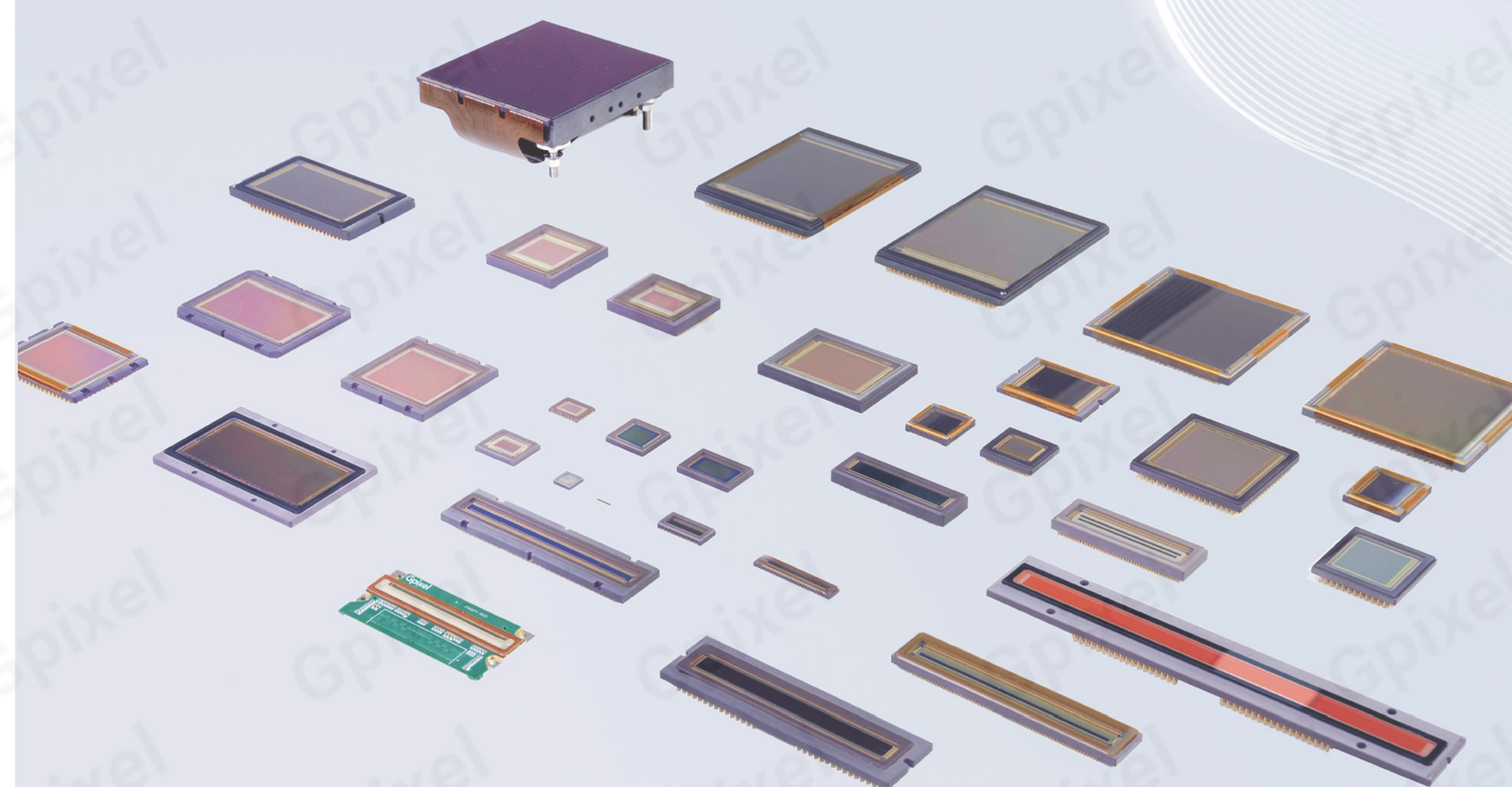


# Advanced CMOS Image Sensors



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| Product                                              | Resolution  | Pixel Size (µm²) | Optical Format     | Shutter Type | PLS (dB)                               | Peak QE                      | FWC Max (ke <sup>-</sup> ) | Temporal Noise Min (e <sup>-</sup> ) | Dynamic Range Max (dB) | ADC (bit) | Max Frame Rate (fps) |
|------------------------------------------------------|-------------|------------------|--------------------|--------------|----------------------------------------|------------------------------|----------------------------|--------------------------------------|------------------------|-----------|----------------------|
| GSPRINT Series                                       |             |                  |                    |              |                                        |                              |                            |                                      |                        |           |                      |
| GSPRINT6502BSI                                       | 2048 x 1152 | 6.5 x 6.5        | 1" 15.3 mm         | Global       | - 80.0                                 | 86% (440 nm)                 | 10.1                       | 21.4                                 | 53.4                   | 10        | 2941                 |
| GSPRINT4502                                          | 2048 x 1216 | 4.5 x 4.5        | 2/3" 10.7 mm       | Global       | - 84.6                                 | 66% (515 nm)                 | 30                         | 3.8                                  | 68.2                   | 12/10/8   | 3462                 |
| GSPRINT5514BSI                                       | 4608 x 3072 | 5.5 x 5.5        | APS-C 30.5 mm      | Global       | - 80.0                                 | 83 % (510 nm)                | 15                         | 1.84                                 | 66.4                   | 12/10     | 670                  |
| GSPRINT4510                                          | 4608 x 2176 | 4.5 x 4.5        | MFT 20.8 mm        | Global       | - 86.0                                 | 67% (550 nm)                 | 30                         | 4                                    | 68                     | 12/10/8   | 1920                 |
| GSPRINT4521                                          | 5120 x 4096 | 4.5 x 4.5        | APS-C 29.5 mm      | Global       | -86.0                                  | 63% (500 nm)                 | 32                         | 3.5                                  | 68                     | 12/10/8   | 1000                 |
| Product                                              | Resolution  | Pixel Size (µm²) | Optical Format     | Shutter Type | Dark Current (e <sup>-</sup> /s/pixel) | Peak QE                      | FWC Max (ke <sup>-</sup> ) | Temporal Noise Min (e <sup>-</sup> ) | Dynamic Range Max (dB) | ADC (bit) | Max Frame Rate (fps) |
| GSENSE Series                                        |             |                  |                    |              |                                        |                              |                            |                                      |                        |           |                      |
| GSENSE6504BSI                                        | 2048 x 2048 | 6.5 x 6.5        | 1.2" 18.8 mm       | Rolling      | 0.004 (-30°C)                          | 95% (450 nm)                 | 15                         | 0.7                                  | 85                     | 12        | 300                  |
| GSENSE2020BSI                                        | 2048 x 2048 | 6.5 x 6.5        | 1.2" 18.8 mm       | Rolling      | 0.07 (-30°C)                           | 95% (560 nm)                 | 55                         | 1.2                                  | 90.5                   | 12/11     | 74                   |
| GSENSE4040                                           | 4096 x 4096 | 9.0 x 9.0        | 3.3" 52.1 mm       | Rolling      | 12.2 (25°C)                            | 74% (600 nm)                 | 74.2                       | 3.7                                  | 86                     | 12        | 24                   |
| GSENSE4040BSI                                        | 4096 x 4096 | 9.0 x 9.0        | 3.3" 52.1 mm       | Rolling      | 0.04 (-40°C)                           | 90% (600 nm)                 | 39.2                       | 2.3                                  | 84.6                   | 12        | 24                   |
| GSENSE1517BSI                                        | 4116 x 4100 | 15.0 x 15.0      | 5.45" 87.1 mm      | Rolling      | 0.008 (-70°C)                          | 92% (450 nm)                 | 70                         | 1.2                                  | 95.3                   | 16        | 4                    |
| GSENSE6060BSI                                        | 6144 x 6144 | 10.0 x 10.0      | 5.4" 86.9 mm       | Rolling      | 0.04 (-40°C)                           | 95% (580 nm)                 | 95                         | 3                                    | 90                     | 14/12     | 26                   |
| GSENSE3243BSI                                        | 8192 x 5232 | 3.2 x 3.2        | 1.2" 31.1 mm       | Rolling      | 7.8 (40 °C)                            | 80% (550 nm)                 | 85                         | 2                                    | 83                     | 14        | 100                  |
| GSENSE6510BSI                                        | 3200 x 3200 | 6.5 x 6.5        | 1.9" 29.4 mm       | Rolling      | 0.2 ( -10°C)                           | 95% (610 nm)                 | 21                         | 0.7                                  | 78.8                   | 12/11/8   | 500                  |
| GSENSE400BSI                                         | 2048 x 2048 | 11.0 x 11.0      | 2" 31.9 mm         | Rolling      | 0.27 (-40°C)                           | 95% (570 nm)                 | 91                         | 1.6                                  | 95                     | 12        | 48                   |
| GSENSE6060                                           | 6144 x 6144 | 10.0 x 10.0      | 5.4" 86.9 mm       | Rolling      | 0.01 (-70°C)                           | 72% (550 nm)                 | 133                        | 4.1                                  | 89                     | 14/12     | 44                   |
| GSENSE1081BSI                                        | 8900 x 9120 | 10.0 x 10.0      | 7.96" 127.4 mm     | Rolling      | 0.00373 (-70°C)                        | 97% (610 nm)                 | 90.7                       | 5.4                                  | 84.5                   | 16/15     | 0.9                  |
| Product                                              | Resolution  | Pixel Size (µm²) | Optical Format     | Shutter Type | Dark Current (e <sup>-</sup> /s/pixel) | Peak QE                      | FWC Max (ke <sup>-</sup> ) | Temporal Noise Min (e <sup>-</sup> ) | Dynamic Range Max (dB) | ADC (bit) | Max Frame Rate (fps) |
| GLUX Series                                          |             |                  |                    |              |                                        |                              |                            |                                      |                        |           |                      |
| GLUX9701BSI                                          | 1280 x 1024 | 9.76 x 9.76      | 1" 16.0 mm         | Rolling      | 0.08 (-28°C)                           | 89% (610 nm)                 | 48                         | 0.9                                  | 89.5                   | -         | 30                   |
| GLUX1605BSI                                          | 800 x 600   | 16.0 x 16.0      | 1" 16.0 mm         | Rolling      | 0.22 (-33°C)                           | 91% (550 nm)                 | 73.4                       | 0.9                                  | 93                     | 12        | 60                   |
| Product                                              | Resolution  | Pixel Size (µm²) | Optical Format     | Shutter Type | Max. SNR (dB)                          | Peak QE                      | FWC Max (ke <sup>-</sup> ) | Temporal Noise Min (e <sup>-</sup> ) | Dynamic Range Max (dB) | ADC (bit) | Max Frame Rate (fps) |
| GCINE Series                                         |             |                  |                    |              |                                        |                              |                            |                                      |                        |           |                      |
| GCINE3243                                            | 8192 x 5232 | 3.2 x 3.2        | APS-C 31.1 mm      | Rolling DSC  | 50                                     | 80% (550 nm)                 | 96                         | 2.5                                  | 81                     | 14        | 120                  |
| GCINE4349                                            | 8192 x 6000 | 4.3 x 4.3        | Full Frame 43.7 mm | Rolling DSC  | 52.1                                   | 85% (500 nm)                 | 152                        | 1.9                                  | 86.4                   | 16        | 240                  |
| Product                                              | Resolution  | Pixel Size (µm²) | Optical Format     | Shutter Type | Max. SNR (dB)                          | Peak QE                      | FWC Max (ke <sup>-</sup> ) | Temporal Noise Min (e <sup>-</sup> ) | Dynamic Range Max (dB) | ADC (bit) | Max Frame Rate (fps) |
| GTOF Series                                          |             |                  |                    |              |                                        |                              |                            |                                      |                        |           |                      |
| GTOF0503                                             | 640 x 480   | 5.0 x 5.0        | 1/4" 4.0 mm        | Global       | 40.0                                   | 31% (850 nm)<br>14% (940 nm) | 9                          | 8.2                                  | 60.8                   | 11        | 60                   |
| Product                                              | Resolution  | Pixel Size (µm²) | Optical Format     | Shutter Type | Peak QE                                |                              | FWC Max (ke <sup>-</sup> ) | Temporal Noise Min (e <sup>-</sup> ) | Dynamic Range Max (dB) | ADC (bit) | Max Line Rate (kHz)  |
| GIR Series                                           |             |                  |                    |              |                                        |                              |                            |                                      |                        |           |                      |
| GIR2505                                              | 512 x 2     | 25.0 x 25.0      | 12.8 mm            | Global       | 75% (1550 nm)                          |                              | 85                         | 116                                  | 70                     | 12        | 40.4                 |
| GIR1201                                              | 1024 x 1    | 12.5 x 12.5      | 12.8 mm            | Global       | 75% (1550 nm)                          |                              | 120                        | 88                                   | 72                     | 12        | 71.9                 |
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