

## JAL-GC2755-A218F

GalaxyCore GC2755 MIPI Schnittstelle Fixer Fokus 2MP Kameramodul



<b>Kameramodul Nr.</b>	<b>JAL-GC2755-A218F</b>
<b>Bildsensor</b>	GC2755
<b>EFL</b>	2.95 mm
<b>F.NO</b>	2.8
<b>Pixel</b>	1600 x 1200 (UXGA)
<b>Blickwinkel</b>	60°
<b>Linsentyp</b>	1/5 Zoll
<b>Objektivabmessungen</b>	6.5 x 6.5 x 4.15 mm
<b>Modulgröße</b>	17.55 x 10 mm
<b>Modultyp</b>	Fixer Fokus
<b>Schnittstelle</b>	MIPI

**Gegenstecker Teile-Nr. 24-5804-030-000-829**



Gegenstecker auf der Hauptplatine. Separat erhältlich.

## GC2755 product brief



### *1/5" Full HD CMOS Image Sensor*

GC2755 is a high quality Full HD CMOS image sensor, for mobile phone camera applications and digital camera products. GC2755 incorporates a 1936V x 1096H pixel array, on-chip 10-bit ADC.

The full scale integration of high-performance and low-power functions makes the GC2755 best fit the design, reduce implementation process,

and extend the battery life of cell phones, PDAs, and a wide variety of mobile applications.

It provides RAW10 and RAW8 data formats with MIPI interface. It has a commonly used two-wire serial interface for host to control the operation of the whole sensor.

## Application

- Cellular Phone Cameras
- Notebook and desktop PC cameras
- PDA's
- Toys
- Digital still cameras and camcorders
- Video telephony and conferencing equipment
- Security systems
- Industrial and environmental systems

## Product features

- Standard optical format of 1/5 inch
- Output formats: Raw Bayer 10bit/8bit
- Interface support: MIPI(1\_lane/2\_lane)
- PLL support
- Windowing support
- Horizontal /Vertical mirror module

## Product specifications

- Optical Format: 1/5 inch
- Pixel Size: 1.6um x 6um BSI
- Active pixel array: 1936 x 1096
- ADC resolution: 10 bit ADC
- Max Frame rate:  
-1920×1080 30fps@168MHZ,DCLK
- Power Supply:  
-AVDD: 2.7~3.0V  
-DVDD: 1.7~1.9V  
-IOVDD: 1.7~3.0V
- Power Consumption:  
-120mW@full size(Active)  
-<200uA(standby)
- SNR : 38.7dB
- Dark Current: 50 e-/s
- Sensitivity:  $7.24 \times 10^3$  e-/lux-sec
- Dynamic range: 69.5dB
- Operating temperature: -20~70°C
- Stable Image temperature: 0~50°C
- Optimal lens chief ray angle(CRA) : 28°(non-linear)
- Package type: CSP/COB/wafer
- Input clock frequency: 6-27MHz

## Functional block diagram

