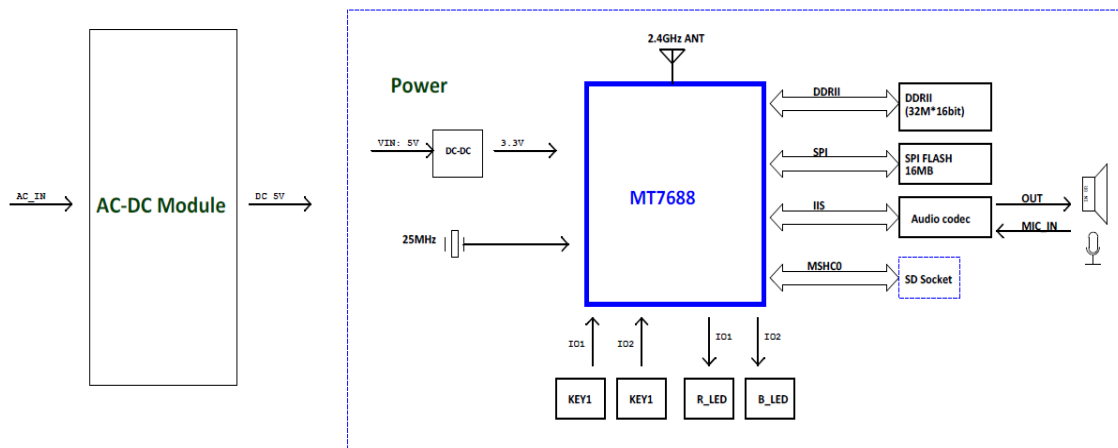


Operational Description

1.Introduction

WiFi Video Doorbell (GT4025) is a smart doorbell. It supports WiFi connection and has functions of real-time video, Full-duplex speech, motion detection, intelligent alarm, infrared night vision and etc in one body. By connecting WiFi, it can be used for home security and remotely care for kids or elders.

2. Interface and function display



MT7688 functions

3. Operational description

MT7688

Support new-age IP camera, integrate ISP, use H.264 CODEC.

RF signals

Support channel 1~11

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437		

Camera

The camera features 1280 x 720 resolution with 1/4-inch optical format.

WiFi module

It combines CMOS MAC, Baseband PHY and RF in a single chip for IEEE 802.11/b/g/n compatible. It supports IEEE802.11i safety protocol, along with IEEE 802.11e standard service quality. It supports the new data encryption on 64/128 bit WEP and safety mechanism on WPA-PSK/WPA2-PSK, WPA/WPA2. It can implement the wireless network function on the laptop/desktop/MID and other wireless devices easily . This module has implemented some efficient mechanisms in its software and hardware to maximize the performance.

RF characters

Hardware Version:	GT4025_M01
Software Version:	E_900.GT4025.018.026
Modulation Type:	DSSS, OFDM
Operating Frequency Range:	802.11b/g/n-20MHz: 2.412GHz - 2.462GHz
Channel Number:	802.11b/g/n-20MHz: 11
Antenna Type:	FPC Antenna
Antenna Gain:	2.1dBi

Optical

F2.8, Focal-length 12mm

Antenna

FPC Antenna.

Crystal oscillator: 25MHz for U1