

ABSTRACT

The present invention provides a crowd monitoring system with which it is possible to obtain a crowd density accurately, irrespective of the congestion state. This crowd monitoring system 100 is provided with: an image acquiring unit 101 which acquires a plurality of images; an arithmetic logic unit 108; and a storage unit 106 which stores information relating to relationships between image feature quantities and an object density, acquired in advance, and information relating to relationships between motion feature quantities and the object density. The arithmetic logic unit 108 comprises: an image feature quantity acquiring unit 103 which obtains image feature quantities of objects in the acquired images; a motion line acquiring unit 104 which obtains motion lines of the objects in the acquired images; a motion feature quantity acquiring unit 105 which obtains motion feature quantities of the objects on the basis of the obtained motion lines; and a crowd density acquiring unit 107. The arithmetic logic unit 108 is characterized in that it obtains a first estimated density of the objects on the basis of the obtained image feature quantities and the stored relationships between the image feature quantities and the object density, and obtains a second estimated density of the objects on the basis of the obtained motion feature quantities and the stored relationships between the motion feature quantities and the object density.