

## **Abstract**

In this thesis, by infrared sensing to trigger voice control on and off, to take into automatic control and voice control, we need to use arduino and infrared and voice recognition to do this three-part program control. In automatic control, we need to receive the unmanned infrared sensing signal, and then sends commands to the motor via arduino to make it work, the degree of motor control in the light of the respective periods in which the degree of window curtains window is outside the brightness of the sun . Voice control, was received by the infrared sensing signals, and then turn on voice recognition via arduino version EasyVR start receiving voice, arduino receives EasyVR translated voice value to control the degree of the motor on the window curtains.