

## JAL-KC7-HQ08F V2.0

Hynix HI-253 DVP并行接口 固定焦距 200万像素 摄像头模组



摄像头模组型号	<b>JAL-KC7-HQ08F V2.0</b>
图像感光芯片	HI-253
焦距	2.95 mm
光圈	2.8
像素	1600 x 1200 (UXGA)
可视角度	60°
镜头类型	1/5 英寸
镜头尺寸	6.5 x 6.5 x 4 mm
模组尺寸	20.3 x 16.11 mm
模组类型	固定焦距
接口	DVP并行

配对连接器型号: **AXT524124**



主板上的对应连接器。分开售卖。

Version 0.0  
Preliminary



**YACD511SBDBS**

**1/5" 2M Pixels CIS  
with Image Signal Processor  
[Hi-253]**

Camera Module Factory  
www.KailapTech.com

# 1. OVERVIEW

## 1.1. Description

YACD511SBDBC is a high quality 2mega-pixel single chip CMOS image sensor for mobile phone camera applications and digital still camera products.

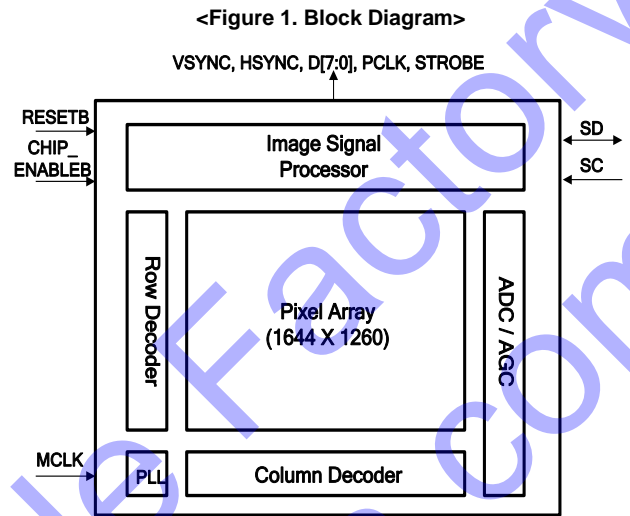
YACD511SBDBC incorporates a 1644 x 1260 pixel array, on-chip 10-bit ADC, and an image signal processor. Unique sensor technology enhances image quality by reducing FPN (Fixed Pattern Noise), horizontal/vertical line noise, and random noise.

## 1.2. Applications

- Mobile Phone Camera / Digital Still Camera
- PC Camera / Video Conference

## 1.3. Key Features

- Pixel Size: 1.75um X 1.75um
- Active Image Size : 2.856mm (H) X 2.156mm(V)
- Resolution: 1,600H X 1,200V
- Optical Format: 1/5 inch
- Frame Rate: 15fps@UXGA, 30fps@SVGA
- Power Supply: 2.8V / 1.8V
- Power Consumption: TBD @ 15fps, UXGA
- ADC: 10bit
- PLL: On Chip
- Operation Temperature: -20 ~ 60°C
- Master Clock: 48MHz(Max)
- Host Interface: two-wire serial bus interface
- Output Format: YUV4:2:2, RGB5:6:5, ITU656-like
- Edge Data for Auto Focus
- Motion Data for Auto Focus
- Windowing: Programmable



- Sub-Sample: 1/2, 1/4 (SVGA, QSVGA)
- Image Scaling : 1x ~ 1/64x
- Image Flip: X/Y Flip
- Auto Exposure
- Auto White Balance
- Anti-Flicker(50Hz / 60Hz): Auto/Manual
- Noise Reduction
- Black Level Calibration
- Strobe Control: Support Xenon / LED Type
- On-Chip Dead Pixel Correction
- Edge Enhancement
- Brightness
- Color Saturation
- Gamma Correction
- Color Correction
- Lens Shading Correction
- Image Effect: Mono, Sepia, Solarization, Negative, Sketch, Embossing