

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): JDCC30P032版本号 (Version): R1.00镜头 (Lens): 3.7mm

客户名称 (Customer): \_\_\_\_\_

客户型号 (Cust.P/N): \_\_\_\_\_

日期 (Date): \_\_\_\_\_

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

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## 版本更改 Version

[illegible]

## 1. 概况 Profile:

JDCC30P032 R.00 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，有 PAL 制式、NTSC 制式，智能曝光系统，自动白平衡等功能。

JDCC30P032 R.00 camera module is comprised by 1/3" CMOS Image sensor, it applies to difference electric equipment that need capture video signal. such as PAL system, NTSC system, Intelligent exposure system, automatic white balance and other functions.

## 2. 产品特性 Features

1. 视频输出 ( $1.0 \pm 0.2V_{p-p}$  / 75 欧姆)

Video output ( $1.00 \pm 0.2 V_{p-p}$  / 75 ohms)

2. PAL 制式、NTSC 制式

PAL system, NTSC system

3. 自动白平衡

Automatic white balance

## 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	1/3 inch CMOS	
2	图像制式/Video Format	PAL, NTSC	默认(Default):NTSC
3	有效像素/Effective pixel	968(H) × 488(V)	
4	同步方式/Synchronous mode	内置同步/Internal synchronous	
5	水平解析度/Resolution	600TVL	
6	像素大小/Pixel size	5.00um H * 7.4um V	
7	最低照度/Minimum illumination	0.1LUX(F:1.2)	
8	曝光系统/Exposure system	自动曝光, 自动白平衡 Automatic Exposure, automatic white balanc	
9	电子快门/Electronic Shutter	自动/ Self-motion	
10	视频输出/Video output	1.0±0.2V <sub>p-p</sub> /75 ohm	
11	帧率/Frame rate	25FPS (PAL) /30FPS (NTSC)	
12	输入电压/Input voltage	DC12V	极限范围+9V~+15V Limit Range +9V~+15V
13	功耗/Power Consumption	DC+12V 电压时: 电流为,40mA±10MA DC+12V Voltage: current:40mA±10mA	
14	工作环境温度/Working Temp	-40℃ ~ 70℃	
15	储存环境温度/Storage Temp	-40℃ ~ 105℃	
16	湿度/Humidity	5~95% RH	
17	图像显示方向/Direction	拍摄正立图像时基板放置方位 Front Stand	
18	产品尺寸/Dimension	32mm (L) × 32 mm (W) × 15.7 mm (H)	
19	镜头参数/ Lens Parameter	对角线视角/ Diagonal view angle 85°	940NM IR

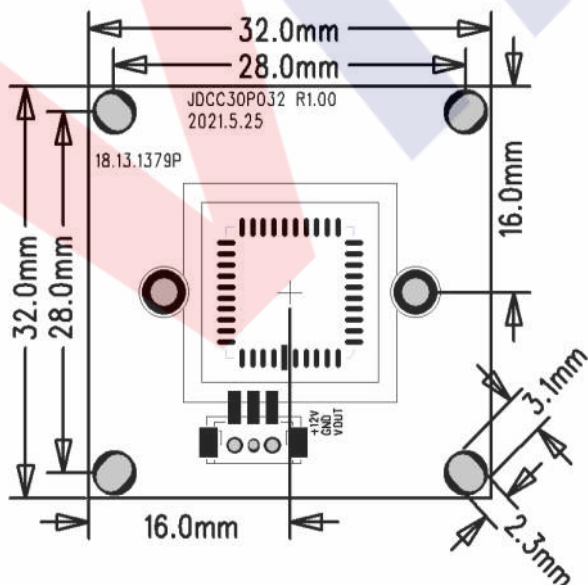
## 5. 可靠性测试 Reliability Testing

NO	试验项目 Testing Item	试验条件 Testing Conditions	判定标准 Judgment Standard
1	高温功能试验 High Temp. Test	+12V 通电, 高温 70℃; 8H 通电 +12V, high temp.70℃; 8H aging test	在 8H 测试中工作正常 Proper Functioning in 8H
2	低温功能试验 Low Temp. Test	+12V 通电, 低温-40℃; 8H 通电 +12V, low temp.-40℃; 8H aging test	在 8H 测试中工作正常 Proper Functioning in 8H
3	温湿度测试 Temp.& Humidity test	温度 70℃; 湿度 93%; 32H 通电 Temp.:70℃; Humidity 93%;32H aging	在 32H 测试中工作正常 Proper Functioning in 32H
4	高温贮存试验 High Temp. storage test	温度 105℃; 8H Temp.:105℃;8H	恢复常温后产品正常 Proper Functioning after test
5	低温贮存试验 Low Temp. storage test	温度-40℃; 8H Temp.: -40℃;8H	恢复常温后产品正常 Proper Functioning after test
6	寿命试验 Aging Test	12V 通电; 连续开关机; 48H 12V DC; Continuous on/off; 48H	在 48H 测试冲击中工作正常 Proper Functioning after 48H
7	间断电源试验 Discontinuous power supply test	常温下各输入 9V\12V\15V, 5 秒循环 开关机。每个电压通电 4H Input 9V\12V\15V,turn on/off in every 5s,test 4H for each voltage	每个电压冲击工作正常 Every Voltage works good after shock
8	静电放电试验 ESD test	接触放电 Contact discharge: 6.0KV 空气放电 Air discharge: 8.0KV 水平/垂直接触放电: 8.0KV Horizontal/Vertical discharge: 8.0KV	产品功能和外观无问题 Function and appearance are all ok
9	振动试验 Vibration test	1.振动标准: (1).振动方向: Y 方向 (2).振动幅度: 2mm (3).振动频率: 10HZ to 50HZ (4).振动表面: 紧靠一角的三个面 (5).振动时间: 30 分钟/每个面 1. Vibration standard: (1).Direction: Y direction (2).Range:2mm (3).Frequency:10HZ to 50HZ (4).Surface:1surface fixed when testing another 3 surface (5). Time: 30mins./every surface	振动后,摄像机结构及功能应正常,所有 配套附件及吸塑不出现异常现象  The camera structure &function working good after vibration, all accessories& blister have no change.

跌落后,摄像机结构及功能应正常,所有配套附件及吸塑不出现异常现象

The camera structure and function is normal after dropped, all of accessories& blister are well.

以下标注尺寸单位为: mm, 公差为 $\pm 0.2\text{mm}$ (已标注公差除外)





正面实物图 (Positive physical drawing)

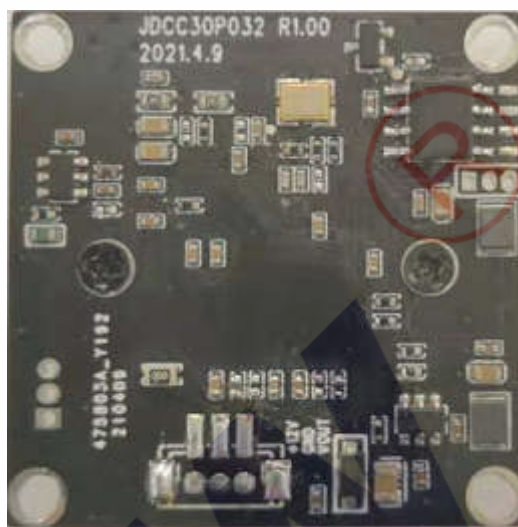


V-OUT

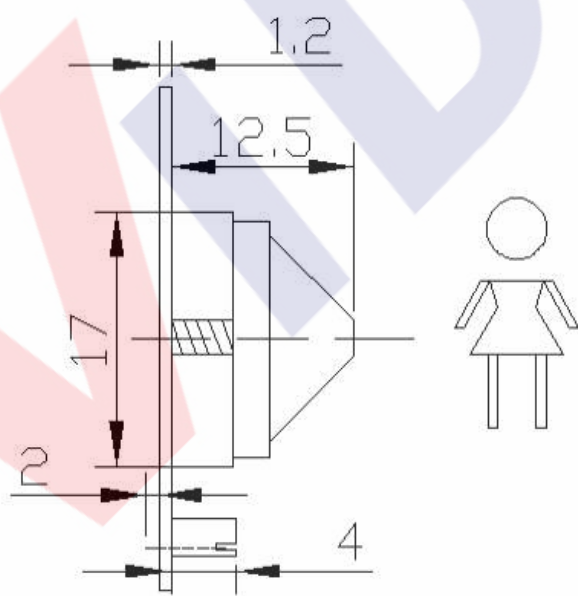
GND

+12V

背面实物图 (Backside physical drawing)

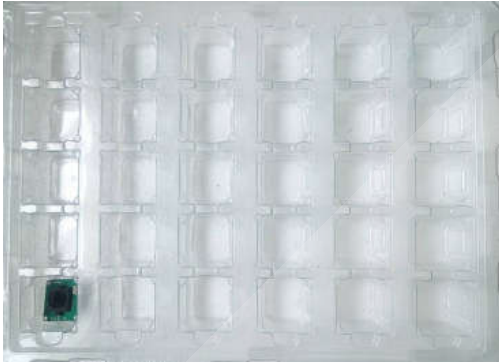


## 侧视图 Side View



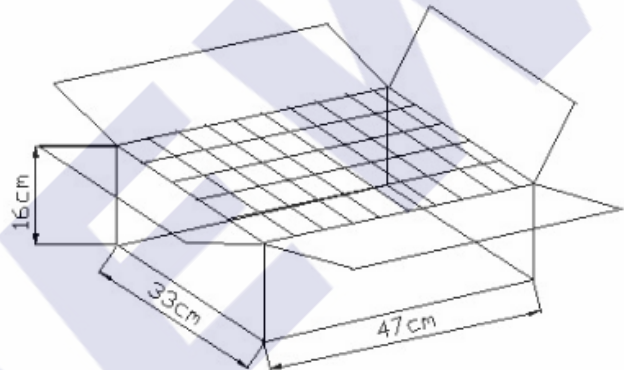
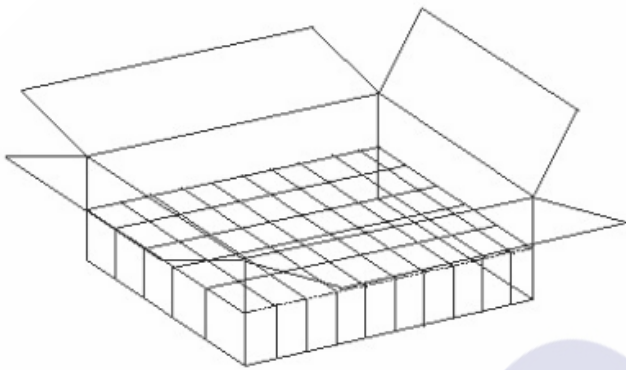


## 7. 包装 Packing



**步骤 1：**将摄像模块放入吸塑盒中，放满为止；

Step1: Put the camera module into the blister box until it is full.

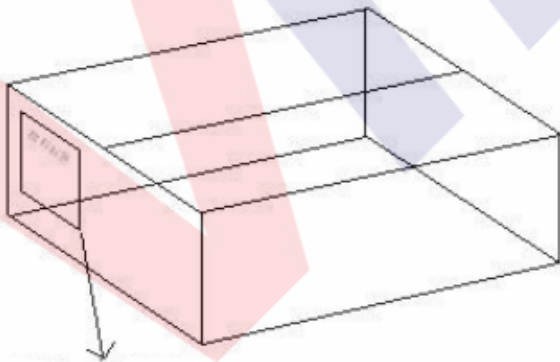


**步骤 2：**将吸塑盒放入纸箱；

Step2: Put the blister box into the carton.

**步骤 3：**逐层放入装有摄像模块的吸塑盒，直到放满为止；

Step3: Place the blister box with the camera module layer by layer until it is full.



**步骤 4：**检验员检验合格后放入合格证，贴好物品标签并用胶纸封好纸箱。

Step4: After inspection, the inspector puts in the certificate of qualification, affixed the label of the goods and sealed the cartons with adhesive paper.

## 8. 外箱标签 Carton Mark

外箱标签的内容如下 The carton box mark include below information:

厂 家 码 Vendor Number :

订 单 号 Order Number :

物料规格 Part Specifications :

原料编号 Part Number :

生产日期 Production Date :

交货数量 Delivery Qty :

保障期限 Delivery Date :

备 注 Remark :

## 9. 注意事项 Notes

- 1、输入电压请勿超过规格书上规定值以免损坏模组。

The input voltage don't exceed the value stated on the specification , in order to avoid damage to the module.

- 2、接口连接线不能接反，接反容易烧坏板子，对产品的使用造成影响。

The connector can't be reversed , reverse burn the board and affect the use of the product.

- 3、此驱动板为电子产品,所以加工、组装、操作时需注意防静电措施，以免影响产品性能。

This is a electronic product, so processing, assembly , operation need to take anti -static measures to avoid affecting product performance.

- 4、镜头是玻璃制品小心拿放，以免破裂。

Lens is glass product, place carefully to avoid breakage.

- 5、镜头是玻璃制品注意防尘、防损，以免影响图像较果。

Lens is glass-made product, please take anti-dust, loss prevention measures to prevent the image quality.

## 10. 命名规则 Naming Rule

**JDCC30P032**

**R:1.00**

硬件版本 Hardware Versions:1.00

编号 Number:

公司代号:深九鼎 (Company: XJD LIMITED)

## 11. 配线 Accessory Cable

无配线

No Accessory