MOTION CENSOR CAMERA

COMPONENTS

->ARDUINO MEGA

->BREAD BOARD

->SONAR SENSOR

->LED LIGHTS

->CONNECTING WIRES

->AUDIO JACK

->LDR

WIRING

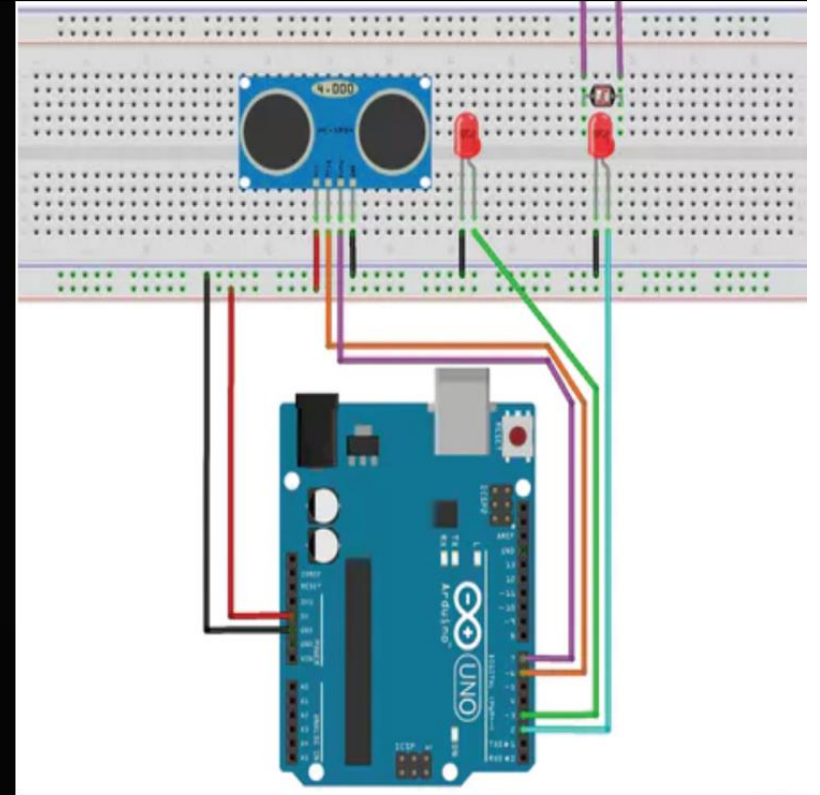Arduino pin 2 <----> white LED
Arduino pin 6 <---->Tring (Sonar sensor)
Arduino pin 7 <----> Echo (Sonar sensor)
Give 5v to the sonar sensor.
Red wire <----> One leg of LDR
Black wire <----> Other leg of LDR

WORKING

Every earphone has a volume button which works on a smartphone as a shutter button when the camera app is opened. The earphone's volume buttons are connected with the mic and gnd within a fixed value of resistor. And LDR changes its resistance which depends on the presence of light. For this, we have connected a high bright LED in front of the LDR. When Arduino turns on the LED, the resistance of LDR decreases.

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