



## Applications:

- Automotive
- Security & Surveillance
- Mobile
- Smart Home

## Features:

- High Sensitivity
- High Signal to Noise Ratio
- Low Power Consumption

### Automatic Controls:

- Automatic Black Level (ABLC)

### Image Quality Controls:

- Bad Pixel Correction

### Programmable Controls:

- Frame rate and frame size
- Binning Mode
- Manual AEC/AGC/AWB Control
- Two Wire I<sup>2</sup>C Control with Programmable
- Column and row sub-sampling
- Mirror, flip, windowing and cropping
- Multiple camera frame sync
- Embedded Data Line
- On-chip temperature sensor

### Output formats and Interfaces:

- 10-bit raw MIPI CSI-2 2-lane

### Other controls:

- Register group access capability

## Key Specifications:

<b>Optical Format</b>		<b>1/2.7-inch.</b>
<b>Active Pixel Array</b>		<b>2576H x 1456V</b>
<b>Pixel Size</b>		<b>2.2 µm x 2.2 µm</b>
<b>Color Filter Array</b>		<b>RGB Bayer Pattern</b>
<b>Chief Ray Angle</b>		<b>9 ° Linear</b>
<b>Shutter Type</b>		<b>Electronic Rolling Shutter</b>
<b>Maximum Frame Rate</b>		<b>2k : 40fps</b>
<b>Power Supply</b>	<b>Analog (AVDD)</b>	<b>3.0 – 3.6V (3.3V nominal)</b>
	<b>I/O</b>	<b>1.7 – AVDD</b>
	<b>DVDD</b>	<b>1.2V</b>
<b>Power Consumption</b>	<b>Active</b>	<b>TBD</b>
	<b>Standby</b>	<b>TBD</b>
<b>Output Formats</b>		<b>10-bit RAW</b>
<b>Operating Temperature</b>		<b>-30°C to 85°C</b>
<b>Storage Temperature</b>		<b>-40°C to 95°C</b>
<b>Die Dimensions (µm<sup>2</sup>)</b>		<b>6,660 x 4,490</b>