FLIR Science Camera SDK

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Website

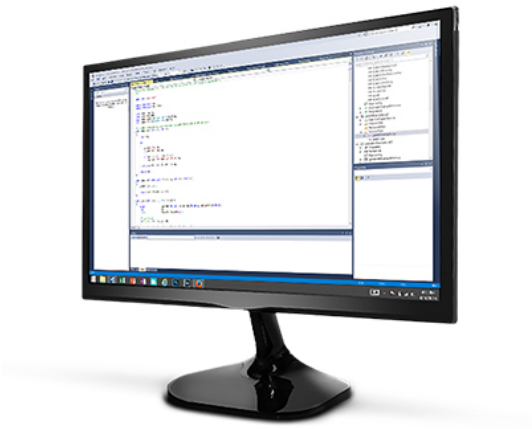
http://www.flir.com

Customer support

http://support.flir.com

Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.



General description
The FLIR Science Camera SDK allows users to easily integrate FLIR science cameras into their own applications. The FLIR Science Camera SDK is available to purchase via the FLIR Website where the customer will receive an email with download instructions. The customer can also purchase with a camera and receive a card with download instructions in the package.

Connections and Communications	
Output	• GigE • CoaXPress • Camera Link

Imaging and Optical	
Camera Control	• GigE • GenICam through GigE • Camera Link • RS232 • GenICam through CoaXPress

Measurement and Analysis	
Calibration	Enumerate, load, and apply
Measurement Options	Counts, radiance, temperature (°C, °F, K)

Recommended System Configuration	
Operating System	• Windows 7 (64-bit) or later • Linux Ubuntu 16.04 or later • RHEL/CentOS 7 or later • Mint 19.3 or later • macOS High Sierra or later
Supported Development Environments	C/C++, C#/.NET, Python, and MATLAB (file reading only)

Technology	
Corrections	Non-uniformity correction process available; factory correction includes enumerate, load, and apply
Export Classification	EAR99

Compatible with the following products:

- 29437-261; FLIR A6261 (InGaAs, 180Hz)

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- 29440-200; FLIR A6700 (f/2.5, 1-5µm, 60Hz)
- 29440-201; FLIR A6701 (f/2.5, 3-5µm, 60Hz)
- 29440-202; FLIR A6702 (f/4.0, 1-5µm, 60Hz)
- 29440-203; FLIR A6703 (f/4.0, 3-5µm, 60Hz)
- 29440-205; FLIR A6705 (Automation rear panel, 60Hz)
- 29440-250; FLIR A6750 (f/2.5, 1-5µm, 125Hz)
- 29440-251; FLIR A6751 (f/2.5, 3-5µm, 125Hz)
- 29439-251; FLIR A6751 SLS (f/2.5, 7.5-10.5µm, 125Hz)
- 29440-252; FLIR A6752 (f/4.0, 1-5µm, 125Hz)
- 29440-253; FLIR A6753 (f/4.0, 3-5µm, 125Hz)
- 29439-253; FLIR A6753 SLS (f/4.0, 7.5-10.5µm, 125Hz)
- 29443-200; FLIR A8580 (f/2.5, 1.5-5.0 µm)
- 29443-201; FLIR A8581 (f/2.5, 3.0-5.0 µm)
- 29443-202; FLIR A8582 (f/4.0, 1.5-5.0 µm)
- 29443-203; FLIR A8583 (f/4.0, 3.0-5.0 µm)
- 29444-201; FLIR A8581 SLS (f/2.5, 7.5-12.5 µm)
- 29420-200; FLIR X6800sc
- 29420-201; FLIR X6801sc
- 29420-202; FLIR X6802sc
- 29420-203; FLIR X6803sc
- 29267-200; FLIR X6900sc
- 29267-201; FLIR X6901sc
- 29421-201; FLIR X6901sc SLS
- 29267-202; FLIR X6902sc
- 29267-203; FLIR X6903sc
- 29421-203; FLIR X6903sc SLS
- 29422-200; FLIR X8500sc
- 29422-201; FLIR X8501sc
- 29428-201; FLIR X8501sc SLS
- 29422-202; FLIR X8502sc
- 29428-203; FLIR X8503sc SLS
- 29422-203; FLIR X8503sc
- 26052-210; FLIR RS6700
- 26052-211; FLIR RS6701
- 26052-212; FLIR RS6702
- 29442-203; FLIR RS8503 - Open Frame Version w/ GigE, CXP, CL
- 29442-213; FLIR RS8513 - Fully Enclosed Version w/ GigE, CXP
- 29442-223; FLIR RS8523 - Fully Enclosed Version w/ GigE, CXP, CL Full Fiber
- 29229-201; FLIR SC6201 InGaAs, 0.9 - 1.7µm, 640x512, no lens, w/ResearchIR Max
- 29229-202; FLIR SC6202 VisGaAs, 0.4 - 1.7µm, 640x512, no lens, w/ResearchIR Max
- 24048-223; FLIR SC6700e InSb, 3.0 - 5.0µm, 640x512, f/4, w/ResearchIR Max
- 29375-200; FLIR SC6700 SLS (No Filter), 640x512, f/2.5, GigE, 125Hz,w/ ResearchIR Max
- 29375-201; FLIR SC6701 SLS (7.5 - 9.5µm), 640x512, f/2.5, GigE, 125Hz, w/ ResearchIR Max
- 29375-202; FLIR SC6702 SLS (No Filter), 640x512, f/4.0, GigE, 125Hz, w/ ResearchIR Max
- 29375-203; FLIR SC6703 SLS (7.5 - 9.5µm), 640x512, f/4.0, GigE, 125Hz, w/ ResearchIR Max