_%1	% frequency of 2nd high value of red found in frame ith	int
57	ia5R_%2	% frequency of 3rd high value of red found in frame ith	int
58	ia5R_%3	% frequency of 4th high value of red found in frame ith	int
59	ia5R_%4	% frequency of 5th high value of red found in frame ith	int
60	ia5G_v0	1st high value of green max(ROI(G)) found in frame ith	int
61	ia5G_v1	2nd high value of green max(ROI(G)) found in frame ith	int
62	ia5G_v2	3rd high value of green max(ROI(G)) found in frame ith	int
63	ia5G_v3	4th high value of green max(ROI(G)) found in frame ith	int
64	ia5G_v4	5th high value of green max(ROI(G)) found in frame ith	int
65	ia5G_f0	frequency of 1st high value of green mode(ROI(G)) found in frame ith	int
66	ia5G_f1	frequency of 2nd high value of green mode(ROI(G)) found in frame ith	int
67	ia5G_f2	frequency of 3rd high value of green mode(ROI(G)) found in frame ith	int
68	ia5G_f3	frequency of 4th high value of green mode(ROI(G)) found in frame ith	int
69	ia5G_f4	frequency of 5th high value of green mode(ROI(G)) found in frame ith	int
70	ia5G_%0	% frequency 1st high value of green found in frame ith	int
71	ia5G_%1	% frequency of 2nd high value of green found in frame ith	int
72	ia5G_%2	% frequency of 3rd high value of green found in frame ith	int
73	ia5G_%3	% frequency of 4th high value of green found in frame ith	int
74	ia5G_%4	% frequency of 5th high value of green found in frame ith	int
75	ia5B_v0	1st high value of blue max(ROI(B)) found in frame ith	int
76	ia5B_v1	2nd high value of blue max(ROI(B)) found in frame ith	int
77	ia5B_v2	3rd high value of blue max(ROI(B)) found in frame ith	int
78	ia5B_v3	4th high value of blue max(ROI(B)) found in frame ith	int
79	ia5B_v4	5th high value of blue max(ROI(B)) found in frame ith	int
80	ia5B_f0	frequency of 1st high value of blue mode(ROI(B)) found in frame ith	int
81	ia5B_f1	frequency of 2nd high value of blue mode(ROI(B)) found in frame ith	int
82	ia5B_f2	frequency of 3rd high value of blue mode(ROI(B)) found in frame ith	int
83	ia5B_f3	frequency of 4th high value of blue mode(ROI(B)) found in frame ith	int
84	ia5B_f4	frequency of 5th high value of blue mode(ROI(B)) found in frame ith	int
85	ia5B_%0	% frequency of 1st high value of blue found in frame ith	int
86	ia5B_%1	% frequency of 2nd high value of blue found in frame ith	int
87	ia5B_%2	% frequency of 3rd high value of blue found in frame ith	int
88	ia5B_%3	% frequency of 4th high value of blue found in frame ith	int

89	ia5B_%4	% frequency of 5th high value of blue found in frame ith	int