ABSTRACT

The process of surveillance in a police or military operation is generally carried out using the direct observation method. This method depends on the skills and experience of police and military personnel. However, this method has a high level of danger and risk. This is due to the possibility of a mistake in the movement of police or military officers which resulted in the perpetrators of the crime knowing that the police or military had entered the room for an ambush. In addition, the involvement of police or military personnel directly can also endanger their lives if there are dangerous objects such as bombs, poison gas and others.Therefore, it takes a vehicle or tool that can be controlled remotely and can provide visual information from a room that will be entered by police or military personnel. This tool will provide information on observing floor plans of hostages and criminals in real-time through live streaming. This tool can be used as an alternative solution in the surveillance carried out by the police or military without having to endanger the lives of personnel.

Keyword: Recon Robo, Android Studio, Arduino Pro Mini, USB Hostshield, Joystick, parrot.