

GENERAL

Product Name	Zenmuse X7
Dimensions	151 × 108 × 132 mm
Weight (Lens Excluded)	449 g

GIMBAL

Angular Vibration Range	±0.005°
Mount	Detachable
Controllable Range	Tilt: +40° to -125°; Pan: ±300°; Roll: ±20°
Mechanical Range	Tilt: +50° to -130°; Pan: ±330°; Roll: +90° to -50°
Max Controllable Speed	Tilt: 180°/s; Roll: 180°/s; Pan: 360°/s

CAMERA

Sensor	Sensor Size (Still): 23.5×15.7 mm Sensor Size (Max video recording area): 23.5×12.5 mm Effective Pixels: 24 MP
Supported Lenses	DJI DL-S 16mm F2.8 ND ASPH (with lens hood and balancing ring/filter) DJI DL 24mm F2.8 LS ASPH (with lens hood and balancing ring/filter) DJI DL 35mm F2.8 LS ASPH (with lens hood and balancing ring/filter) DJI DL 50mm F2.8 LS ASPH (with lens hood and balancing ring/filter)
Supported Micro SD/SSD Cards	MicroSD: Class 10 or UHS-1 rating with a writing speed of 15 MB/s required; Max capacity: 64 GB SSD: DJI CINESSD
Photo Sizes	3:2 (6016 × 4008) 16:9 (6016 × 3376) 4:3 (5216 × 3912)
Photo Formats	DJI CINESSD: DNG Micro SD: DNG, JPEG, DNG+JPEG
Operation Modes	Capture, Record, Playback
Still Photography Modes	Micro SD: Single Shot, Burst Shooting (3/5/7/10 shots), Auto Exposure Bracketing (3/5 bracketed shots at 0.7 EV bias), Interval SSD: RAW Burst (3/5/7/10/14/∞ frames), up to 20 fps when using RAW Burst (exact quantity is determined by storage card capacity and battery power level)
Shutter Speed	Electronic Shutter Speed: 1/8000 – 8s Mechanical Shutter Speed: 1/1000 – 8s (DJI DL-S 16mm F2.8 ND ASPH not supported)
ISO Range	Photo: 100 – 25600 Video: 100 – 1600 (EI mode on); 100 – 6400 (EI mode off)

CAMERA FEATURES

Exposure Mode	Auto, Manual, Shutter Priority, Aperture Priority
Exposure Compensation	±3.0 (3 stops of light)
Metering	Center-Weighted Metering, Spot Metering (12x8 area selection)
AE Lock	Supported
White Balance	Auto, Sunny, Cloudy, Incandescent, Neon (2000 K–10000 K)
Video Caption	Supported (AVC/HEVC)
PAL/NTSC	Supported
Ultrasonic Dust Removal	Supported

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Video Formats	CINESSD: CinemaDNG, ProRes Micro SD: MOV, MP4
Video Resolution	Aspect Ratio 17:9 CinemaDNG 6K: 6016×3200, 23.976/24/25/29.97/30p, 12-bit, full FOV 4K DCI: 4096×2160, 23.976/24/25/29.97/30p, 12-bit, full FOV 3.9K: 3944×2088, 47.95/50/59.94, 12-bit, narrow FOV ProRes 4K DCI: 4096×2160, 23.976/24/25/29.97/30p, 10-bit, HQ, full FOV 2K: 2048×1080, 47.95/50/59.94p, 10-bit, HQ/XQ, narrow FOV H.264 4K DCI: 4096×2160, 24/25/30/48/50/59.94p H.265 4K DCI: 4096×2160, 24/25/30p Aspect Ratio 16:9 CinemaDNG 6K: 5760×3240, 23.976/24/25/29.97/30p, 12-bit, full FOV 4K Ultra HD: 3840×2160, 23.976/24/25/29.97/30p, 12-bit, full FOV 3.7K: 3712×2088, 47.95/50/59.94, 12-bit, narrow FOV ProRes 4K Ultra HD: 3840×2160, 23.976/24/25/29.97p, 10-bit, HQ/XQ, full FOV 2.7K: 2704×1520, 47.95/50/59.94p, 10-bit, HQ, narrow FOV FHD: 1920×1080, 47.95/50/59.94p, 10-bit, HQ/XQ, narrow FOV H.264 4K Ultra HD: 3840×2160, 24/25/30/48/50/59.94p 2.7K: 2720×1530, 24/25/30/48/50/59.94p FHD: 1920×1080, 24/25/30/48/50/59.94p HD: 1280×720, 24/25/30/48/50/59.94p H.265 4K Ultra HD: 3840×2160, 24/25/30p 2.7K: 2720×1530, 24/25/30/48/50/59.94p FHD: 1920×1080, 24/25/30/48/50/59.94p HD: 1280×720, 24/25/30/48/50/59.94p Aspect Ratio 2.44:1 ProRes 5.2K: 5280×2160, 23.976/24/25/29.97/30p, 10-bit, HQ, full FOV H.264/H.265 4K Ultra HD: 3840×1572, 30p, full FOV

TEMPERATURE

Operating Temperature	-4 to 104° F (-20 to 40° C)
Storage Temperature Range	-4 to 140° F (-20 to 60° C)