

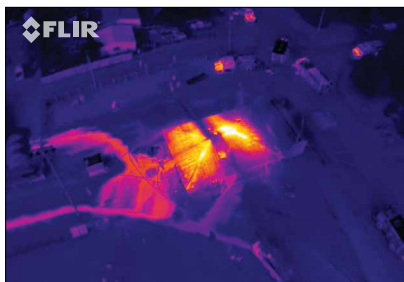


FLIR *Aerial First Responder Kits*

Unmanned Aerial System (UAS) equipped with a thermal imaging camera for First Responders



Find lost hikers or accident victims night and day.



See through smoke and guide water application for efficient attacks.



Assist mop-up crews by finding underground hot spots that could flare up.

With FLIR's new Aerial First Responder Kits, drone-based thermal imaging is easier to access than ever before.

By combining the flight stability, gimbal technology, mobile app integration, and image transmission of the popular and proven DJI Inspire 1 with the industry-leading thermal imaging technology of FLIR, these packages are the ultimate solutions for reliable, rapid-deployable aerial thermal imaging.

They're particularly suitable for firefighting support because they give Incident Commanders the ability to see through smoke and keep track of their personnel in large fire scenes. They're also a must-have piece of kit for rapidly deployed SAR missions regardless of the time of day.

With FLIR's Aerial First Responder Kits you'll have:

- Airborne thermal imaging support at your fingertips for every call
- The power to see through smoke and keep an eye on your personnel in complex fire scenes
- Expanded SAR operations day and night
- Monitor roof conditions to reduce risk to fire fighters
- A highly-integrated, easy-to-fly aircraft and the world's most popular drone app for live video, camera control, and digital recording
- A complete package that includes everything you need to get flying in minutes

Two kits are available so you'll be sure you to have the capability you need, when you need it.



The World's **Sixth Sense**®



	FLIR Aerial First Responder Basic Kit	FLIR Aerial First Responder Advanced Kit
Thermal Camera	DJI Zenmuse XT Thermal Camera & Stabilized Gimbal	DJI Zenmuse XT Thermal Camera & Stabilized Gimbal
Thermal Camera Configuration	6.8 mm lens (45° x 35°)	13 mm lens (45° x 37°)
	336 x 256 resolution	640 x 512 resolution
Aircraft Type	DJI Inspire 1 (V 2.0)	DJI Inspire 1 (V 2.0)
Controller(s)	One	Two
Batteries Included	Three	Three
Color Video Camera	DJI Zenmuse X3 4k Video Camera & Stabilized Gimbal	DJI Zenmuse X3 4k Video Camera & Stabilized Gimbal
Auxiliary Equipment		
FLIR Tools+ Image Analysis Software	Yes	Yes
Apple iPad Mini 4 (64GB, WiFi)	One	Two
Monitor Hood(s)	One	Two
Rugged Carrying Case	Yes	Yes
FLIR Landing Pad	Yes	Yes



U.S. MARKETS

Please note operation of the Small Unmanned Aerial Systems sold by FLIR Systems into U.S. markets in most all cases constitutes commercial use and requires the appropriate FAA registrations which may include a pilot's license requirement. Registrations or certifications are not conveyed with a camera purchase and must be obtained by the buyer. Operator training is strongly recommended.

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2016 FLIR Systems, Inc. All rights reserved..



The World's **Sixth Sense**®

Specifications

General		
Name	Zenmuse XT	
Dimensions	103 mm x 74 mm x 102 mm	
Weight	270 g	
Gimbal		
Angular Vibration Range	±0.03°	
Mount	Detachable	
Controllable Range	Tilt: +30° to -90°; Pan: ±320°; Roll: ±15°	
Mechanical Range	Tilt: +45° to -135°; Pan: ±320°; Roll: ±45°	
Max Controllable Speed	120°/s	
Camera		
Thermal Imager	Uncooled VOx Microbolometer	
FPA/Digital Video Display Formats	640 x 512	336 x 256
Analog Video Display Formats	720 x 480 (NTSC); 720 x 576 (PAL)	
Pixel Pitch	17 µm	
Spectral Band	7.5-13.5 µm	
Full Frame Rates	30 Hz (NTSC); 25 Hz (PAL)	
Exportable Frame Rates	7.5 Hz (NTSC); 8.3 Hz (PAL)	
Sensitivity (NEdT)	<50 mK at f/1.0	
Scene Range (High Gain)	-13° to 275° F (-25° to 135° C)	-13° to 212° F (-25° to 100° C)
Scene Range (Low Gain)	-40° to 1022° F (-40° to 550° C)	
Spot Meter	Temperatures measured in central 4x4	
File Storage	Micro SD Card	
Photo Format	JPEG, TIFF	
Video Format	MP4	
Video Recording Bitrate	2 Mbps	
Support SD Cards	Micro SD; Max capacity: 32 GB	
Image Processing & Display Controls		
NTSC/PAL (Field Switchable)	Yes	
Image Optimization	Yes	
Digital Detail Enhancement	Yes	
Polarity Control (Black Hot/White Hot)	Yes	
Color & Monochrome Palettes (LUTs)	Yes	
Digital Zoom	2x, 4x, 8x	2x, 4x



The World's **Sixth Sense**®

Lens Models		6.8 mm	7.5 mm	9 mm	13 mm	19 mm
17 μ 640x512	FoV iFoV	/	f/1.4 90° x 69° 2.267 mr	f/1.4 69° x 56° 1.889 mr	f/1.25 45° x 37° 1.308 mr	f/1.25 32° x 26° 0.895 mr
17 μ 336x256	FoV iFoV	f/1.4 49.1° x 37.4° 2.519 mr	/	f/1.25 35° x 27° 1.889 mr	f/1.25 25° x 19° 1.308 mr	f/1.25 17° x 13° 0.895 mr
Min Focus Distance		2.3 cm	2.5 cm	3.2 cm	7.6 cm	15.3 cm
Hyperfocal Distance		1.2 m	1.2 m	2.1 m	4.4 m	9.5 m
Hyperfocal Depth of Field		0.6 m	0.6 m	1.1 m	2.2 m	4.8 m
Environmental						
Operating Temperature		14° to 104° F (-10° to 40° C)				
Non-Operating Temperature		-22° to 158° F (-30° to 70° C)				
Temperature Shock		5° C/min				
Humidity		5% to 95%				