SOI has launched a series of new area sensors targeted at various applications in the mobile consumer market, notebook, tablet, security, and PC cam segments. Depending on market requirements, we have a portfolio of both raw or SOC sensors. We work with leading ISP and multimedia processor partners to provide the best technical solution and low cost raw sensor combination to our end customers. Our highly integrated SOC sensors have an on-chip ISP that performs sophisticated image processing functions such as color recovery and correction, lens shading correction, noise reduction, edge enhancement, gamma correction, image down scaling, defect correction, auto black level calibration, auto exposure (AE) and auto white balance (AWB). These SOC sensors basically enable our customers to have a one-stop solution for a camera on a chip.

Our sensors are designed with superior low-light sensitivity and low dark-current performance. We have collaborated with world-class foundry partners to customize processes that allow us to bring this level of performance in a competitive cost/performance ratio. In addition to silicon foundry partners, SOI has also established a back-end supply chain that can provide sensors in a variety of package formats.For mobile market, either chip-scale-package (CSP) or chip-on-board (COB) formats are available. For IP cam or security markets, SOI can supply ceramic or organic leadless carrier packages.

SOI Available Product List

Part Number	Resolution	Pixel Size	Optical Format	Frame Rate	Package	Solution
JX-V01	VGA	5.6	1/4"	100fps	CSP	RAW
JX-H42	720p	3.0	1/4"	60fps	CSP	RAW
JX-H62 *New!*	720p	3.0	1/4"	60fps	CSP	RAW
JX-H61	720p	3.75	1/3"	60fps	CSP	RAW
JX-H65 *New!*	960P	3.75	1/3"	60fps	CSP	RAW ; HDR available
JX-F02	1080p	3.0	1/2.7"	60fps	CSP	RAW ; HDR available
JX-F22 *New!*	1080p	3.0	1/2.7"	60fps	CSP	RAW ; HDR available
JX-K02 *New!*	4MP	2.2	1/2.7"	60fps	CSP	RAW ; HDR available