

ISM-IMX326

MIPI SENSOR MODULE

The iENSO MIPI sensor module ISM-IMX326 is superbly adaptable to iENSO's embedded ecosystem of SOMs, camera modules, and wireless connectivity modules.

The ISM-IMX326 uses SONY's IMX326 sensor with STARVIS technology. STARVIS technology applies a back-illuminated pixel structure, which is more efficient in collecting light to reach high sensitivity and realize high quality in the visible-light and near-infrared light regions.

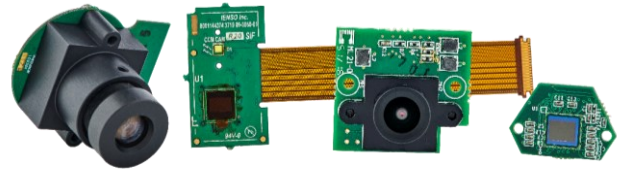
The SONY IMX326 sensor features a type 1/2.9" color CMOS with 6.8M effective pixel to achieve 3086 x 2196 resolution with digital overlap HDR supported and it's suitable for various types of iENSO lenses.

APPLICATIONS

- Surveillance cameras
- Trail and Hunting cameras
- Industrial
- Precision Farming
- IoT & Embedded vision

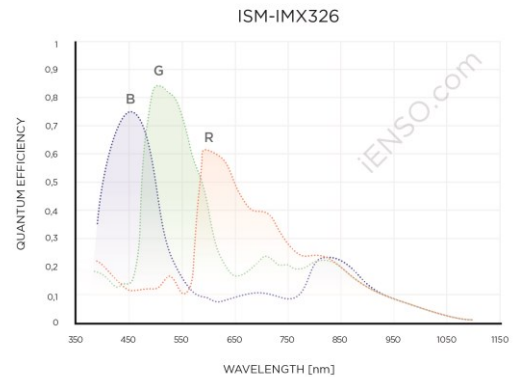
KEY SPECIFICATIONS

- Framerate: 60 fps at 10 bits (30 fps at 12 bits) over 4-lane MIPI CSI-2 10/12-bit interface.
- Pixel details: 1.62 μm , 3086 x 2196 array (approx. 4:3), Exmor R / STARVIS BSI, DOLHDR, rolling shutter.
- Package/Environmental: ceramic LGA with 92 pins, -10°C to 60°C sensor ambient operating temperature.

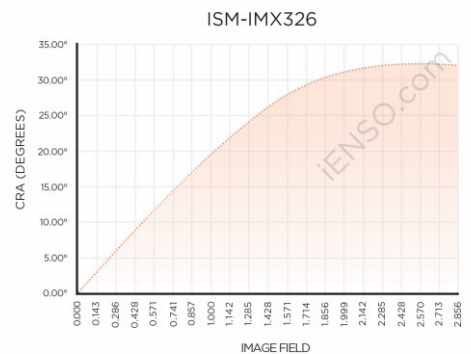


reference

SPECTRAL RESPONSE



CHIEF RAY ANGLE



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Maker	ON Semi	Silicon Optonics		ON Semi	Sony	OmniVision	Sony
Sensor	AR0144	JX-F22	JX-K02	AR0521	IMX326	OV8865	IMX317
Megapixels (MP)	1.0	2.1	4.1	5.0	6.8	8.0	8.5
Frame Rate (fps)	60	60	60	60	30	30	60
Optical Format (inch)	1/4	1/2.7	1/2.7	1/2.5	1/2.9	1/3.2	1/2.5
Pixel size (µm)	3.0	3.0	2.2	2.2	1.62	1.4	1.62
Benefits	<ul style="list-style-type: none"> HDR Low Light Near IR enhanced 	<ul style="list-style-type: none"> HDR Low light 	<ul style="list-style-type: none"> On-chip ISP HDR Low light 	<ul style="list-style-type: none"> HDR BSI Low light 	<ul style="list-style-type: none"> BSI Low light HDR Near IR enhanced 	<ul style="list-style-type: none"> BSI 	<ul style="list-style-type: none"> HDR BSI

THE RIGHT EMBEDDED VISION SYSTEM FOR YOUR APPLICATION

CONSISTENT QUALITY: From six-axis lens alignment to consistently accurate color quality, to AI and ubiquitous connectivity, we guarantee that every iENSO embedded vision system will perform to spec.

SECURE SUPPLY: With iENSO engineers on the floor in all of our manufacturing partner facilities, we guarantee the quality and quantity of supply you need to make your application a success.

COMPELLING ECONOMICS: With our years of experience in the design and development of industrial, machine and consumer vision technologies, we can provide a cost-effective, no compromise embedded vision solution for your application.

ABOUT iENSO

Established in 2003, iENSO provides imaging and wireless solutions that are helping global brands take their products to the next level in the age of embedded systems and AI platforms. iENSO accelerates the deployment of innovative imaging and wireless products in a wide range of verticals such as IoT, home automation, automotive,

drones, professional entertainment, robotics, remote surveillance and security. With offices in Canada and China, iENSO has perfected the engineering ecosystems that exist between initial design and high-volume manufacturing.



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