

METHOD AND APPARATUS FOR ACQUIRING VIDEO CODING COMPRESSION QUALITY

ABSTRACT

Embodiments of the present invention disclose a method and an apparatus for acquiring
5 video coding compression quality. The method may include: acquiring video stream
information, where the video stream information includes a video frame type, a video frame
size, a frame rate and a bit rate; calculating video content complexity according to the video
stream information, where the video content complexity includes temporal complexity, or
space complexity, or both the temporal complexity and the space complexity; and calculating
10 video coding compression quality according to the bit rate, the frame rate and the video
content complexity. In the embodiments of the present invention, the video coding
compression quality may be acquired as long as the video frame information, the bit rate, the
frame rate and the video content complexity of a video stream are acquired. The video coding
compression quality may be used in subsequent video quality assessment. This process greatly
15 reduces video quality assessment complexity and the assessment may be performed in real
time. In addition, because impact of video content characteristics (namely, video content
complexity) and impact of a frame rate are considered, the assessed coding compression
quality meets the subjective feeling of human eyes better.

20 FIGURE 1