

P/N: 75503-0300

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Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

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Gimbal (Zenmuse XT)	
Name	Zenmuse XT
Dimensions	103 mm × 74 mm × 102 mm (4.1 in. × 2.9 in. × 4.0 in.)
Weight	270 g (0.60 lb.)
Angular vibration range	±0.03°
Mount	Detachable
Controllable range	- Tilt: +35° to -90° - Pan: ±320° - Roll: ±15°
Mechanical range	- Tilt: +45° to -135° - Pan: ±320° - Roll: ±45°
Maximum controllable speed	120°/s
Camera (Zenmuse XT)	
Thermal imager	Uncooled VOx microbolometer
FPA/digital video display formats	336 × 256 pixels
Analog video display formats	720 × 480 pixels (NTSC) 720 × 576 pixels (PAL)
Pixel pitch	17 µm
Spectral band	7.5–13.5 µm
Frame rates	30/60 Hz (NTSC) 25/50 Hz (PAL)
Sensitivity (NEΔT)	<50 mK at f/1.0
Accuracy	±20°C (±36°F)



FLIR Aerial IR Gimbal Zenmuse XT 6.8 mm (30 Hz)

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Camera (Zenmuse XT)	
Scene range (high gain)	–25 to +100°C (–13 to +212°F)
Scene range (low gain)	–40 to +550°C (–40 to +1022°F)
Spot meter	Temperatures measured in central 4 × 4 pixels
File storage	Micro SD card. 16 GB Class 10 included, up to 32 GB supported.
Data logging	• 8-bit AGC + LUT video at camera frame rate packaged in either .MOV or .MP4 wrappers. • 8-bit AGC + LUT still images in .JPG. • 14-bit TIFF raw still images with FLIR-specified metadata.
Image processing and display controls	
NTSC/PAL (field switchable)	Yes
Image optimization	Yes
Digital detail	Yes
Enhancement	
Polarity control (black hot/white hot)	Yes
Color and monochrome palettes (LUTs)	Yes
Digital zoom	2×, 4×, 8×
Lens model	
Focal length	6.8 mm
f number	f/1.4
FoV	49.1° × 37.4°
iFoV	2.519 mrad
Minimum focus distance	2.3 cm (0.9 in.)
Hyperfocal distance	1.2 m (3.9 ft.)
Hyperfocal depth of field	0.6 m (2.0 ft.)
Environmental	
Operating temperature range	–10 to +40°C (+14 to +104°F)
Non-operating temperature range	–30 to +70°C (–22 to +158°F)
Temperature shock	5°C/min (41°F/min)
Humidity	5–95%
Certifications	
Compliance	http://www.dji.com/euro-compliance



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DJI GO app	
Mobile device system requirements	• iOS version 7.1 or later • Android version 4.1.2 or later
Supported mobile devices	• iPhone 6 Plus • iPhone 6 • iPhone 5S • iPad Air 2 • iPad Mini 3 • iPad Air • iPad Mini 2 • iPad 4 • Samsung Note 3 • Samsung S5 • Sony Z3 EXPERIA  NOTE It is recommended that you use a tablet for the best experience
Documentation and firmware	
Download link	http://tinyurl.com/z8esgtc
Warranty	
Warranty	http://www.dji.com/service#warranty_period
Global trade data	
HS Code	9032896085 (Zenmuse XT)
ECCN code	6A003.b.4.b. (Zenmuse XT)
Shipping information	
Packaging type	Cardboard box
List of contents	• Zenmuse XT thermal camera with stabilized gimbal • FLIR Tools+

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