

## ESP32-CAM TAKE PHOTO AND SAVE TO SD CARD

### **AIM:**

Design and Development of ESP32-CAM take photo and save to SD card.

### **PURPOSE:**

There are so many image recording systems available in market. These kind of systems are helpful for embedded applications like data loggers, wild life monitoring and industrial security systems. But these systems are expensive to use. Here we developed low cost and high reliable image recorder and save them into SD card. This project title is ESP32-CAM take photo and saves to SD card.

### **DESCRIPTION:**

ESP32-CAM has SD card. Button connected to ESP32-CAM digital pin. It has daughter board and it contains 5v DC power supply and all digital pins. ESP32-CAM placed on daughter board.

### **WORKING:**

When we press button then image stored in SD card. We can access video streaming through IP address. ESP32-CAM can connect to WIFI or hotspot and video streaming window display on html webpage.

## **TECHNICAL SPECIFICATIONS:**

### **HARDWARE:**

Microcontroller : Esp32-Cam  
Button : Two pin  
Buzzer : DC 5V  
Power Source : 12v 2 amp Adaptor

### **SOFTWARE:**

Arduino IDE

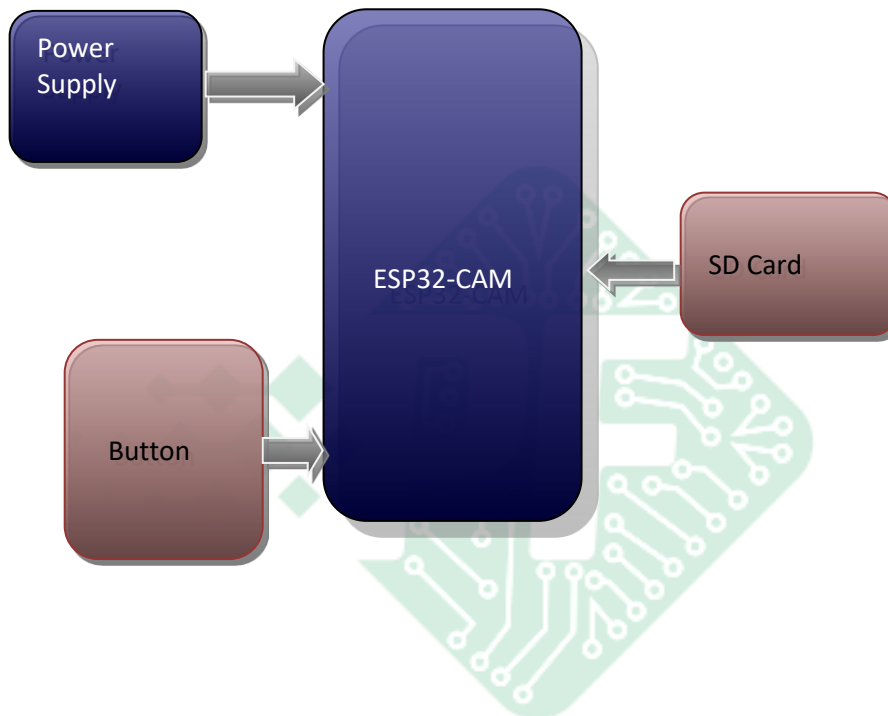
### **APPLICATIONS:**

- Image storing and saving systems
- Animal tracking system



**PROJECTS FACTORY**  
Academic Projects

## BLOCK DIAGRAM:



## POWER SUPPLY BLOCKDIAGRAM:



## INTERFACES COVERED:

- We have covered Esp32-Cam