ABSTRACT OF THE DISCLOSURE

According to the present invention, there is provided a method for compressing image information at a high speed and a method for transferring real-time moving images utilizing the same in which scanning of rectangular parallelepiped regions is performed as an extension of three-dimensional Hilbert scanning (the invention is not limited to three-dimensional Hilbert scanning) to improve throughput and to achieve cost reduction. In the method for compressing image information at a high speed according to the invention, viewed moving images comprising three-dimensional information are converted into one-dimensional serial information one by one using a look-up table associated with rectangular parallelepiped regions in a three-dimensional space, and said converted data are subjected to data compression. In the method for transferring viewed moving images from a server to clients in real-time, data compressed according to said method are transferred through a communication path and the data are decompressed at the clients.