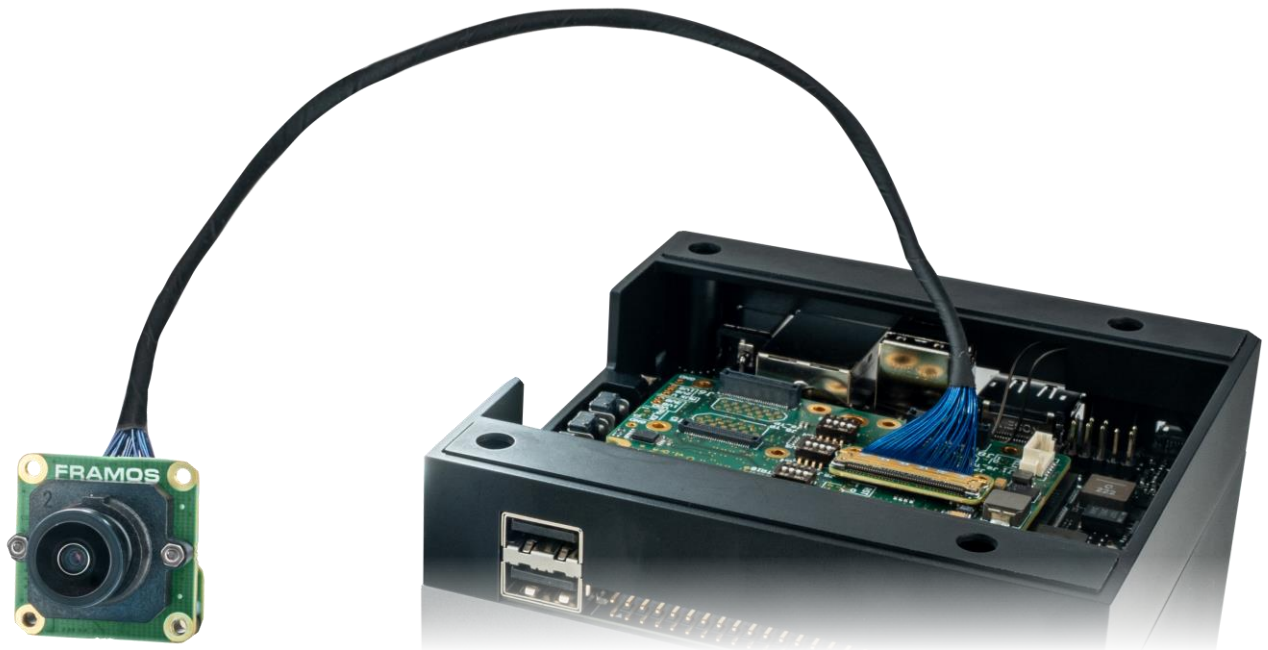# Micro-Coax Cable Kit

Gain maximum flexibility in embedded cabling with **Micro-Coax** for **FSM:GO** and the **FSM Ecosystem**.

What's in the kit?

- All you need to upgrade **FSM:GO** or **FSM+FSA** to leverage the advantages of **Micro-Coax** cabling.

- Excellent bending and twisting characteristics.

- Flexible routing in tight embedded devices.

- Seamless adaption from PixelMate™.

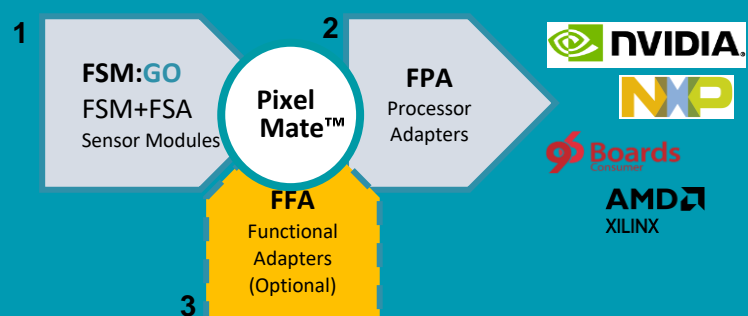- High signal integrity, full sensor signal access.

Documentation
docs.framos.com

Software
www.github.com/framosimaging

Technical Support:
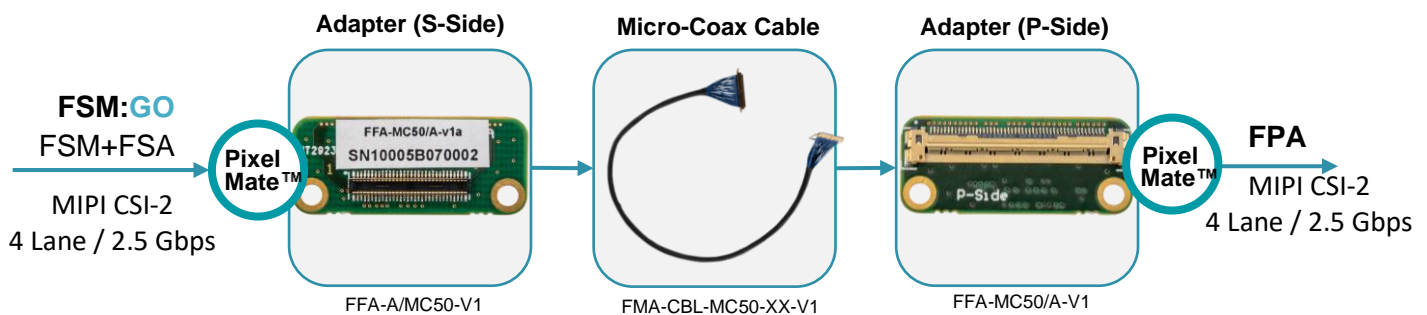support@framos.com

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:

1 **FSM:GO** FSM+FSA Sensor Modules

Pixel Mate™

2 **FPA** Processor Adapters

FFA Functional Adapters (Optional) **3**

NVIDIA
NXP
96Boards
AMD
XILINX

Product Datasheet
FFA-MC50-Kit

1   PRODUCT DESCRIPTION

The FFA-MC50-Kit includes all components required to upgrade an existing FRAMOS Sensor Module setup with Micro-Coax cabling. Both connectors comply with the FRAMOS PixelMate™ standard, ensuring compatibility with all supported components.

The components in this kit are passive and do not affect functional or software operations.

2   Drivers & Software

We provide customers with reference implementations of MIPI CSI-2 (D-PHY) drivers that 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/framosimaging.

3   ORDERING INFORMATION

Part Number(s): FFA-MC50-Kit-**XX**

Options: **XX**: Cable Length in Meter

Content of Kit:

FFA-A/MC50-V1	PixelMate™ to Micro-Coax (50pin) adapter (passive), for FSM side, 4-Lane MIPI CSI-2
FFA-MC50/A-V1	Micro-Coax (50-pin) to PixelMate™ adapter (passive) for FPA/Processor side, 4-Lane MIPI CSI-2
FMA-CBL-MC50-**XX**-V1	Micro-Coax Cable 50 pin, shielded IPEX CABLINE CA, 0.4 pitch, AWG40 / UL1354

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

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

FSM:GO | **FRAMOS**