

# Circuit Description

D816TH

## 1. The power part:

The power is 5V made up of Switching power supply.

## 2. The voltage conversion part:

The voltage conversion by a DC-DC IC and LDO, its function is to supply 1.2V and 3.3V voltage for system.

## 3. The sensor part:

Image is the A7121 sensor chip produced.

## 4. The audio part:

Audio after LM4990 amplification processing, to the main chip.

## 5. The Core part:

The core functions by main chip HPC3129 and SDRAM M12L64164L composition.

## 6. RF part:

RF by A7121 chips. A7121 is a monolithic CMOS integrated circuit for wireless applications in 2.4GHz ISM band.

D804TH

1. The power part:

The power is 12V made up of Switching power supply.

2. The voltage conversion part:

The voltage conversion by a DC-DC IC and LDO, its function is to supply 1.2V , 3.3V and 5V voltage for system.

3. The audio part:

Audio after LM4990 amplification processing, to speaker.

4. The Core part:

The core functions by main chip HPC3129 and SDRAM M12L64164L composition.

5. RF part:

RF by A7121 chips. A7121 is a monolithic CMOS integrated circuit for wireless applications in 2.4GHz ISM band.

## M371TH

### 1. The power part:

The power is 12V made up of Switching power supply.

### 2. The voltage conversion part:

The voltage conversion by a DC-DC IC and LDO, its function is to supply 1.2V , 3.3V and 5V voltage for system.

### 3. The display part:

Image processing by T118EL through 7 inches of liquid crystal display screen.

### 4. The audio part:

Audio after LM4990 amplification processing, to speaker.

### 5. The Core part:

The core functions by main chip HPC3129 and SDRAM M12L64164L composition.

### 6. RF part:

RF by A7121 chips. A7121 is a monolithic CMOS integrated circuit for wireless applications in 2.4GHz ISM band.