

Video-Conferencing System

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Abstract

The goal of this project is to create a video/audio conferencing system. Video will be captured from a camera and then processed using JPEG compression. The resulting compressed signal is then framed for serial transmission along with an audio signal and sent to the decoder with a checksum to ensure data integrity. The decoder then extracts the separate signals, reverses the JPEG compression, displays the resulting image on the screen, and outputs the audio to a speaker.