

Multi-Camera People Tracking for AI City Challenge

Author: Dominik Kroupa

Supervisor: prof. Ing. Adam Herout, Ph.D.

Proposed Pipeline

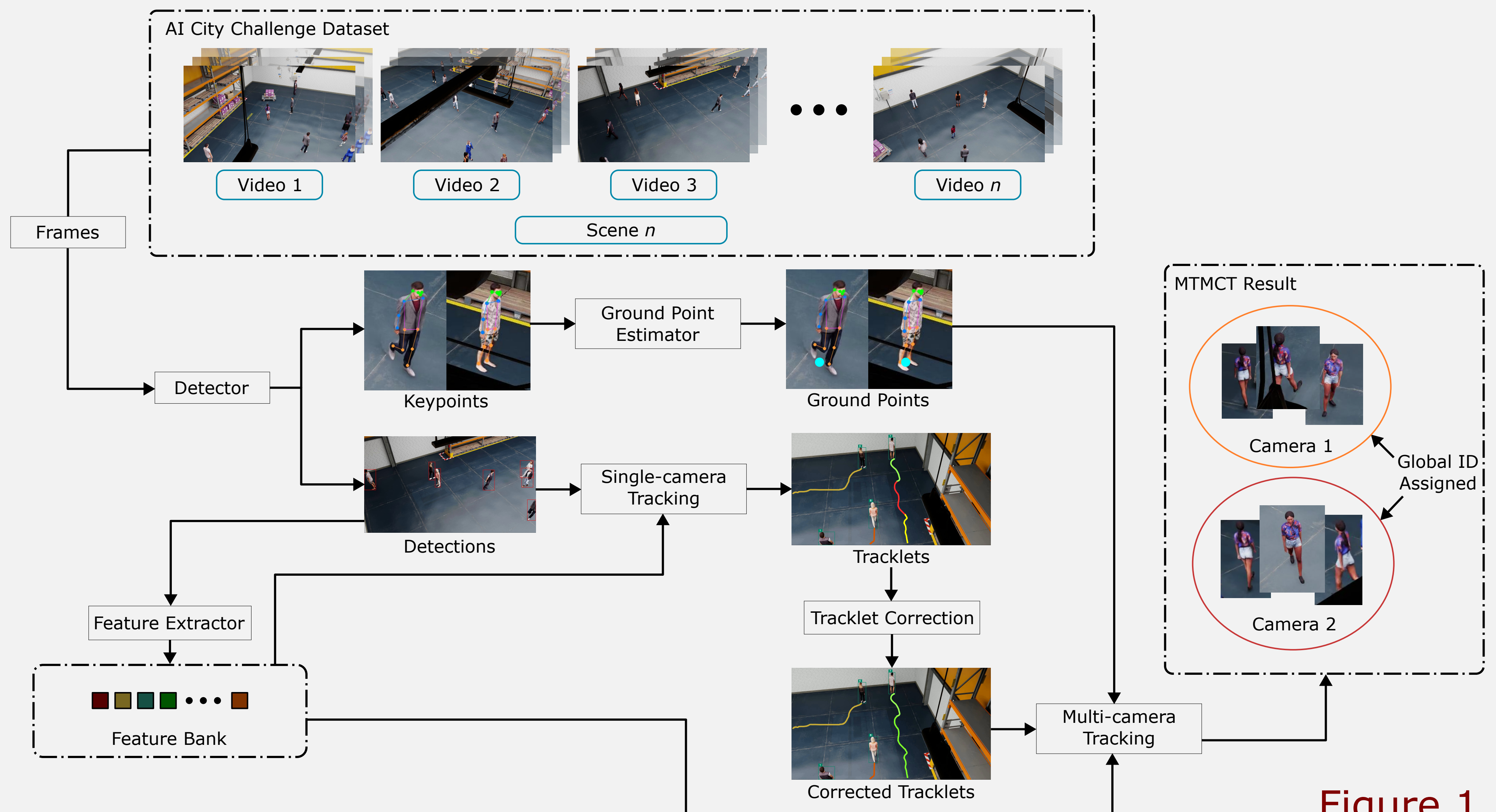
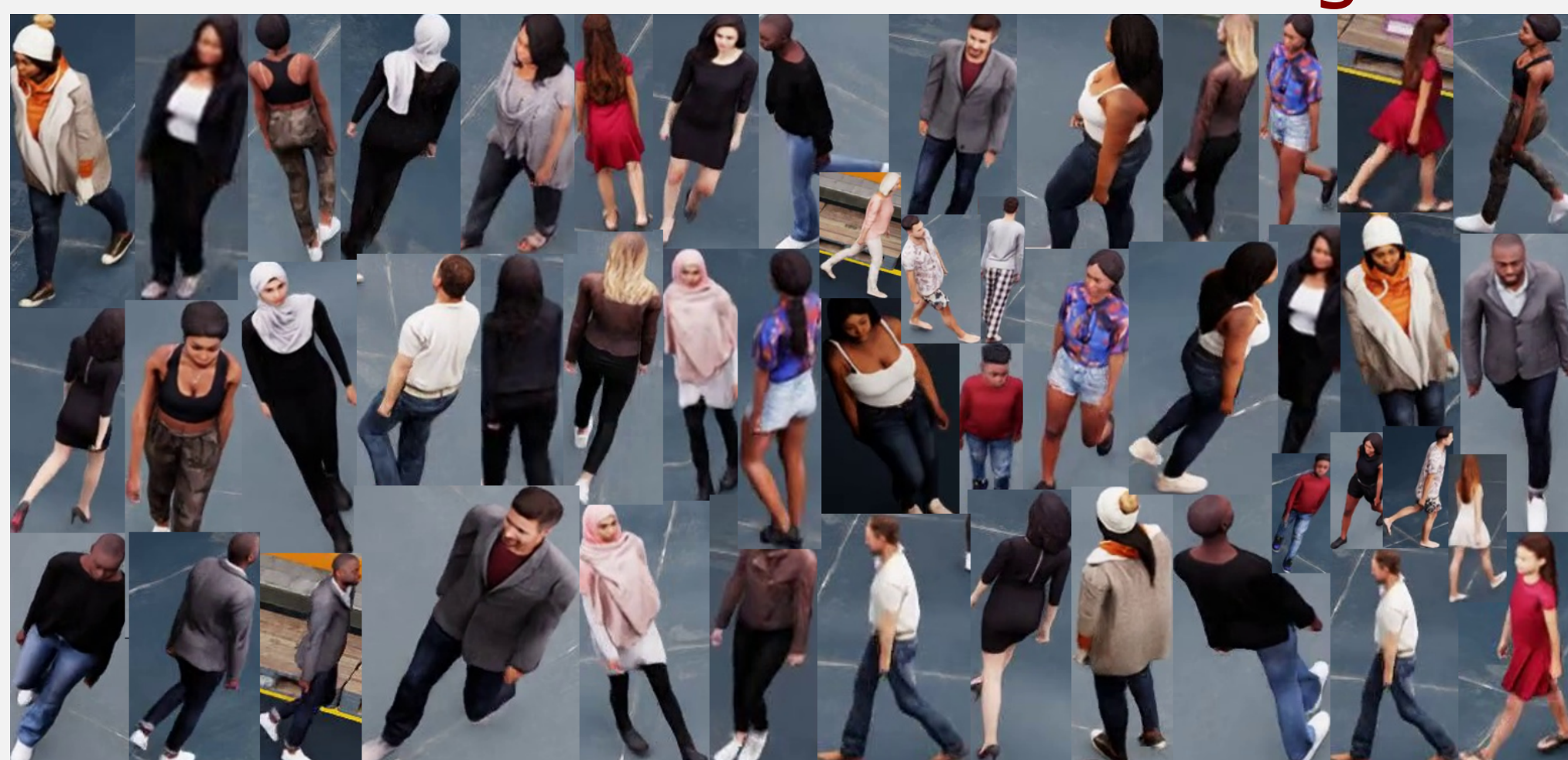


Figure 1

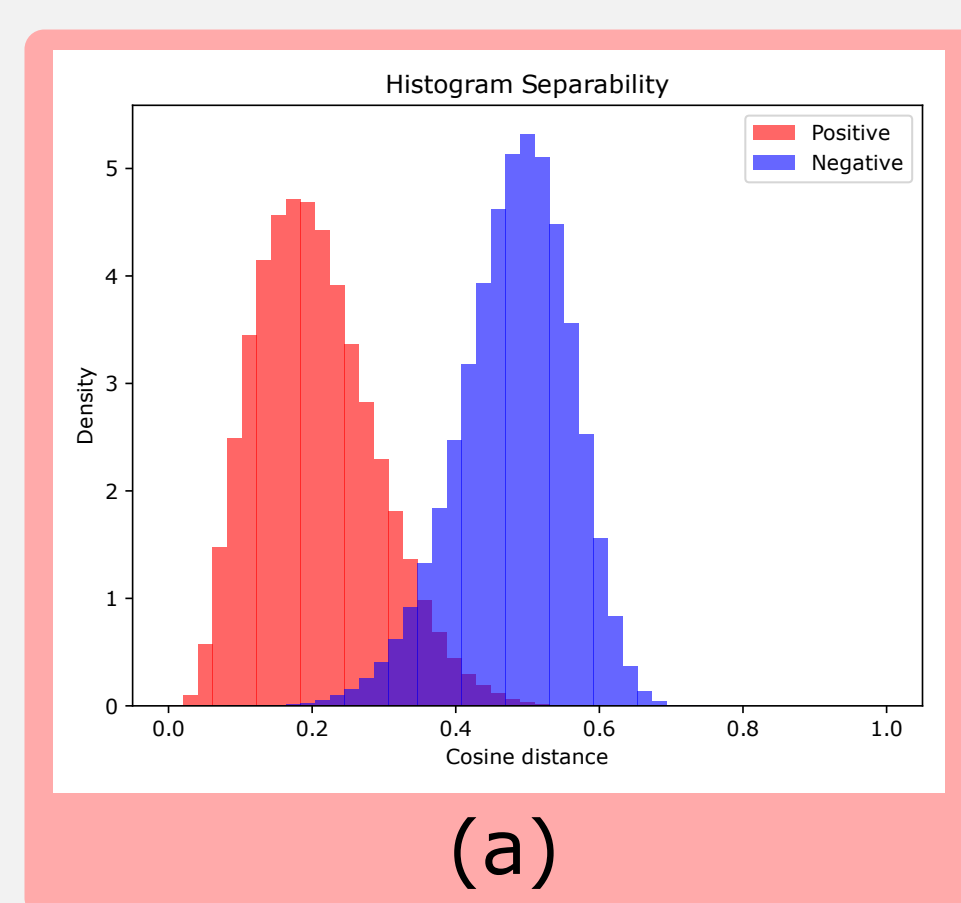
Re-ID Dataset

429 Identities from 360 Cameras

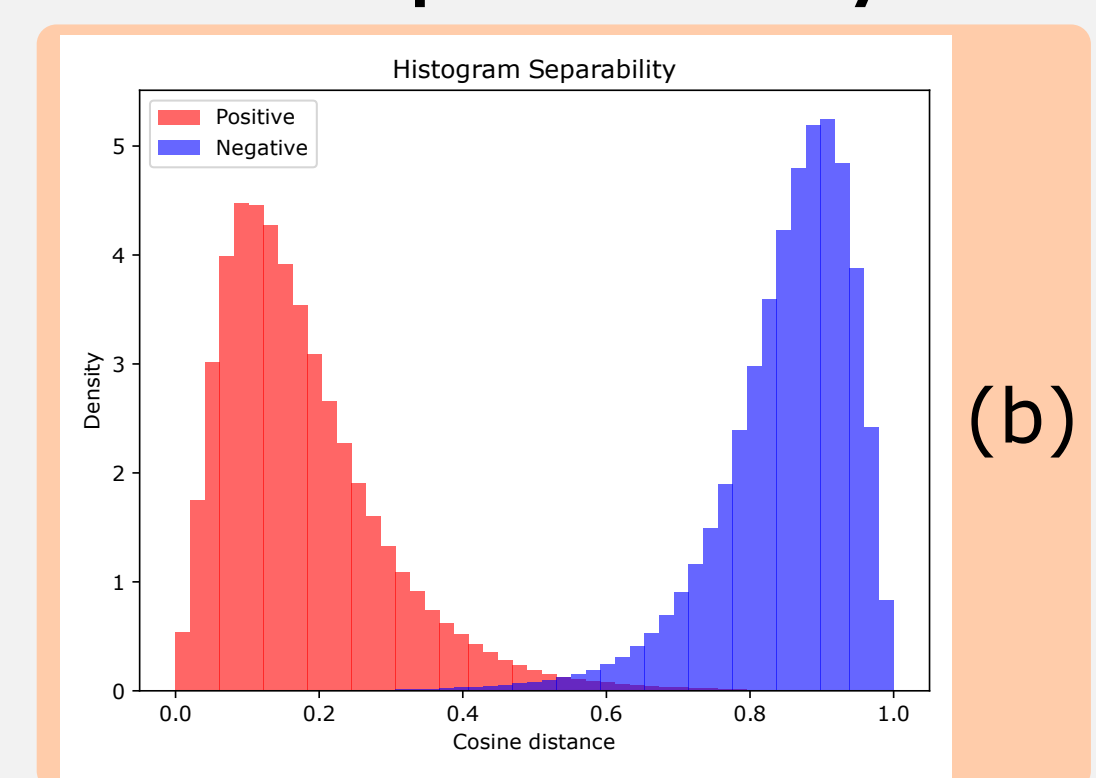
Figure 2



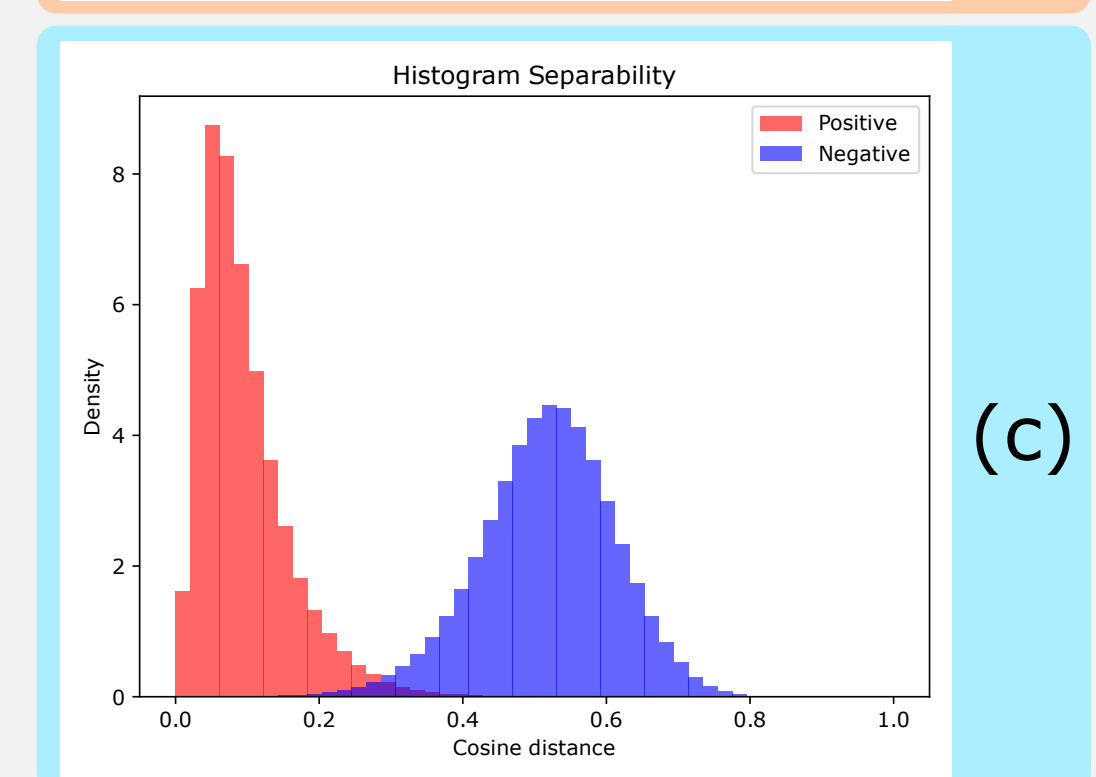
Increasing Inter-Class Separability



(a)



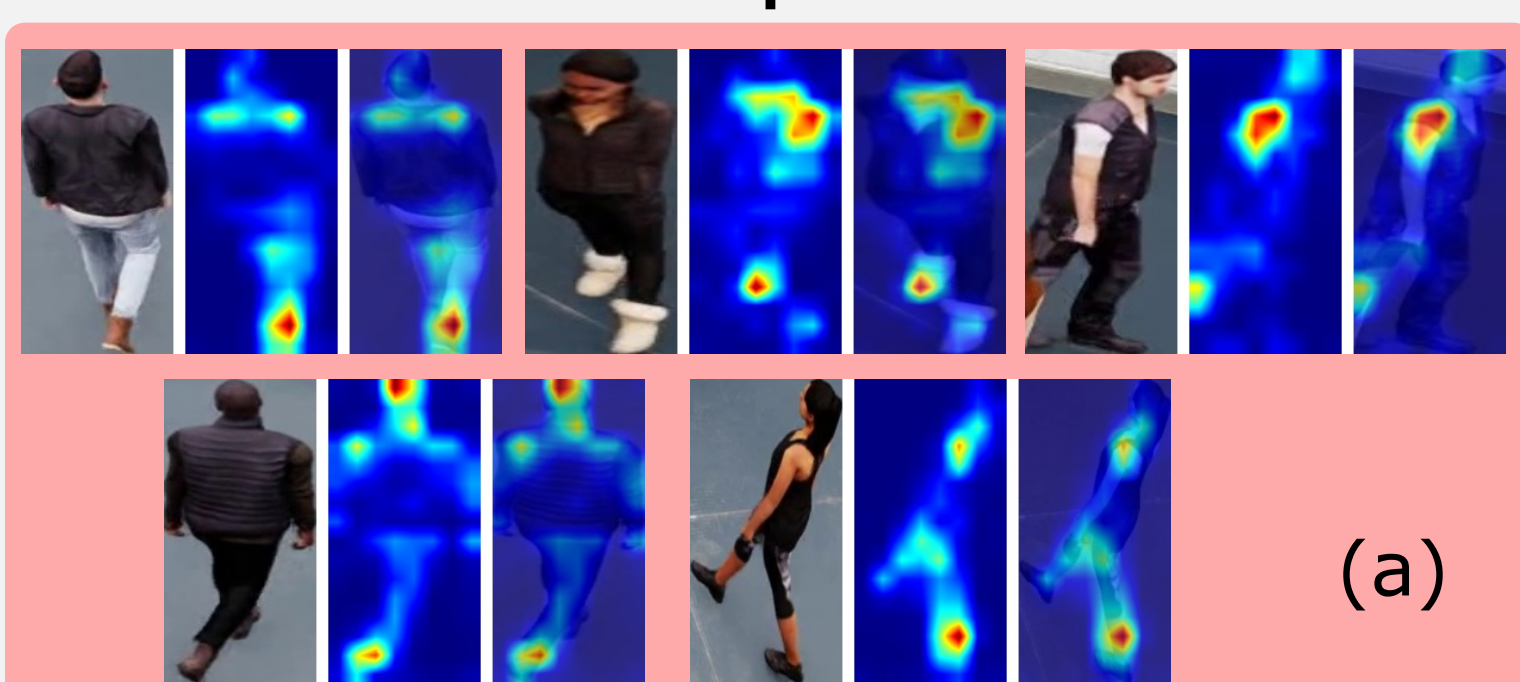
(b)



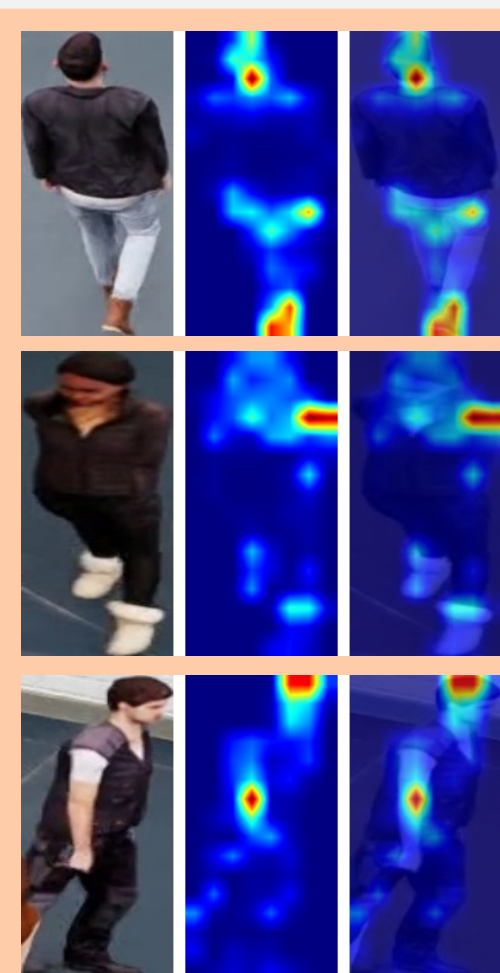
(c)

Figure 3

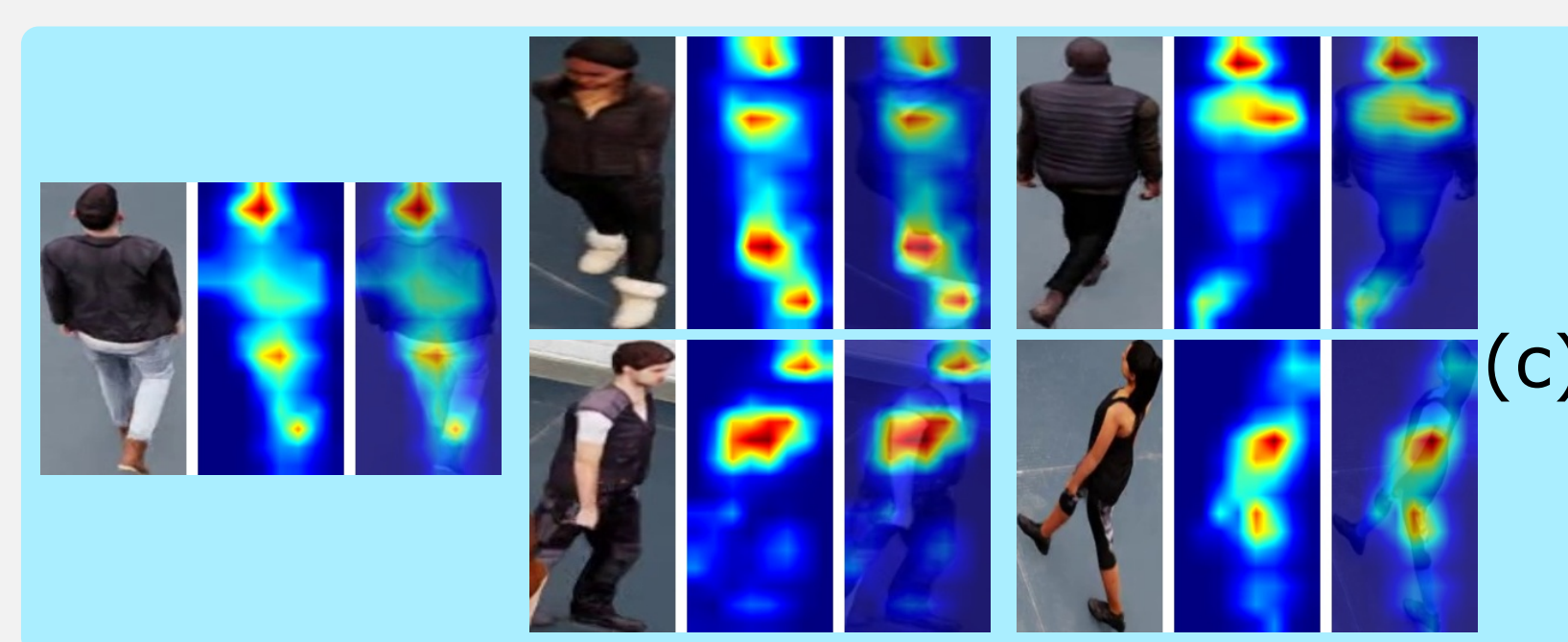
Activation Maps



(a)



(b)



(c)

Figure 4