

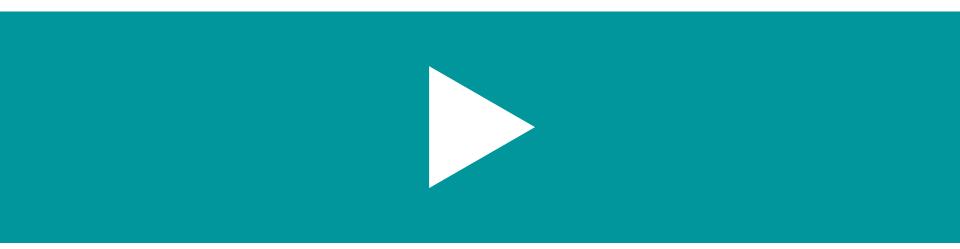
사물인터넷 Internet of Things



스마트인재개발원 나예호 선임연구원

차단기-2

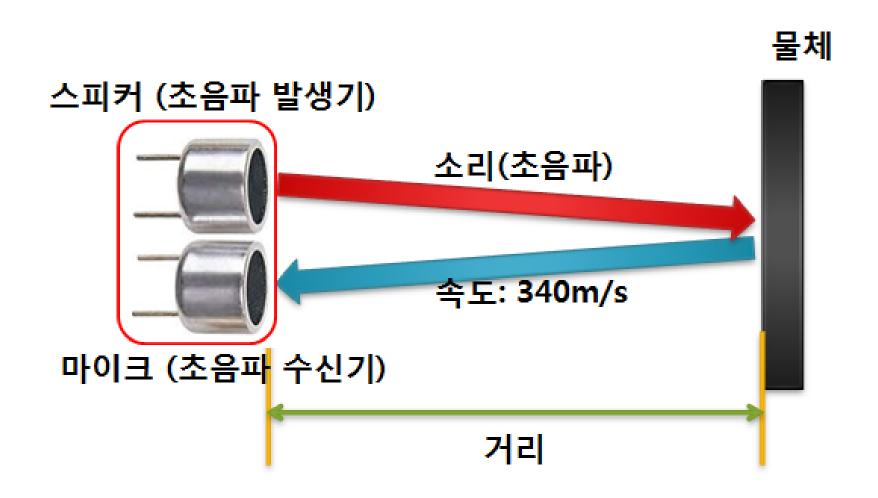




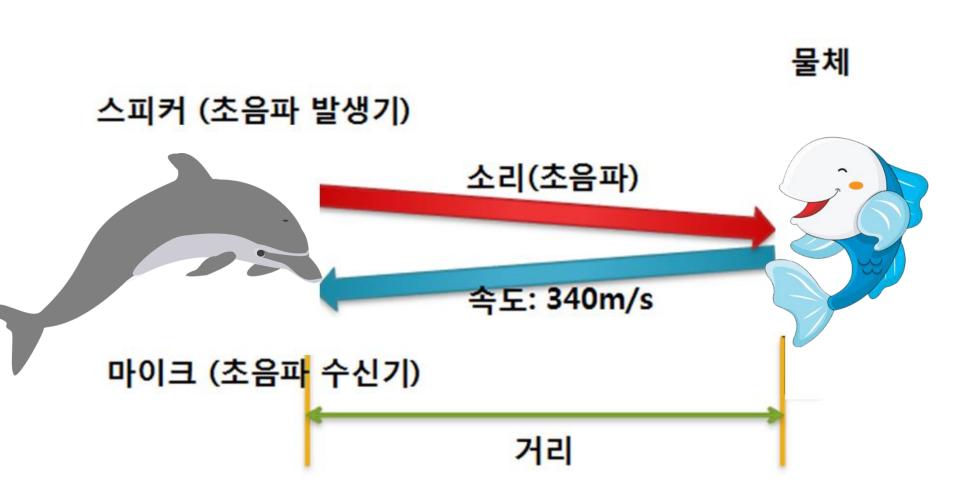




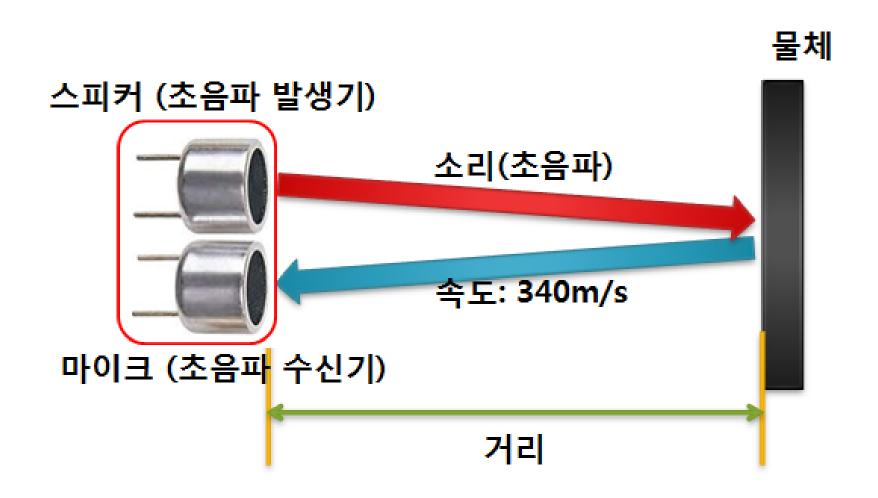










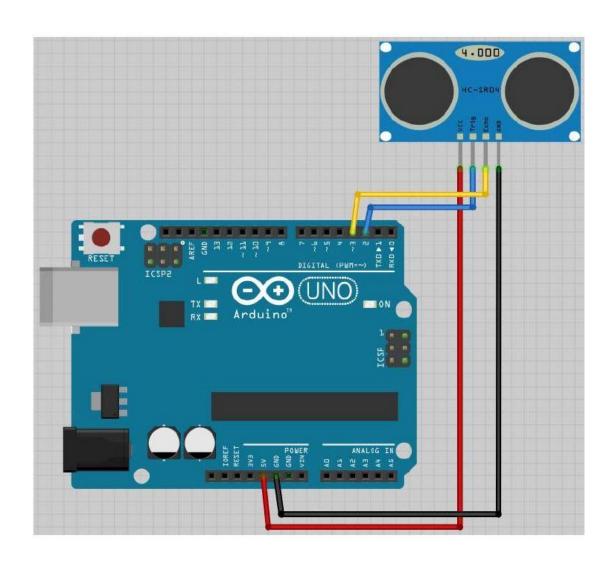




∞	COM3 (Arduino Uno)
190cm	
189cm	
191cm	
191cm	
190cm	
190cm	
190cm	
7cm	
189cm	
190cm	
11cm	
12cm	
11cm	
8cm	
9cm	
8cm	
6cm	
☑ 자동 스크롤	

거리 측정하기





거리 측정하기



```
int trig = 2;
int echo = 3;
```

```
void setup() {
   Serial.begin(9600);
   pinMode(trig, OUTPUT);
   pinMode(echo, INPUT);
```

trigger와 echo pinMode 설정

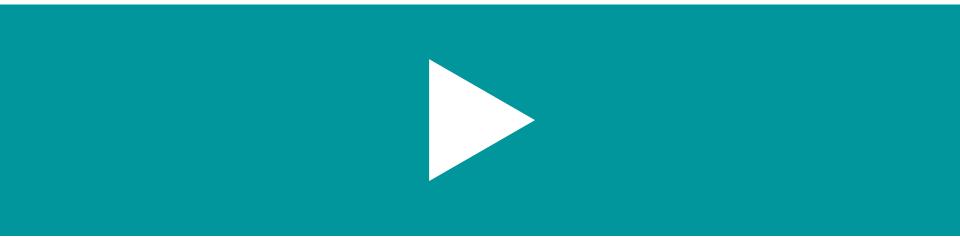
거리 측정하기



```
void loop() {
 digitalWrite(trig, HIGH);
 delay(10);
                                초음파 송신
 digitalWrite(trig, LOW);
                             Echo pin: LOW->HIGH 간격을 측정
 int duration = pulseln(echo, HIGH);
 int distance = (duration/2) /29.1;
                               거리(cm)로 변환
 Serial.print(distance);
 Serial.println("cm");
 delay(300);
```

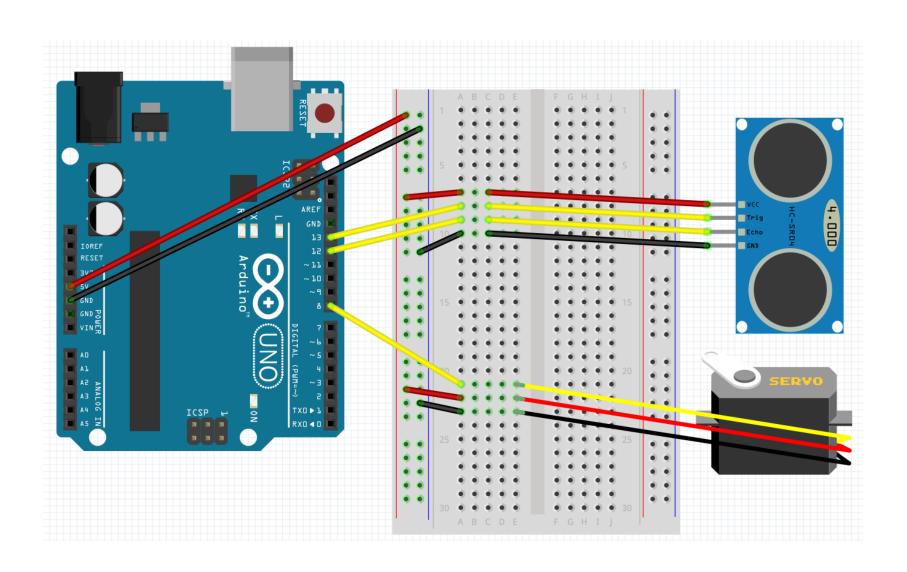
차단기





차단기-1







감사합니다!



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