



Applications:

- Smart Phones
- Video Conferencing
- PC ultimedia

Features:

Automatic Controls:

- Automatic Black Level Calibration (ABLC)

Image Quality Controls:

- Bad Pixel Correction
- Lens shading correction

Programmable Controls:

- Frame sync in/out for dual camera sync control
- Mirror /Flip/Windowing/Binning Control
- Manual AEC/AGC/AWB Control
- Two Wire I²C Control with Programmable ID and Pin Select ID Option
- On-chip integrated temperature sensor
- 2k bytes one-time programmable memory (OTP)
- Strobe mode for flash control
- Built-in test pattern generation

Output formats and Interfaces:

- 10-bit raw MIPI CSI-2 4-lane
- 10-bit Quad Bayer/Sum Bayer

Other controls:

- Register group access capability

Key Specifications:

Optical Format	1/3-inch.	
Active Pixel Array	4672H x 3520V	
Pixel Size	1.0 µm x 1.0 µm	
Color Filter Array	Quad Bayer pattern	
Chief Ray Angle	35.2 ° Non-Linear	
Shutter Type	Electronic rolling shutter	
Maximum Frame Rate	4656x3504@30fps 2328x1752@60fps	
Power Supply	Analog	2.7-3.0V (2.8V nominal)
	I/O	1.7-3.0V (1.8V nominal)
	Core	1.14-1.26V (1.2V nominal)
Output Formats	10-bit Quad Bayer/Sum Bayer	
Operating Temperature	-30°C to 85°C	
Storage Temperature	-40°C to 125°C	
Package Dimensions	6,350 µm x 5,792 µm	