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What-and-Where to Match: Deep Spatially Multiplicative Integration Networks for Person Re-identification

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Highlights

- A novel deep architecture to emphasize common local patterns is proposed to learn flexible joint representations for person re-identification.
- The proposed method introduces a multiplicative integration gating function to embed two convolutional features to their joint representations, which are effective in discriminating positive pairs from negative pairs.
- Spatial dependencies are incorporated into feature learning to address the cross-view misalignment.
- Extensive experiments and empirical analysis are provided in experimental part.

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