

VGA Camera Sensor Module of GC0308

Key Properties

GC0308 Color Sensor

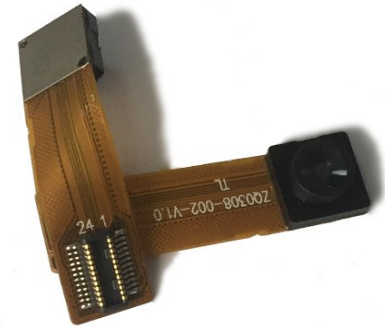
YCbCr4:2:2/RGB565/Raw Bayer Format

Frame Rate: 30fps@24Mhz, VGA

S-mount M5 Lens Holder

Lenses Type: FL1.31mm (FOV(D)140°) Fixed Focus

- (optional)



Application

PC Camera / Wide Angle Image Sensor/ Laser Image Sensor / Toys

Feature

- ◆ 0.3M VGA image sensor GC0308
 - Operation temperature range, from -20°C to +70°C.
- ◆ Fixed focus M5 lenses optional
 - Standard: FL1.31mm(D: 140°)
 - Optional:
- ◆ YCbCr / RGB / Raw Bayer format output support

Introduction

CS03M30M5C1 is a 0.3 MP VGA camera sensor module with wide FOV angle 140° camera lens. It has an ability to stream seamlessly at wide temperature range (-20°C to 70°C). This camera sensor module is based on 1/6.5" GC0308 CMOS digital image sensor with a pixel size of 3.4 μm x 3.4 μm. It is designed with S-mount (M5) lens holder which allows customers to choose and use the M5 compatible lens according to the requirement. The wide FOV angle, small compact size and cost effect let CS03M30M5C1 is a good solution for the laser detection sensor. It also can be modified or custom made replacing the other camera lens modules or FPC cable.

Specifications

Model	CS03M30M5C1
Sensor	GC0308
Image Size	1/6.5 inch
Pixel Size	3.4 μ m
Image Pixels & Resolution	VGA / 648(H) X 488(V)
ADC resolution	10bit ADC
Image Formats	YCbCr4:2:2 / RGB565 / Raw Bayer
Image Transfer Rate	30fps@24Mhz, VGA
Max S/N Ratio	-
Dynamic Range	-
Sensitivity	-
Mini illumination	-
Shutter Type	Electronic rolling shutter / Frame exposure
Connecting Port	FPC C with AXK connector
Auto Exposure Control (AEC)	Support
Auto Exposure Bracketing (AEB)	Support
Auto Gain Control (AGC)	Support
Adjustable Parameters	AE(Auto Exposure), AWB(Auto White Balance) Color Correction, Gamma Correction, Interpolation, Denoise, Edge Enhancement
Lens Parameters	Standard FL1.31mm FOV(D)140°
Lens Holder	Standard M5 lens holder
Operating Voltage	DC 2.8~3.3V
Operating Current	~ 25mA
Operating Temperature	-20 ~ 70°C
Storage Temperature	-20 ~ 80°C
Dimensions	6mm x 6mm
Weight	6~8g

Specifications are subject to change without notice.



Drawing

