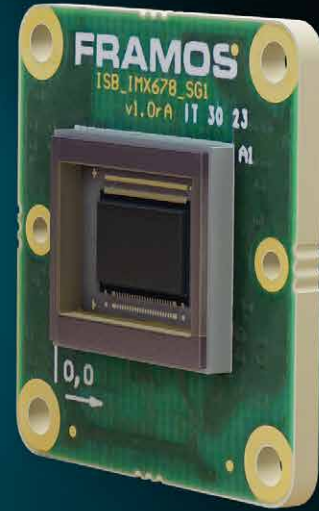


FSM:GO – Sony-equipped sensor modules with a selection of precision-focused lenses, built for an array of embedded vision applications. FSM:GO delivers unmatched image quality and flexibility, ready to elevate your project right out of the box.

FSM:GO



SECURITY



WEB CAMERAS



DRONES



TRAFFIC



SPORTS ANALYTICS



MAPPING



AMR/AGV



MEDICAL STREAMING

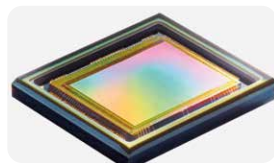


INDUSTRIAL
AUTOMATION



SURVEYING

Embedded vision system development poses many complex and time-consuming challenges.



Selecting the right sensor

Selecting sensors aligned with application needs and seamlessly pairing them with lenses demands a meticulous understanding of resolution, sensitivity, focal length, and other critical specifications.



Tuning the ISP

Achieving accurate color balance, contrast, and noise reduction without compromising image sharpness demands expertise in adapting the ISP to specific applications and varying lighting conditions.



Application-specific focus distance

Ensuring precise focus at application-specific distances is a significant challenge. Balancing depth of field, maintaining mechanical stability, and addressing environmental factors are essential considerations.

FSM:GO Product Line

FSM:GO offers a curated optical sensor module package starting with the image sensor, seamlessly paired lenses, and precision focus options, ready to GO for your specific vision application.



Single Board Design



Standard Lens Focusing



Consistent Quality Guarantee



Nvidia Jetson and NXP i.MX8MP Supported



Application Specific Configurability



Multiple Interface Options (PixelMate™ + GMSL / FFC / MicroCoax)

FSM:GO SONY IMX662






FSM:GO SONY IMX678



FSM:GO SONY IMX676



Interfaces Options

		Embedded System Type	
	PixelMate	<ul style="list-style-type: none"> + Simple, Reliable connection + Good fit, easy handling + All sensor signals - Limited bending / twisting - Limited cable length 	<p>Small-Medium Devices</p> <ul style="list-style-type: none"> • Handhelds / Scanner • Cameras • Drones
	MicroCoax	<ul style="list-style-type: none"> + Excellent bending and twisting characteristics + Good fit, lockable - Handling in production - Limited cable length 	<p>Medium Sized, difficult routing</p> <ul style="list-style-type: none"> • Stationary / Scanner • Integrated Robots • Whitegoods • Larger Drones
	GMSL	<ul style="list-style-type: none"> + Cable length (up to 15 m) + Robust and lockable + Good bending and twisting + Easiest to handle, affordable - Additional power consumption - Increases size 	<p>Large Machines</p> <ul style="list-style-type: none"> • Heavy Robots (Production) • Vehicles, Machines (AMR, Agriculture, Construction)

Experience unparalleled image quality and ISP Tuning precision with our fixed/glued lens solutions!

FSM:GO offers a curated optical sensor module package starting with the image sensor, seamlessly paired lenses, and precision focus options, ready to GO for your specific vision application.

Empowering embedded vision integrators and manufacturers with ready-to-use, high-quality sensor modules, saving time and resources.

FRAMOS with FSM:GO is your partner through the product lifecycle, offering tailored vision solutions and reliable support.

Consistent Quality Guarantee

Knowledge and experience of FRAMOS in-house engineers, imaging specialists and production team combined with long-term supplier relationships ensure the performance you've requested.

Simplify Your Imaging Journey - Explore **FSM:GO** Now

FSM:GO IMX662

Optical Sensor Modules



- 2K / FHD Streaming
- Best Sensitivity & SNR: Low light and night applications
- Starvis 2 / Rolling Shutter
- 2.9 μm Pixel Size
- Classification, Identification
- High Dynamic Range
- 1920 x 1080 at up to 97 FPS
- 1/2.8" Optical Format

FSM:GO IMX662 VARIANTS

2MP / 2K optical sensor module with Sony Starvis2 low-light image sensor



Narrow Lens

- FOV (H) 58°
- IR cut (650 nm)
- F/1.9
- M12 X 0.5



Medium Lens

- FOV (H) 86°
- IR cut (660 nm)
- F/2.2
- M12 X 0.5



Wide Lens

- FOV (H) 137°
- IR cut (650 nm)
- F/1.7
- M12 X 0.5

FSM:GO IMX676

Optical Sensor Modules



- 1:1 square optical format
- Best Sensitivity & SNR applications
- Starvis 2 / Rolling Shutter
- 2.9 μm Pixel Size
- Panoramic stitched Images
- High Dynamic Range
- 3552 x 3556 at up to 64 FPS
- 1/1.6" Optical Size

FSM:GO IMX676 VARIANTS

12.6MP / 1:1 format optical sensor module with Sony Starvis2 low-light image sensor



Narrow Lens

- FOV (H) 16°
- IR cut (650 nm)
- F/2
- M12 X 0.5



Medium Lens

- FOV (H) 92°
- IR cut (660 nm)
- F/2.7
- M12 x 0.5



Wide Lens

- FOV (H) 102°
- IR cut (650 nm)
- F/2.7
- M12 x 0.5



Ultra Wide Lens

- FOV (H) 185°
- IR cut (650 nm)
- F/2
- M12 x 0.5

FSM:GO IMX678

Optical Sensor Modules



- 4K / UHD streaming
- Best Sensitivity & SNR applications
- Starvis 2 / Rolling Shutter
- 2.9 μ m Pixel Size
- Still Imaging
- High Dynamic Range
- 1920 x 1080 at up to 97 FPS
- 1/2.8" Optical Size

FSM:GO IMX662 VARIANTS

2MP / 2K optical sensor module with Sony Starvis2 low-light image sensor



Narrow Lens

- FOV (H) 54°
- IR cut (650 nm)
- F/2
- M12 X 0.5



Medium Lens

- FOV (H) 100°
- IR cut (660 nm)
- F/2.7
- M12 X 0.5



Wide Lens

- FOV (H) 110°
- IR cut (650 nm)
- F/2
- M12 X 0.5



Local Assembly Expertise

Executing in-house assembly, supported with trusted suppliers and partners and combined with optical production know-how and engineering level collaboration.



QA & Compliance Specs

Adhering to strict Quality Assurance and compliance specifications, ensuring consistent and reliable performance while meeting industry standards.



Volume from Stock

Enabling quick and efficient access to desired quantities, streamlining production processes and reducing lead times.



Long Term Availability

Ensuring long-term availability, providing continuous support for projects and sustained access to its advanced capabilities.

Save Time and Money

Rely on FRAMOS Consistent Quality Guarantee
Get the Best Off-The-Shelf Image Quality

FSM:GO



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