

Product Datasheet

FFA-GMSL3-Kit



GMSL3 SerDes Kit

Extend the cable length of the **FSM:GO** and the **FSM Ecosystem** to more than 14 meters of single wire-coax!

What is in the kit?

- All you need to add **GMSL3** to an **FSM:GO** or **FSM+FSA**.
- Includes Serializer, Deserializer, Cables and PSU.
- Transfer MIPI CSI-2 with up to 12 Gbit/s over 14 m.
- Combined data and power over a single coax cable.
- Built with durable automotive-grade standards.

Documentation
docs.framos.com

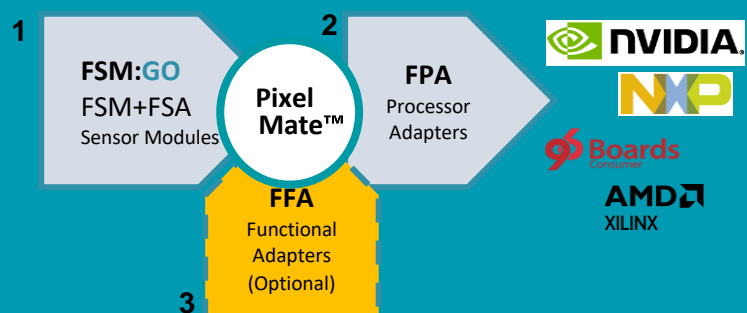
Software
www.github.com/framosimaging

Technical Support:
support@framos.com

Did you know?

- **FFA Kits (3)** are optional and integrate seamlessly into the FSM Ecosystem.
- They connect directly in between the **FSM (1)** and the **FPA (2)** for the respective processor board/developer kit and adapt the interface to your needs!

FSM Ecosystem:



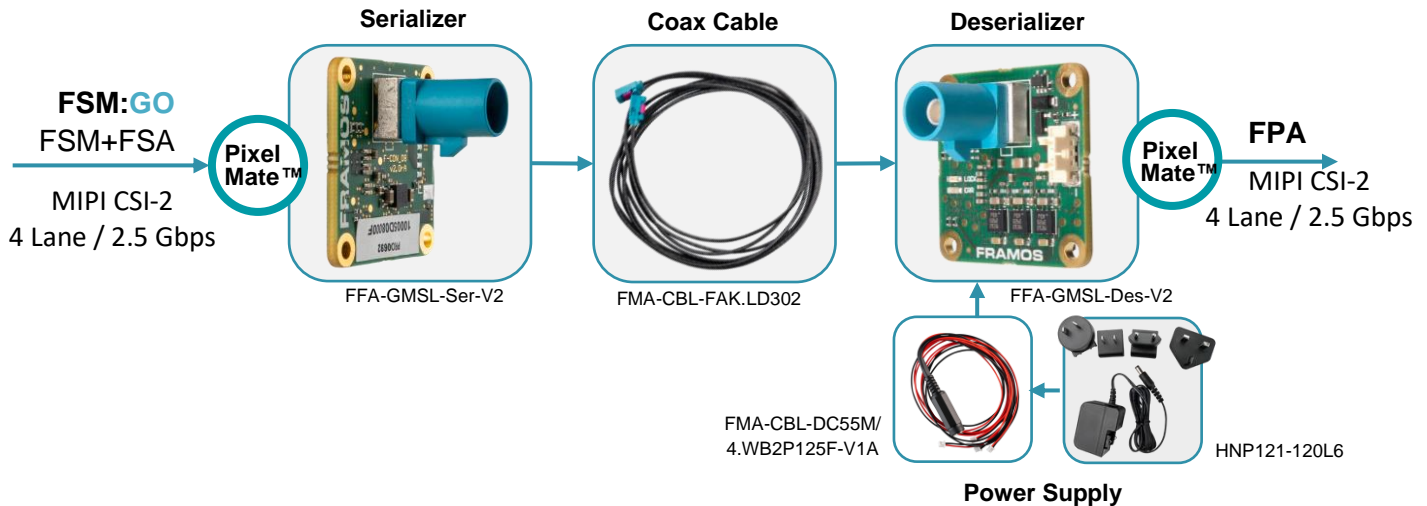
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1 PRODUCT DESCRIPTION

The FFA-GMSL3-Kit includes all components required to integrate GMSL3 into an existing FRAMOS Sensor Module setup. Both connectors comply with the FRAMOS PixelMate™ standard, ensuring compatibility with all supported components.



2 Drivers & Software

We provide customers with reference implementations for the MIPI CSI-2 (D-PHY) driver and GMSL Serializer/Deserializer configuration. These implementations leverage platform-specific data interfaces to establish communication and initialize the image sensor, offering seamless access to its features. Our software package empowers embedded software engineers to easily access the streaming system while providing all necessary tools to customize it for specific application requirements.

Documentation of the supported image sensors, platforms and features can be found in the Wiki of the respective software releases on GitHub: www.github.com/framesimaging.

3 ORDERING INFORMATION

Part Number(s): FFA-GMSL3-Kit-XX

Options: XX: Cable Length

Content of Kit:

FFA-GMSL-Ser-V2	GMSL3 Serializer Board, 26.5 mm, PixelMate™ MIPI CSI-2 to FAKRA GMSL3 (male)
FFA-GMSL-Des-V2	GMSL3 Deserializer Board, 26.5 mm, FAKRA GMSL3 (male) to PixelMate™ MIPI CSI-2
FMA-CBL-FAK.LD302-XX	Fakra / Coax Cable 5m or 10m for GMSL3 SerDes; Connectors: female/female, housed; Cable: Leoni Dacar 302 , Ø3.2mm
FMA-CBL-DC55M/4.WB2P125F	Power Adapter Cable ; DC 5.5/2 mm (PR-002A, male) to 4x HSG 2POS 1.25MM (female)
HNP121-120L6	Wall Mount Power Supply ; 12V/1A with DC 5.5/2 mm connector

All components are also available separately. Detailed documentation for each component, along with Quick Start Guides, can be found in our user documentation: www.frames.com/FSM-Startup.

Note: FSM:GO, FSM+FSA and/or FPAs are not included in this kit and must be purchased separately.

FSM:GO



Contact Information

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Technical Support:

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Website:

<https://www.framos.com>

Mouser Electronics

Authorized Distributor

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