FLIR MIX STARTER KIT FOR A-SERIES

Visible and Infrared Starter Kit for University and Commercial R&D

www.flir.com/MIX

Key Features

- Mix live or recorded infrared and visible video for a comprehensive, easy-to-interpret view of your data
- Capture temporally synchronized infrared and visible imagery to ensure real-time alignment of heat patterns and visual details
- Achieve precise spatial alignment with radiometric data for every pixel, providing detailed temperature insights
- Simplify workflows with a single system for control, streaming, recording, and analysis with FLIR Research Studio
- Easily identify board components and correlate to temperaure data

Main Applications

- Materials research and testing
- Electronics design and testing
- Renewable energy testing and research
- Battery or engine/brake development
- Animal studies

SPECIFICATIONS

Detector	Visible Camera
Resolution	2448 × 2048
Frame rate [full window]	122 Hz
Detector type	Area CMOS
Pixel pitch	2.74 µm
Bit depth	8-bit monochrome
Shutter	Global shutter
Electronics	
Digital data streaming	Gigabit Ethernet 5 Gbps / 2.5 Gbps / 1 Gbps (GigE Vision 2.0)
Subwindow modes	Pixel binning, decimation, ROI
Integration time	5 µs to 30 seconds
Trigger modes	Software trigger, hardware trigger, action command, PTP
Connection interface (To camera)	10 G Switch (connects infrared + visible cameras and computer)
Computer interface	Ethernet (Computer not included)
Optics	
Lens interface	C-Mount
Included lens	Tamron 25 mm 1/1.8" C-mount lens
General	**Visible Camera**
Dimensions (W × H × D)	29 mm × 44 mm × 74 mm
Weight	132 g
Operating temperature	0°C to 65°C (housing; measured at the front face of the camera)
Humidity	20% to 80% (non-condensing)
Power supply	12 V nominal (9.5 V to 24 V) via GPIO
Power consumption	7.3 W

Software & Accessories	
Software	Research Studio Professional Edition 2025 (or later) with MIX Toolkit
Included	Visible Camera, 10 G Switch, Cat 6 Ethernet Cables, A-Camera Visible Camera Mount, Research Studio Pro 1-Year License Card, Research Studio MIX Toolkit (perpetual lic.), Tamron 25 mm 1/1.8" C-mount Lens, Power/Sync Cable, Hard Case

Specifications subject to change. For the most up-to-date specifications, please visit flir.com.

For more information about FLIR MIX A-Series Starter Kit, please scan or visit:

For technical or sales support, please visit:
www.flir.com/about/general-inquiries