

**INTRODUCTION FILE**

**BY**

**HIGHVIEW**



**WIDE ANGLE**

**PANORAMA CAMERA MODULE**

***180 DEGREE ANGLE FOR HORIZONTAL VIEW***

***140 DEGREE ANGLE FOR VERTICAL VIEW***

# Panorama Camera Module

## 1. GENERAL DESCRIPTION

Panorama Camera module is a wide view camera module with two view mode in the same window, that have 180 degree angle of horizontal view and 140 degree angle of vertical view, that would provide more safety view to driver avoid the blind spot

## 2. FEATURES

1/3 inch CMOS Sensor

Wide angle 180 degree.

Top view angle 140 degree.

Lens distortion function.

Low power consume (< 400mw @ 3.3V input, < 500mw @ 12V input)

PCB size 18 x 18 mm

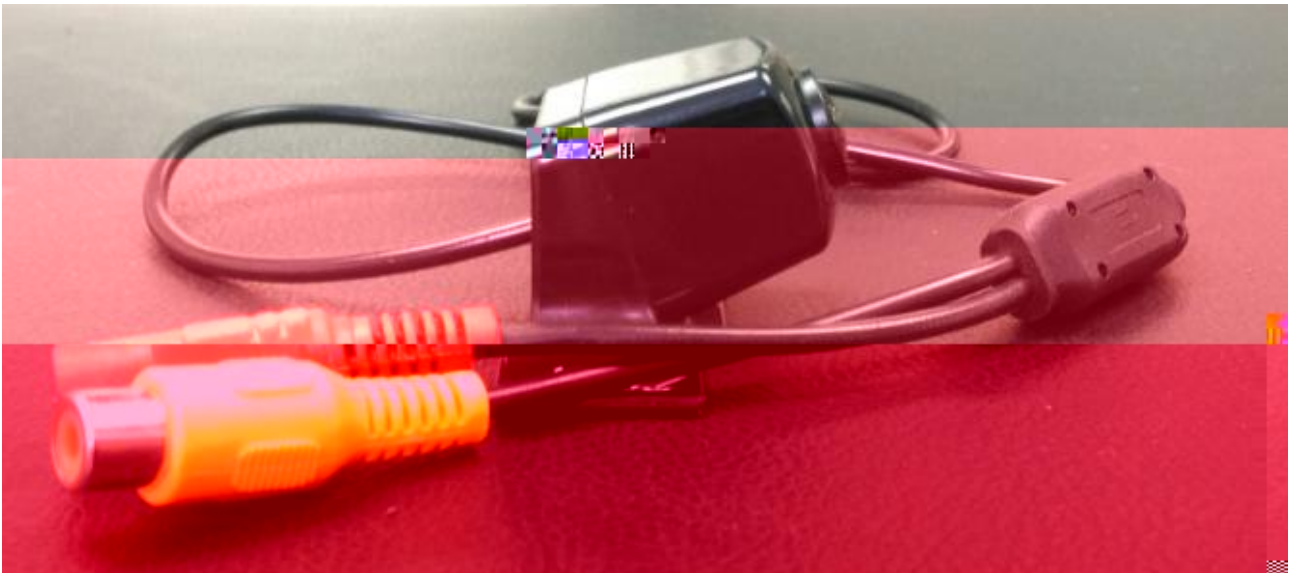
Easy install

## 3. REAL VIEW PICTURE



## Panorama Camera Module

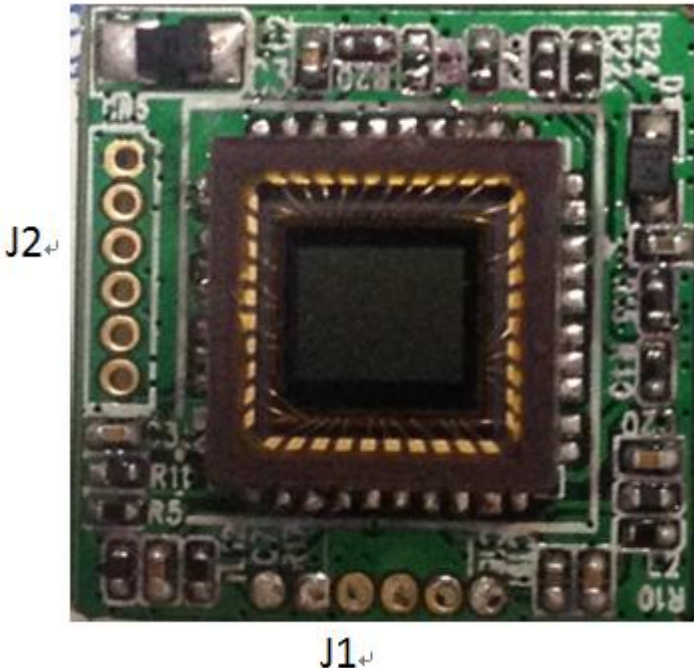
### 4. PRODUCT PICTURE



5. SPECIFICATION

|                       |   |
|-----------------------|---|
| Image Sensor          | 1/3 inch CMOS sensor(PC1089)                    |
| Total Pixels Array    | 762(H) X 504V()                                 |
| ACtice Pixel Array    | 728(H) X 488(V)                                 |
| Shutter               | Rolling Shutter                                 |
| View Mode             | Normal/(Top View/2 Partition/3partition Option) |
| Protocol              | RS232/Key(Optional)                             |
| Parking line          | Option  |
| Power                 | 3.3V  |
| Operation Temperature | -40~85  |
| Storage Temperature   | -40~120   |
| Dimension             | 18mm X 18mm X 1.2mm                             |

6. MODULE PICTURE



### 7. PINS DEFINE

J1:

J1.1 Power: 3.3V input

J1.2 GND

J1.3 CVBS output

J1.4 RXD

J1.5 TXD

J1.6 GPIO for Key

J2: For Debug and Burn Firmware