

Accepted Manuscript

Multi-stream Deep Networks for Human Action Classification with Sequential Tensor Decomposition

Huiwen Guo, Xinyu Wu, Wei Feng

PII: S0165-1684(17)30193-7
DOI: [10.1016/j.sigpro.2017.05.022](https://doi.org/10.1016/j.sigpro.2017.05.022)
Reference: SIGPRO 6489

To appear in: *Signal Processing*

Received date: 28 February 2017
Revised date: 18 May 2017
Accepted date: 22 May 2017

Please cite this article as: Huiwen Guo, Xinyu Wu, Wei Feng, Multi-stream Deep Networks for Human Action Classification with Sequential Tensor Decomposition, *Signal Processing* (2017), doi: [10.1016/j.sigpro.2017.05.022](https://doi.org/10.1016/j.sigpro.2017.05.022)

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

- low rank tensor decomposition is introduced for global motion feature extraction.
- multi-stream deep networks is proposed to exploit all clues.
- GRU model is used to discover temporal dependencies.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4977510>

Download Persian Version:

<https://daneshyari.com/article/4977510>

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