

## KLT-C2K-GC2235-A106F

GalaxyCore GC2235 MIPI 인터페이스 고정 초점 2MP 카메라 모듈

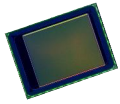


카메라 모듈 번호	<b>KLT-C2K-GC2235-A106F</b>
이미지 센서	GC2235
<b>EFL</b>	2.95 mm
<b>F.NO</b>	2.8
픽셀	1600 x 1200 (UXGA)
보기 각도	60°
렌즈 유형	1/5 인치
렌즈 치수	6.50 x 6.50 x 4.20 mm
모듈 크기	28.01 x 14.84 mm
모듈 유형	고정 초점
인터페이스	MIPI

메이팅 커넥터 부품 번호. **24-5804-024-000-829**



메인 보드의 메이팅 커넥터. 별매.



# GC2235 product brief



## *1/5" UXGA CMOS Image Sensor*

GC2235 is a high quality 2Mega CMOS image sensor, for mobile phone camera applications and digital camera products. GC2235 incorporates a 1616V x 1232H pixel array, on-chip 10-bit ADC, and image signal processor.

The full scale integration of high-performance and low-power functions makes the GC2235 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

- BSI process
- Output formats: Raw Bayer 10bit/8bit
- Support for image sizes: UXGA and 720P
- Interface support:
  - DVP parallel
  - MIPI(1\_lane/2\_lane)
- PLL support
- Windowing support
- Horizontal /Vertical mirror

## Product Specifications

- Optical Format: 1/5 inch
- Pixel Size: 1.75um x 1.75um(BSI)
- Active pixel array: 1616x1232
- ADC resolution: 10 bit ADC
- Max Frame rate: full resolution@30fps
- Power Supply:
  - AVDD28: 2.7~3.0V
  - DVDD18: 1.7~1.9V
  - IOVDD: 1.7~3.0V
- Power Consumption:
  - Active: 140mW
  - Standby: <100uA
- SNR: 37.4 dB
- Dark Current: 60 e-/sec@60°C
- Sensitivity: 6700 e-/lux-sec
- Dynamic Range: 61.7 dB
- Operating temperature: -20~70°C
- Stable Image temperature: 0~50°C
- Optimal lens chief ray angle (CRA): 25°(non-linear)
- Package type: CSP/wafer

## Functional block diagram

