Cameras supported by the Atlas SDK

Which FLIR cameras are supported by the Atlas SDK?

> **Note:** Note that all GigE Vision cameras are GenICam compatible and may be used with third-party software. See this link for more details: **Which SDK should I use?**.

Automation cameras

	Video Streaming	Interface
Ax5 Series	Radiometric	GigE Vision
A50 Series	Radiometric	GigE Vision / RTSP over Ethernet or WiFi (model dependent)
A70 Series	Radiometric	GigE Vision / RTSP over Ethernet or WiFi (model dependent)
A300 Series	Radiometric	GigE Vision / RTSP (model dependent)
A400 Series	Radiometric	GigE Vision / RTSP over Ethernet or WiFi (model dependent)
A500 Series	Radiometric	GigE Vision / RTSP over Ethernet or WiFi (model dependent)
A600 Series	Radiometric	GigE Vision / USB
A700 Series	Radiometric	GigE Vision / RTSP over Ethernet or WiFi (model dependent)
AX8	Non-radiometric only	RTSP
ETS320	Radiometric	USB

Which *SDK* should I use?

If one wants to write code to control the FLIR camera and analyze the data, what would the best option?

There are several ways to connect to any FLIR camera and analyze the data stream. Below you will find a brief description of each for easy comparison.

There may be other options available for you depending on the camera model. Please contact tech support if you need help with your decision:

https://flir.custhelp.com/app/answers/detail/a_id/2955

		Science File *SDK*	Spinnaker *SDK*	Atlas *SDK*	Science Camera *SDK*	Mobile *SDK*	Third-party GenICam
Thermal analysis		✓	✗	✓	✓	✓	✗
Post process analysis		✓	✗	✓	✓	✗	✗
Camera control	**Handheld IR**	✗	✗	✓	✗	✗	✗
	Smart Sensor automation IR	✗	✗	✓	✗	✗	✗
	Image Streaming automation IR	✗	✓	✓	✗	✗	✓
	Science IR	✗	✓	✗	✓	✗	✓
	FLIR One	✗	✗	✗	✗	✓	✗
	Machine Vision	✗	✓	✗	✗	✗	✓
Language support	**.NET (C# or Visual Basic)**	✓	✓	✓	✓	✗	✓
	Python	✓	✓	✗	✓	✗	✓
	C++	✓	✓	✗	✓	✗	✓

	Science File *SDK*	Spinnaker *SDK*	Atlas *SDK*	Science Camera *SDK*	Mobile *SDK*	Third-party GenICam
MatLab	✓	✕	✕	✕	✕	✓
LabVIEW	✕	✕	✕	✕	✕	✓