

**TITLE OF INVENTION: VIDEO-BASED HUMAN ACTION RECOGNITION METHOD AND
APPARATUS, MEDIUM AND ELECTRONIC DEVICE**

ABSTRACT

The present application relates to the field of computer vision, and in particular, to a video-
5 based human action recognition method and apparatus, a medium and an electronic device. The
video-based human action recognition method of the present application includes: obtaining a
plurality of multi-human image frames in a video, where each multi-human image frame
includes a plurality of human instances; generating detected human bounding boxes of human
instances in each multi-human image frame; determining an image scene of each multi-human
10 image frame, one image scene corresponding to one or more categories of actions; and
recognizing the actions of human instances in the plurality of multi-human image frames based
on the detected human bounding boxes and the image scenes of the plurality of multi-human
image frames. The present application can perform post-processing on the action category and
probability of the human instances according to the ambient environment features in video
15 frames of the human instances in a video clip, so that the accuracy of the finally predicted action
category of the human instances is higher.

[FIG. 5]