

JAL-KH2-K4700F

Hynix HI-253 DVP Paralelo Interface Foco Fixo 2MP Módulo de Câmera



| | |
|-----------------------------|-----------------------|
| Módulo de câmara No. | JAL-KH2-K4700F |
| Sensor de imagem | HI-253 |
| EFL | 2.95 mm |
| F.NO | 2.8 |
| Pixel | 1600 x 1200 (UXGA) |
| Ângulo de visão | 60° |
| Tipo de lente | 1/5 polegada |
| Dimensões da lente | 6 x 6 x 4 mm |
| Tamanho do Módulo | 14.3 x 7.59 mm |
| Tipo de Módulo | Foco Fixo |
| Interface | DVP Paralelo |

Acasalamento Parte conector No. AXK7L24223G



Conector de acoplamento na placa principal. Vendido separadamente.

Version 0.0
Preliminary

YACD511SBDBS

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

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.

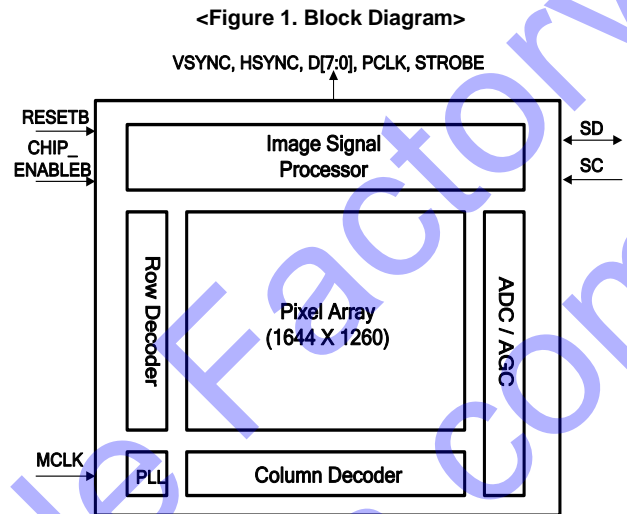
YACD511SBDBC incorporates a 1644 x 1260 pixel array, on-chip 10-bit ADC, and an image signal processor. Unique sensor technology enhances image quality by reducing FPN (Fixed Pattern Noise), horizontal/vertical line noise, and random noise.

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