

M5 FOV140° Camera Lens Module

for 1/6.5" VGA Sensor

Key Properties

Image Diameter 2.4mm for <1/6.5" Sensor (GC0308)

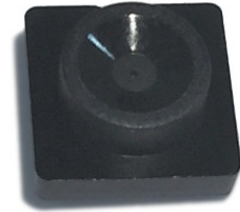
Resolution: VGA

Field of View(FOV): D:140°, H:124°, V:108°

F/No.: 5.45

Lens Mount for M5 x 0.35P

IR Pass Filter Built in, Others Optical Filter Optional



Application

Small Camera Module/ Image Sensor Module

Laser Sensing Application/ IR Sensor Module

Feature

- ◆ FOV 140° wide view angle and glass lens material with good reliability.
 - FOV D: 140°, H: 124°, V: 108°
- ◆ Image diameter 2.4mm can be used for 1/6.5" or smaller dimension VGA sensors.
- ◆ M5 x 0.35P is convenient for standard S-Mount M5 holder.
- ◆ IR pass filter for the infrared light sensing application.
 - The other optical filters optional as your requirement like IR cut filter for color camera or special wavelength band customized.

Introduction

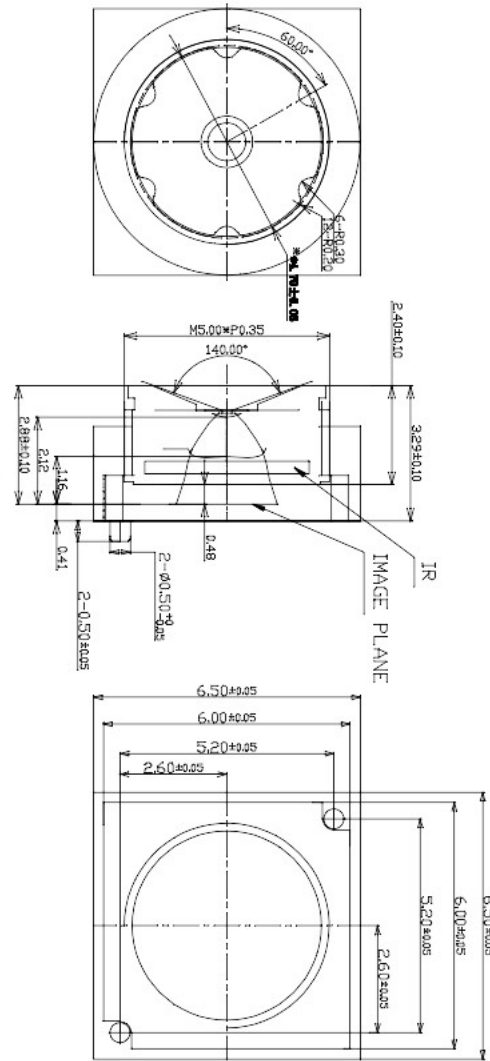
CL5S6.5P3V140 is a 2P(Plastic) elements lens designed for 1/6.5" VGA sensor also can be used for smaller dimension size VGA sensors. The angle is designed to 140 degree FOV with low distortion suitable for image sensor, laser sensing, infrared sensor or gesture sensor applications need the low distortion image and very compact package dimensions size.

This lens has good cost effect, small dimensions size advantages for laser sensing, infrared image sensor, portable device, and robot sensor applications. The M5 designed convenient for the standard S-Mount holder of camera module. If you are looking for a wide view angle lens, it would be a good choice.



Specifications

Lens Mount Type	M5 x P0.35	
Dimension(mm)	Φ5 x 2.4	
Element	2P	
Image Circle(mm)	Φ2.4	
For Sensor Size	1/6.5"	
Focal Length (EFL)	1.31mm ±3%	
Back Focal Length (BFL)	0.48mm ±3%	
F/No. (Infinite)	5.45	
Field of View (FOV)	D	140° ±5°
	H	124° ±5°
	V	108° ±5°
Optical Distortion	55%	
Resolution	0.3MP / VGA	
Chief Ray Angle (CRA)	26.5°	
Relative Illumination	> 68%	
IR Pass Filter Spec. (Others available)		
Tavg ≥ 95%, Tmin ≥ 90% @ 780nm-1000nm, T=50% @ 750nm		
Tavg ≤ 0.5%, Tmax ≤ 2% @ 440nm-700nm,		
Working Temperature	-20°C ~ +60°C	



Specifications are subject to change without notice.

