FLIR MIX Starter Kit for X-Series

Visible and Infrared Starter Kit for High Speed Scientific Research

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
- Combine infrared data with static visible images to create accurate and shareable visuals for reports or collaboration

Main Applications

- Advanced thermal and visual analysis for research and testing
- Airbag testing, materials testing, and high speed visual and infrared lab research
- Weapons mechanics, ballistics, and explosives testing

SPECIFICATIONS

Detector	Visible Camera
Resolution	1920 × 1080
Frame rate [full window]	1120 Hz
Detector type	Area CMOS
Pixel pitch	10 µm
Bit depth	8-bit monochrome
Shutter	Global shutter
Electronics	
Digital data streaming	CXP-12 over 2 links
Subwindow modes	Flexible down to 1920 × 8 at 86,230 Hz
Integration time	2 µs to 1 second
Trigger modes	Button, external TTL signal, CXP-trigger
Frame grabber interface	Up to 4 CXP 2.1, 12 Gbps links – supports 1 or 2 links to the infrared camera and 2 links to the included visible camera
Computer interface	Thunderbolt 3 (Computer not included)
Optics	
Lens interface	C-Mount
Included lens	Kowa XC-Series 35 mm 4/3" C-mount lens
General	Visible Camera
Dimensions (W × H × D)	80 mm × 80 mm × 54.3 mm
Weight	500 g
Operating temperature	5°C to 50°C (housing)
Humidity	10% to 90% (non-condensing)
Power supply	12 V to 24 V (DC)
Power consumption	11 W

Software and Accessories	
Software	Research Studio Professional Edition 2025 (or later) with MIX Toolkit
Included	High Speed Visible Camera, CXP-12 Quadlink Framegrabber to Thunderbolt System, BNC to HD-BNC Cables, X-Camera Side Mount, Research Studio Pro 1-Year License Card, Research Studio MIX Toolkit (perpetual lic.), Kowa XC-Series 35 mm 4/3" C-mount lens, Power/Sync Cable, HD-BNC Install/Removal Tool, Hard Case

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

emitec industrial

Emitec Messtechnik AG
Birkenstrasse 47
6343 Rotkreuz

+41 41 748 60 10
info@emitec.ch
www.emitec-industrial.ch

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#1 in Test & Measurement, worldwide.

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

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

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Revised 02/03/25
FLIR_MIX-X-Series_Datasheet_en-US-LTR RH24-0810-INS