

## Performance Parameter

|                                           |               |                                                                             |                |
|-------------------------------------------|---------------|-----------------------------------------------------------------------------|----------------|
| <b>Module</b>                             |               | <b>SCM-IMX291-CK29</b>                                                      | <b>REMARKS</b> |
| <b>Image Sensor</b>                       |               | <b>IMX291</b>                                                               |                |
| <b>Image Sensor Size</b>                  |               | <b>1/2.8</b>                                                                |                |
| <b>Effective Pixels</b>                   |               | <b>1920*1080</b>                                                            |                |
| <b>Pixel size</b>                         |               | <b>2.9umX2.9um</b>                                                          |                |
| <b>Optical distortion</b>                 |               | <b>≤0.5%</b>                                                                |                |
| <b>Image sensor Data output</b>           |               | <b>Raw Data 10bits</b>                                                      |                |
| <b>Video output format</b>                |               | <b>MIPI</b>                                                                 |                |
| <b>Maximum Frame Rates and Resolution</b> |               | <b>120fps @ full size with MCLK of 74.25MHz</b>                             |                |
| <b>SNR max</b>                            |               | <b>40dB</b>                                                                 |                |
| <b>Dynamic range</b>                      |               | <b>81dB</b>                                                                 |                |
| <b>Min. Illumination</b>                  |               | <b>≥0.01LUX at F1.2</b>                                                     | <b>NO LED</b>  |
| <b>Digital interface</b>                  |               | <b>Mipi</b>                                                                 |                |
| <b>Transfer rates</b>                     |               | <b>480MB/S</b>                                                              |                |
| <b>Power requirements</b>                 |               | <b>AVDD 2.9 IOVDD1.8 DVDD1.2</b>                                            |                |
| <b>Storage temperature</b>                |               | <b>-20℃to70℃</b>                                                            |                |
| <b>operating temperature</b>              |               | <b>-10℃to60℃</b>                                                            |                |
| <b>Power Consumption</b>                  | <b>NO LED</b> | <b>Max 500mW</b>                                                            |                |
|                                           | <b>IR-LED</b> |                                                                             |                |
| <b>LED IR-850</b>                         |               | <b>NO</b>                                                                   | <b>LED</b>     |
| <b>OS</b>                                 |               | <b>Windows XP /vista/seven/8.1/10/Mac /Android/linux2.6.2(include UVC )</b> |                |
| <b>Lens view</b>                          |               | <b>M12</b>                                                                  | <b>LENS</b>    |
| <b>Lens Construction</b>                  |               | <b>6G+IR</b>                                                                |                |
| <b>F/NO</b>                               |               | <b>2.1</b>                                                                  |                |
| <b>EFL</b>                                |               | <b>3.24mm</b>                                                               |                |
| <b>FOV</b>                                |               | <b>D:105°±3°</b>                                                            |                |
| <b>Shooting distance</b>                  |               | <b>Fixed Focus 30cm-infinity</b>                                            |                |