

## 产品规格书

## Specification

产品名称 (Product): 1/3" CMOS 彩色摄像模组(1/3" CMOS Color camera module)摄像头 (Camera Module): JDCD30S015 G00110版本号 (Version): R1.00镜头 (Lens): 2.5MM(940NM)

客户名称 (Cust.): \_\_\_\_\_

客户型号 (Cust.P/N): \_\_\_\_\_

日期 (Date): \_\_\_\_\_

| 客户 CUSTOMER |          |          | 承制方 MANUFACTURER |          |       |
|-------------|----------|----------|------------------|----------|-------|
| 品质          | 工程       | 审批       | 审核               | 批准       | 销售    |
| Quality     | Engineer | Approved | Checked          | Approved | Sales |
|             |          |          |                  |          |       |

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# 版本更改 Version

| 日期/Date    | 版本/Ver. | 修改版本/Modification        |
|------------|---------|--------------------------|
| 2018-05-11 | R1.00   | 第一版本 (The first version) |
|            |         |                          |
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## 1. 概况 Profile:

JD CD30S015 G00110 CMOS 彩色摄像模组，采用 1/3" CMOS 影像传感器。适用于需要摄取视频信号的各种电子设备中，拥有宽动态，自动避免 50Hz 光源闪烁等功能。

JD CD30S015 G00110 CMOS color camera module, 1/3 "CMOS image sensor. It is applicable to all kinds of electronic devices that need to absorb video signal. It has wide dynamic and can avoid the flashing of 50Hz light source automatically.

## 2. 产品特性 Features

- 输出格式/Output format: yuv4:2:2
- 分辨率/Resolution: 1280\*720
- 宽动态/Wide dynamic range

## 3. 应用范围 Application

- 办公室电子设备 Office electronic device
- 仪器、仪表和测量用具 Equipment & Instrument and measuring tools
- 机器设备 Machine equipment
- 监视设备（车用监视器、便携视频采集、远程监视）  
Supervising equipment (Car Monitor & Portable video capture and remote monitoring)
- 家居用品（可视门铃、可视电话） Home supplies (Video door phone & video phone)

## 4. 电气规格 Specifications

| NO | 项目/Item                    | 参数说明/Specification   |            | 备注/Remark |
|----|----------------------------|--|------------|-----------|
| 1  | 图像传感器/Image sensor         | IMX224 1/3inch CMOS  |            |           |
| 2  | 图像输出格式/Image Output Format | 彩色/COLOR   |            | YUV4:2:2  |
| 3  | 有效像素/Effective image pixel | 1280*720   |            |           |
| 4  | 同步方式/Synchronously         | 独立行、场同步信号<br>Independent line、field synchronization signal                           |            |           |
| 5  | 像素大小/Pixel size            | 3.75um*3.75um  |            |           |
| 6  | 信噪比/ S/N radio             | >48dB  |            |           |
| 7  | 最低照度/Minimum illumination  | 0.01lux/F1.2   |            |           |
| 8  | 曝光/Exposure                | 宽动态, 自动避免 50Hz 光源闪烁<br>Wide dynamic, Automatically avoid flashing 50Hz light sources |            |           |
| 9  | 夜视照明补偿                     | NC   |            |           |
| 10 | 帧率/Frame                   | 25FPS/30FPS  |            |           |
| 11 | 启动时间/PowerUP Time          | <500ms   |            |           |
| 12 | 电源电压/Power Voltage         | DC3.3V   |            |           |
| 13 | 电流/Current consumption     | <200mA   |            |           |
| 14 | 工作温度范围                     | -20℃ ~ 70℃   |            |           |
| 15 | 储存环境温度/ Storage Temp       | -40℃ ~85℃  |            |           |
| 16 | 湿度/Humidity                | 5~95% RH   |            |           |
| 17 | 产品尺寸/Dimension             | 34.1 (L) × 34.22 (W) × 18.9 (H)  |            |           |
| 18 | 镜头参数/Lens Parameter        | 焦距 Focus   | 2.5MM ± 5% |           |
|    |                            | 对角线视角<br>Diagonal view angle   | 130° ± 5%  |           |
|    |                            | 水平视角<br>Horizontal view angle  | 110° ± 5%  |           |
|    |                            | 垂直视角<br>Vertical view angle  | 60° ± 5%   |           |
|    |                            | 对焦距离<br>Focus Distance   | 40CM       |           |
|    |                            | 相对畸变<br>relative distortion  | <-12%      |           |
|    |                            | 光谱特性 Spectrum  | 940nm      |           |

















