

Accepted Manuscript

Multi-Type Attributes Driven Multi-Camera Person Re-identification

Chi Su, Shiliang Zhang, Junliang Xing, Wen Gao, Qi Tian

PII: S0031-3203(17)30268-6
DOI: [10.1016/j.patcog.2017.07.005](https://doi.org/10.1016/j.patcog.2017.07.005)
Reference: PR 6208

To appear in: *Pattern Recognition*

Received date: 25 September 2016
Revised date: 1 June 2017
Accepted date: 4 July 2017

Please cite this article as: Chi Su, Shiliang Zhang, Junliang Xing, Wen Gao, Qi Tian, Multi-Type Attributes Driven Multi-Camera Person Re-identification, *Pattern Recognition* (2017), doi: [10.1016/j.patcog.2017.07.005](https://doi.org/10.1016/j.patcog.2017.07.005)



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We propose a three-stage weakly-supervised deep attribute learning algorithm, which makes learning a large set of human attributes from a limited number of labeled attribute data possible.
- We introduce a novel dCNN structure to predict attributes into multiple types, which effectively ensures the incompatibility among attributes.
- Deep attributes achieve promising performance and generalization ability on four person ReID datasets. Moreover, deep attributes release the previous dependencies on local features, thus have potential to make the person ReID system more robust and efficient.

Download English Version:

<https://daneshyari.com/en/article/6939634>

Download Persian Version:

<https://daneshyari.com/article/6939634>

[Daneshyari.com](https://daneshyari.com)