

Specs

General

Name	Zenmuse XT2
Dimensions	With 25 mm lens: 123.7×112.6×127.1 mm With other lens: 118.02×111.6×125.5 mm

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 (NETD)	<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

Sensor	1/1.7" CMOS Effective Pixels: 12 M
Lens	Prime lens Focus at 8 mm FOV 57.12°× 42.44°
Digital Zoom	1x, 2x, 4x, 8x (Live View Only)
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 (2/3/5/7/10/15/20/30 sec)
Video Caption	Supported
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

Models – Lens And Resolution Options

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Note

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

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