

Mass production ready wide field-of-view 8 MP camera module. This module is actively aligned for precise focus at both center and edges. Optical position is optimized for thermal drift and module can be supplied with optional heat sink to improve focal drift under demanding applications.



## SPECS

- Lens: F#/2.8, 150° Field of View (FOV)
- Lens alignment: +/- 0.04°, +/- 6 pixel (centration)
- Sensor size: 1/3.2-inch (6.86 mm x 6.44 mm)
- Still image resolution: 8 MP
- Pixel size: 1.4 μm
- Image formats:

MODE	SIZE	FPS	FOV
R1	1280 x 720	60	150°
R2	1280 x 720	50	150°
R3	1920 x 1080	60	150°
R4	1920 x 1080	50	150°
R5	1920 x 1080	30	150°
Photo	3264 x 2448	0	150°

## HOW IT WORKS

- Wide FOV compound lens is actively aligned to a printed circuit board containing a packaged image sensor. Lens is aligned to sensor with consistent centration (+/- 6 pixel) and within 0.05 degrees for exceptional image quality in both center of image and at edges.
- The image sensor supports 1080p/60fps video as well as 5fps full image photo burst mode.

## USE CASES

This camera module can be incorporated in commercial and industrial applications including security cameras, industrial vision systems, or any commercial camera systems that require an inexpensive camera with good image quality at up to 8 MP image resolution and 150° FOV.

