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Spatio-temporal feature using optical flow based distribution for violence detection

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**Highlights**

- Spatio-temporal feature named DiMOLIF for violence detection.
- Bivariate distribution estimation of the magnitude and the orientation of the optical flow vector around STIP points.
- Ability of the proposed feature DiMOLIF to detect violence in both crowded and uncrowded scenes.
- Obtained results show that DiMOLIF outperforms ViF and OViF descriptors.

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