

DJI Zenmuse XT2 DualSpecs

Camera Module (Thermal)

Thermal Imager	Uncooled VOx Microbolometer
Resolution	640 x 512
Digital Zoom	1x, 2x, 4x, and 8x
Pixel Pitch	17 µm
Spectral Band	7.5-13.5 µm
Full Frame Rates	30 Hz
Exportable Frame Rates	<9 Hz
Thermal Sensitivity (NETD)	<50 mK at f/1.0
Scene Range	High Gain: -13 to 275°F / -25 to 135°C Low Gain: -40 to 1,022°F / -40 to 550°C
File Storage	microSD Card
Photo Format	JPEG, TIFF, and R-JPEG
Video Format	8 bit: MOV and MP4 14 bit: TIFF Sequence, SEQ

Gimbal

Angular Vibration Range	+/- 0.01 Degree
Mount	Detachable
Controllable Range	Tilt: +30 to -90 Degrees Pan: +/- 320 Degrees
Mechanical Range	Tilt: +45 to -130 Degrees Pan: +/- 330 Degrees Roll: -90 to +60 Degrees

Camera

Sensor	1/1.7" CMOS Effective Pixels: 12 MP
Lens	Prime Lens Focus at 8mm FOV 57.12 Degrees x 42.44 Degrees
Digital Zoom	1x, 2x, 4x, and 8x
Photo Formats	JPEG, TIFF, R-JEPG

Video Formats	8 bit: MOV, MP4 14 bit: TIFF sequence, SEQ**
Video Resolution	4K Ultra HD: 3840 x 2160 29.97 fps FHD: 1920 x 1080 29.97 fps
Modes	Capture, Record, and Playback
Photography Modes	Single Shot Burst Shooting (3/5 Frames) Interval (2/3/4/7/10/15/20/30 seconds)
Anti-Flicker	Auto, 50 Hz, and 60 Hz
Storage	MicroSD Card (up to 128 GB, UHS-3 Required)
Supported File Systems	FAT 32: (≤32 GB) exFAT: (>32 GB)

Lens

Field of view (FOV)	f/1.25 45x37 Degrees 1.308 mr f/1.25 32x26 Degrees 0.895 mr f/1.1 25x20 Degrees 0.680 mr
Focus Distance	Minimum Distance: 30 cm Hyperfocal Distance: 21 m Hyperfocal Depth of Field: 11 m

General

Dimensions	4.9 x 4.4 x 5.0" / 12.4 x 11.3 x 12.7 cm
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