

ABSTRAC

Monitoring system is a technology that is used to monitor a place directly or can be called also in real-time and also to prevent things that are not desirable in places or locations that are far from our vision or the place is being left so that there is no who maintain or supervise the place directly.

Raspberry Pi implementation as a live streaming server for video monitoring system that is integrated with a system that can detect the sound of crying babies and a system that can detect suspicious movements, both systems will provide a report in the form of notification then the user can monitor in real-time or live streaming.

One of the real-time protocols used is the Real Time Streaming Protocol or called RTSP, the RTSP protocol will be analyzed for performance and compared with the RTMP protocol. On the results of testing the RTSP protocol has a greater delay on the RTMP protocol than each test scenario that has been made, with implementation parameters on the local network and public network.

Keyword: *RTSP, Raspberry pi, Monitoring system, Live Streaming Server*