

ABSTRACT

Provided in the present disclosure are a watermark embedding method and apparatus, a watermark extraction method and apparatus, and an electronic device and a storage medium. The watermark embedding method comprises: acquiring a plurality of original videos, a video serial number of each original video and a watermark to be embedded; for any original video, dividing the original video according to a first number of the original videos and a second number of video frames corresponding to watermark codes, so as to obtain respective frame sequences, wherein each frame sequence comprises a first number of watermark units, each watermark unit comprises a first number of sub-units, and each sub-unit comprises a second number of continuous video frames; allocating a watermark code to each frame sequence according to a time sequence of the frame sequences and the order of the watermark codes, and determining a first watermark and a second watermark for each frame sequence according to the watermark codes which are respectively allocated to each frame sequence; and according to the video serial number of each original video, a first serial number of each watermark unit and a second serial number of each sub-unit, adding a target watermark to each sub-unit, so as to obtain a watermark video.