

Zenmuse XT2 Product Specs

General	
Name	Zenmuse XT 2
Dimensions	With 25 mm lens: 123.7×112.6×127.1 mm With other lens: 118.02×111.6×125.5 mm
Weight	25 mm lens: 629 g Other lens versions: 588 g
Gimbal	
Angular Vibration Range	±0.01°
Mount	Detachable
Controllable Range	Tilt: +30° to -90°, Pan: ±320°
Mechanical Range	Tilt: +45° to -130°, Pan: ±330°, Roll: -90° to +60°
Max Controllable Speed	Tilt: 90°/s, Pan: 90°/s
Thermal Camera	
Thermal Imager	Uncooled VOx Microbolometer
FPA/Digital Video Display Formats	640×512; 336×256
Digital Zoom	640×512: 1x, 2x, 4x, 8x 336×256: 1x, 2x, 4x
Pixel Pitch	17 μm
Spectral Band	7.5-13.5 μm
Full Frame Rates	30 Hz
Exportable Frame Rates	<9 Hz
Sensitivity (NEΔT)	<50 mk @ f/1.0
Scene range (High Gain)	640×512: -25° to 135°C 336×256: -25° to 100°C
Scene range (Low Gain)	-40° to 550°C
File Storage	microSD card*
Photo Format	JPEG, TIFF, R-JPEG
Video Format	8 bit: MOV, MP4 14 bit: TIFF Sequence, SEQ**
Visual Camera	
CMOS	CMOS, 1/1.7", Resolution: 12 M
Lens	Prime lens, Focus at 5 mm, FOV 90°× 65° Focus at 8 mm, FOV 57.12°× 42.44°
Digital Zoom	1x, 2x, 4x, 8x
Photo Formats	JPEG
Video Formats	MOV, MP4
Video Resolutions	4K Ultra HD: 3840×2160 29.97p FHD: 1920×1080 29.97p
Working Modes	Capture, Record, Playback
Still Photography Modes	Single Shot Burst Shooting (3/5 frames) Interval (2/3/4/7/10/15/20/30 sec)
Video Subtitle	Support
Anti-flicker	Auto, 50 Hz, 60 Hz
Storage	microSD card. Max capacity: 128 GB. UHS-3 required. Recommended model: Sandisk Extreme 16/32 GB UHS-3 microSDHC Sandisk Extreme 64/128 GB UHS-3 microSDXC
Supported File System	FAT 32 (≤32GB), exFAT (>32GB)
Image Processing & Display Control	
Image Optimization	Yes
Digital Detail Enhancement	Yes
Polarity Control (Black Hot/White Hot)	Yes
Color & Monochrome Palettes (LUT)	Yes

Models – Lens and Resolution options				
Thermal Lens Models	9 mm	13 mm	19 mm	25 mm
640x512 FoV, iFoV	N / A	f/1.25 45°x37° 1.30 mr	f/1.25 32°x26° 0.895 mr	f/1.1 25°x20° 0.680 mr
336x256 FoV iFoV	f/1.25 35°x27° 1.88 mr	f/1.25 25°x19° 1.30 mr	f/1.25 17°x13° 0.895 mr	N / A
Min Focus Distance	3.2 cm	7.6 cm	15.3 cm	30 cm
Hyperfocal Distance	2.1 cm	4.4 cm	9.5 cm	N / A
Hyperfocal Depth of Field	1.1 cm	2.2 cm	4.8 cm	N / A
Notes				
The SD card, which is located near the lens, is used to store TIFF Sequence and SEQ infrared RAW video only. The other format footage will be stored in the other SD card.				
* It is recommended to use ImageJ to play the TIFF Sequence video and Flir Tools to play SEQ video				

Available April 2018 – Contact iRed on sales@ired.co.uk for pricing and additional information.