METHOD OF REAL TIME OPTIMIZING MULTIMEDIA PACKET TRANSMISSION RATE

ABSTRACT OF THE DISCLOSURE

[0085] A method and apparatus of optimizing transmission (both real time and continuous) of a number of multimedia data packets between a multimedia source device and a multimedia display device is disclosed. In the described embodiment, the multimedia source device and the display device are coupled by way of a unidirectional main link arranged to carry the multimedia data packets from the multimedia source device and the multimedia display device and a bi-directional auxiliary channel arranged to transfer information between the multimedia source device and the multimedia display device. The method can be carried out by following at least the following operations. Providing a test pattern by the multimedia source device on the main link, determining a transmission quality factor of the main link based upon the test pattern, and optimizing the transmission of the multimedia data packets based upon the transmission quality factor.