

ABSTRACT

Security is a very important aspect in every environment. CCTV monitoring systems have been widely used but require further development to provide more accurate information and create a safer environment. To achieve this level of security, the usefulness of CCTV can still be improved by adding modes or variations of its usage specifications. One of the extra features that can be developed is the remote-control feature using IP code. Although CCTV models with similar uses are already widely available on the market, their size is still relatively large and their price is relatively expensive. This can be solved by developing CCTV that functions similarly, but with a smaller size to be more flexible and a cheaper price so that it can be affordable for the wider community from all levels of society. CCTV is a tool that is very much needed to improve security. Research on security systems to prevent unwanted things from happening such as theft, crime, and other criminal acts, researchers created a monitoring robot, with the presence of a monitoring robot to help identify the perpetrators so that there is no wrong arrest and with this monitoring robot can also control using a device connected to Wi-Fi. Through this monitoring robot system, every movement in the detected area can be detected accurately and quickly so that it can monitor the room in real time.