

USB Camera Module with H.264&MJPEG output



◆ Description

The 1080P HD H.264 MJPEG USB2.0 CMOS board camera module is ideal for many applications like security systems, portable video system, video phones, industrial machine monitoring and toys. It adopts high quality image sensors made by Micron , one of the world leaders in this field of electronics.

It uses H.264 and MJPEG compression technology to reach high frame rate video output.

◆ Application

Car and ship control, electrical equipment, oil field equipment, industrial equipment, remote site monitoring, environmental monitoring, Video Conferencing ,car tracking system, etc.

◆ Feature

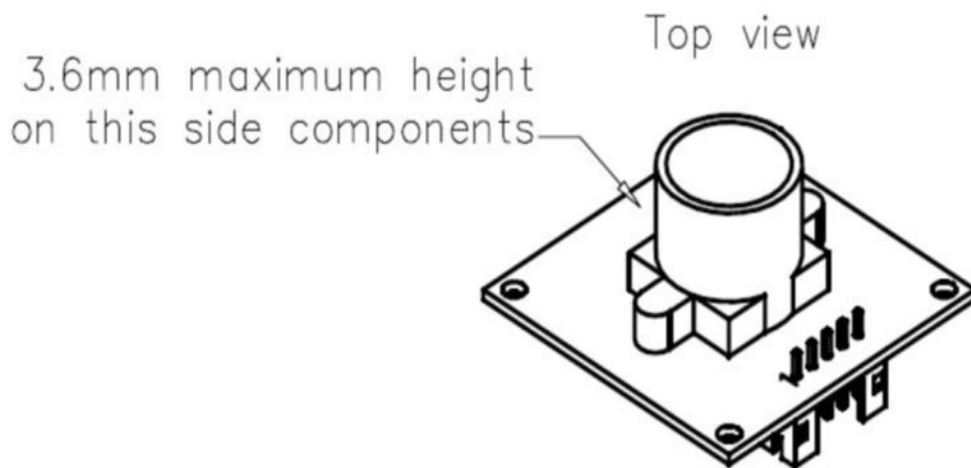
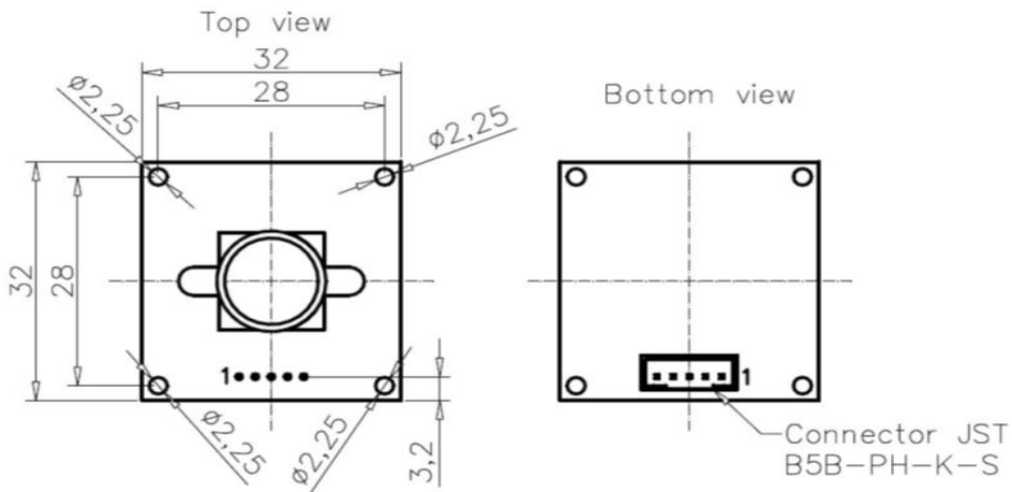
1. CMOS 1080P sensor for high quality image and low power
2. Active pixel technology for sharp image and accurate color
3. Superior low light performance – ideal for any lighting
4. Super small outline and thin profile for embedded
5. High frame rate– deliver 30 fps in 1080P
6. High quality lens for true to life undistorted color image
7. Bus powered with low power consumption – ideal for portable
8. UVC for use in Linux/Android, Windows XP SP2 or above, Windows CE 6.0

◆ Parameters

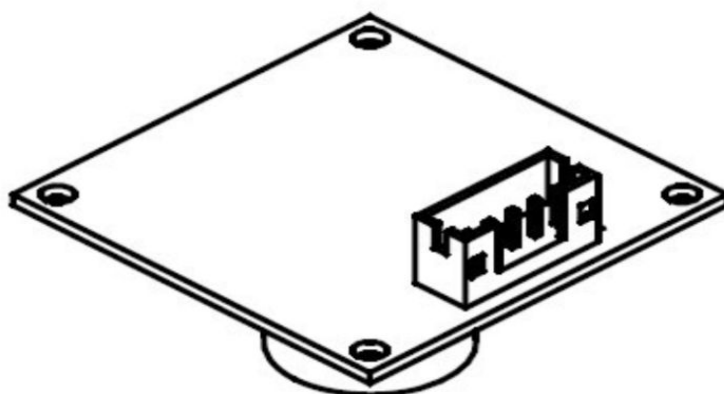
| | |
|-----------------------|---|
| Operating System | Linux 2.6.26 or above, Windows XP SP2 or above, Android, Windows CE |
| DSP | SONIX SN9C5262 |
| Image Sensor | Micron1/3” Color CMOS image sensor ,3MP ,AR0330 |
| Lens | 3MP 5G lens.3.6mm(default), 2.8mm, 6mm,8mm. |
| Effective Pixels : | 1920 (H) x1080 (V) pixels |
| Horizontal view angle | 110° |
| Signal Output | Serial data for USB standard compliant 2.0 and 1.1 |
| Frame Rate | H.264 30fps @1280(H)*1080(V) |
| Power Consumption | 5V,100mA |
| Operating temperature | -20°C-70°C |

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|------------------|-----------|
| Customize | Support |
| Dimensions (mm): | 32mm*32mm |

◆ Board Layout



Bottom view



◆ Pin Definitions

Bottom view

| | | | | | |
|------------|--------|-----|-------|-------|--------|
| Pin Camera | Ground | VCC | DATA- | DATA+ | Ground |
| Pin USB | 4 | 1 | 2 | 3 | 4 |