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





DRONES



INDUSTRIAL AUTOMATION



SPORTS ANALYTICS



SURVEYING

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



Selecting the Right Sensor and Lens

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

Achiving 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 Lens Focusing

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.



MAPPING



AMR/AGV

MEDICAL STREAMING

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.





Standard Lens Focusing



Consistent Quality Guarantee



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



FSM:GO SONY IMX662

Interfaces Options

Application

. Configurability

Specific

	Embedded System Type		
PixelMate™	 + Simple, reliable, affordable + All sensor signals, standardized pinout + High-Density, Small Footprint + Easy to Plug, Self-Aligning 	Small- Medium Devices	Handhelds / ScannerCamerasDrones
MicroCoax	 + Excellent bending and twisting characteristics + Ideal for difficult cable routing + Good fit, lockable 	Medium Sized, difficult routing	 Stationary / Scanner Integrated Robots Whitegoods Larger Drones
GMSL	 + Cable length up to 15m + Good bending and twisting + Automotive/Industrial grade robustness + Easiest to Plug 	Large Machines	 Heavy Robots (Production) Vehicles, Machines (AMR, Agriculture, Construction)

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

FSM:GO debuts with a trio of models, each featuring Sony's advanced Starvis2 sensor technology. Select from the 2MP IMX662, the 8MP IMX678, and the 12MP IMX676, each tailored to deliver optimal performance across a range of applications.

Empowering embedded vision device and machine builders 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



Highlights:

- Ideal for 2K and FullHD streaming
- Highest sensitivity & SNR for low light scenarios
- Great for AI Applications: Classification, Identification

Specification:

- Sony Starvis 2 / Rolling Shutter Sensor
- 1920 x 1080 at up to 97 FPS
- 2.9 µm Pixel Size
- 1/2.8" Optical Size
- High Dynamic Range

FSM:GO IMX662 VARIANTS

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

ERAMOR CONTRACTOR	FRAMOS	FRAMOS
Narrow Lens	Medium Lens	Wide Lens
• FOV (H) 58°	• FOV (H) 86°	• FOV (H) 137°
 IR cut (650 nm) 	 IR cut (660 nm) 	 IR cut (650 nm)
• F/1.9	• F/2.2	• F/1.7
• M12 X 0.5	• M12 X 0.5	• M12 X 0.5

FSM:GO IMX676

Optical Sensor Modules





Highlights:

- 12MP in 1:1 square optical format
- High sensitivity & SNR for low light scenarios
- Unique fit for 360°, Panoramic and Digital Twin applications

Specification:

- Sony Starvis 2 / Rolling Shutter Sensor
- 3552 x 3552 at up to 64 FPS
- 2 µm Pixel Size
- 1/1.6" Optical Size
- High Dynamic Range

FSM:GO IMX676 VARIANTS

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

C C C C C C C C C C C C C C C C C C C	FRAMOS	FRAMOS CONTRACTOR	
Narrow Lens	Medium Lens	Wide Lens	Ultra Wide Lens
 FOV (H) 16° IR cut (650 nm) F/2 M12 X 0.5 	 FOV (H) 92° IR cut (660 nm) F/2.7 M12 x 0.5 	 FOV (H) 102° IR cut (650 nm) F/2.7 M12 x 0.5 	 FOV (H) 185° IR cut (650 nm) F/2 M12 x 0.5

FSM:GO IMX678

Optical Sensor Modules



- Sony Starvis 2 / Rolling Shutter Sensor
- 3840 x 2160 at up to 72 FPS

Specification:

- 2 µm Pixel Size
- 1/1.8" Optical Size
- High Dynamic Rang

FSM:GO IMX678 VARIANTS

4K optical sensor module with Sony Starvis2 low-light image sensor



- F/2
- M12 X 0.5
- F/2.7 • M12 X 0.5
- 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.



Volume from Stock

Save Time

and Money

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



QA & Compliance Specs

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



Long Term Availability

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

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







