VIDEO CODING DEVICE AND VIDEO TRANSMISSION SYSTEM USING THE SAME, QUANTIZATION CONTROL METHOD AND AVERAGE THROUGHPUT CALCULATION METHOD USED THEREIN

ABSTRACT OF THE DISCLOSURE

Video data coded in a coding device 12 is temporarily stored in a temporary buffer 13 before transmitted to a transmission buffer 171. A frame dropping/quantization control device 16 cancels the video data in the temporary buffer 13 if the amount of information of the video frame stored in the temporary buffer 13 is larger than a predetermined threshold, and further, sets a quantization step size with a quantization step size larger than the quantization step size used to code the video frame stored in the temporary buffer 13 and outputs it to the coding device 12. This suppresses the transmission delay time even when the amount of generated information rapidly increases due to a sudden motion of an object or when the communication conditions change, which allows display of a moving picture with smooth motion

(Fig. 1)