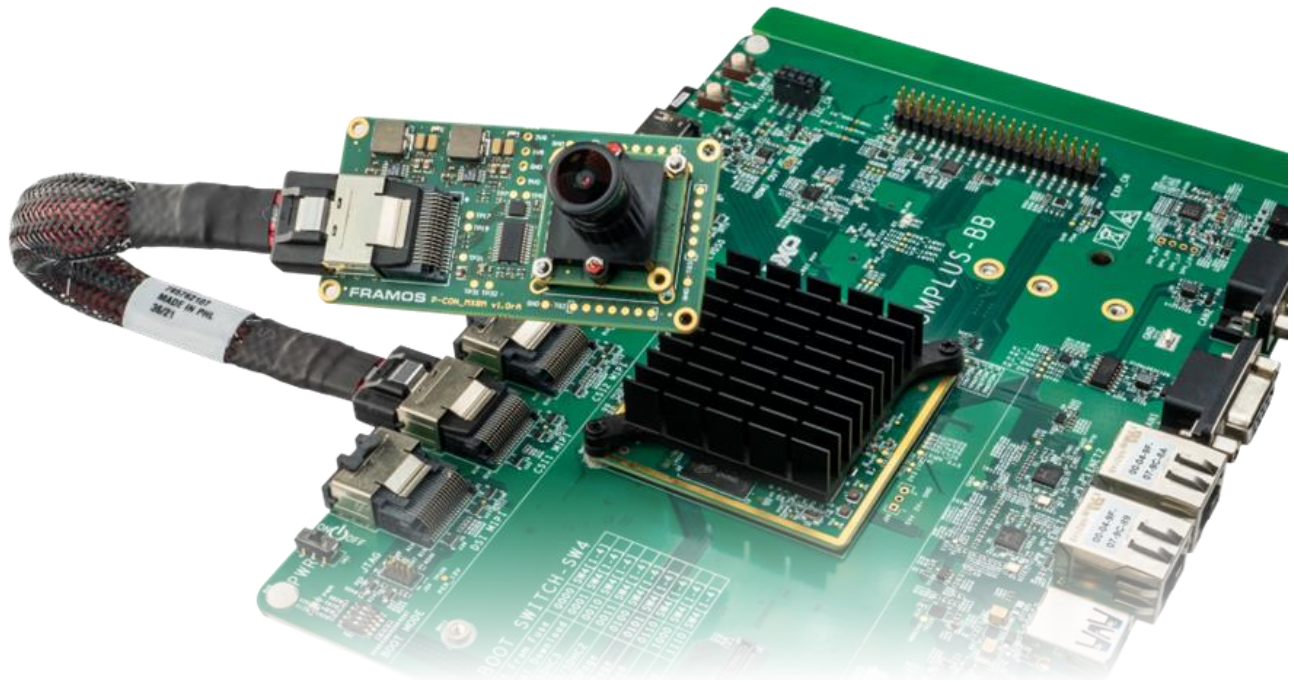


Product Datasheet

FPA-A/NDK-Kit



Processor Adapter Kit to NXP Developer Kits

Connect **FSM:GO** and the **FSM Ecosystem** to the NXP i.MX8M Plus Developer Kit

What's in the kit?

- All you need to connect one **FSM:GO** or **FSM+FSA** to the official NXP Developer Kits.
- Includes adapter, cabling and mounting material to connect one Sensor Module.
- Supports 4-Lanes of MIPI CSI-2.
- External access to synchronization, timing and other sensor signals via Test Points.

Documentation
docs.framos.com

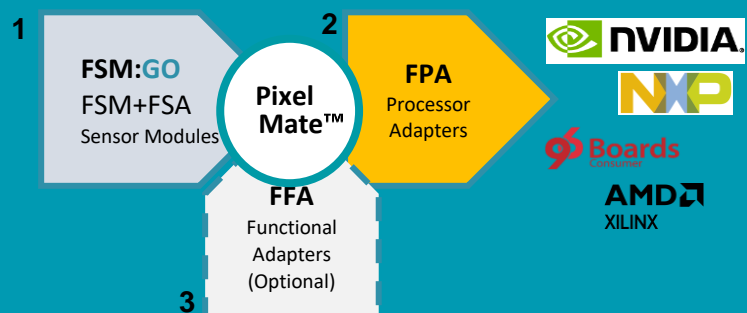
Software
www.github.com/framosimaging

Technical Support:
support@framos.com

Did you know?

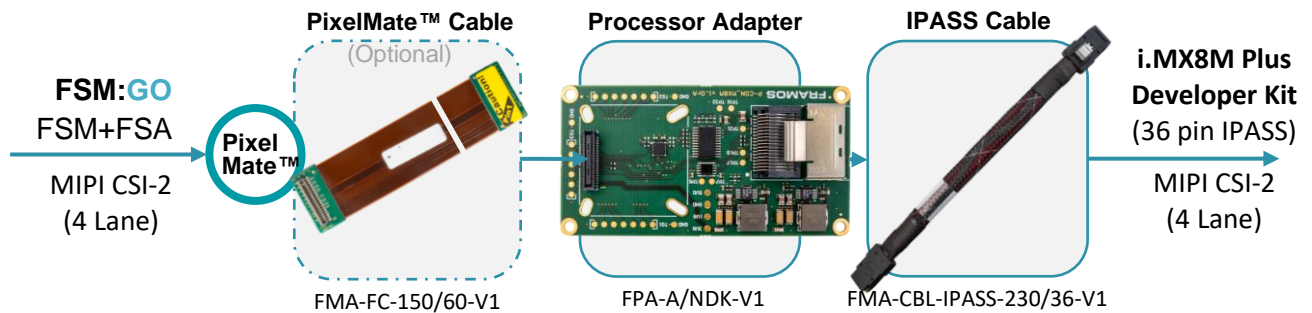
- **FPA Kits (2)** ensure the optimal kick-start with the **FSM:GO** and the **FSM Ecosystem**.
- They connect any PixelMate™ component directly to your processor board, whether it's the **FSM (1)** directly or with an optional **FFA (3)** chain in between—flawlessly and out of the box!

FSM Ecosystem:



1 PRODUCT DESCRIPTION

The FPA-A/NDK-Kit includes all components required to connect a FRAMOS Sensor Module (**FSM:GO**, FSM:FSA) either directly or via an FFA Kit. It is compatible with the i.MX8M Plus Developer Kit and various other NXP platforms that utilize the 36-pin IPASS cabling.



2 Drivers & Software

We provide full support for all **FSM:GO** Sensor Modules on the NXP i.MX8M Plus Developer Board, offering reference implementations of MIPI CSI-2 (D-PHY) drivers and example ISP configurations. The software package enables embedded software engineers to access the communication and streaming systems, ensuring optimal image capture in memory.

All sensor drivers and device tree overlays are open source, allowing customization and extension to meet the specific requirements of any application.

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): FPA-A/NDK-Kit

Content of Kit:

FPA-A/NDK-V1	FPA for Single Sensor the official NXP i.MX8M Plus Developer Kit.
FMA-CBL-IPASS-230/36-V1	IPASS cable (36 pin) to connect FPA-A/NDK-V1 to NXP Developer Kits, 230 mm.
FMA-FC-150/60-V1	Flex Cable 150mm for PixelMate™ MIPI CSI-2; optional use.
FMA-SCW/01-KIT	Screws / Spacers for direct stacking 2x FSM/FFA (4 Mounting Holes).

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 or the NXP Developer Kit **are not included** in this kit and must be purchased separately.

FSM:GO



Contact Information

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Website:

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