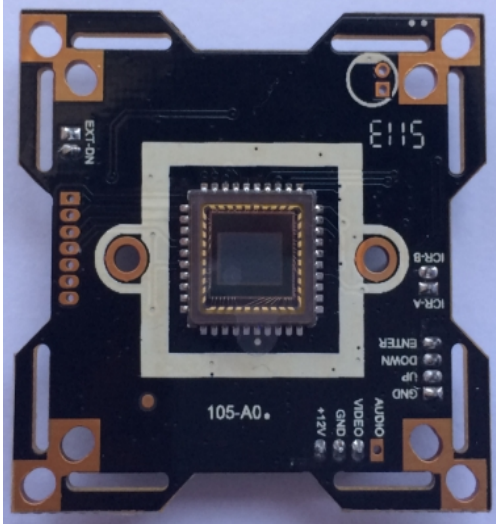


Shenzhen Sunnywale Electronics Inc.

CP8108 Module



Wide Dynamic Range Photosensitive Module

Image Sensor CP8108

Optical format: 1/3-inch CMOS

Pixel size 6.5um * 7.4um

Active imager size 4.732mm(H)

*3.611mm(V)

Active pixels 720(H) * 480(V)

Resolution: 800TVL

Sync. System: Internal

Responsivity : 6.4V/Lux.sec

Minimum Illumination: 0.5 LUX

(F1.2, 5600K)

White Balance: AWB, ATW, MWB

Dynamic Range 120dB

Video out Digital : 10bit, 8bit RGB Bayer,

YCbCr422, RGB565/555, CCIR656

Analog : CVBS(NTSC/PAL) @ 54 MHz

Frame rate 720x480, 30fps @ 54MHz

(YCbCr) 720x480, 60fps @ 27MHz (YCbCr)

Power consumption 340mW

Operating temperature -40 to +105

Sensor Packaging CLCC pins

OSD Menu functions

ON/OFF The Wide Dynamic , or Setting the

Dynamic Range

目前市面上唯一一款物理宽动态CMOS芯片

感光面积 1/3 inch

最高动态范围可达 120dB

有效解决逆光和强光干扰下图像欠曝和过曝的难题

尤其是夜视，红外灯开启不过曝，而且画面层次分明，细节清晰，整体亮度也比其它方案高，看起来更自然通透

帧速为 60帧 比其它方案快了一倍，无拖影

功耗 340mW

工作温度 -40 to +105

封装 CLCC

带OSD菜单功能

可打开&关闭宽动态，也可设置宽动态范围(多档位可调)

功能灵活多变以满足不同客户的需求