

ZENMUSE X7

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

CAMERA

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

VIDEO

Video Formats

CINESSD: CinemaDNG, ProRes

Micro SD: MOV, MP4

Video Resolution

Aspect Ratio 17:9

CinemaDNG

6K: 6016×3200, 23.976p, 14-bit

6K: 6016×3200, 24/25/29.97/30p, 12-bit

5.4K: 5440×2880, 23.976/24p, 14-bit

4K DCI: 4096×2160, 23.976p, 14-bit

4K DCI: 4096×2160, 24/25/29.97/30/47.95/48p, 12-bit

3.9K: 3944×2088, 50/59.94p, 12-bit

ProRes RAW

6K: 6016×3200, 23.976p, 14-bit

6K: 6016×3200, 24/25/29.97/30p, 12-bit

5.4K: 5440×2880, 23.976/24p, 14-bit

4K DCI: 4096×2160, 47.95/48p, 12-bit

ProRes RAW HQ

6K: 6016×3200, 23.976p, 14-bit

ProRes

4K DCI: 4096×2160, 23.976/24/25/29.97/30p, 10-bit, HQ

2K: 2048×1080, 47.95/50/59.94p, 10-bit, HQ/XQ

H.264

4K DCI: 4096×2160, 24/25/30/48/50/59.94p

H.265

4K DCI: 4096×2160, 24/25/30p

HD: 1280×720, 24/25/30/48/50/59.94p

Aspect Ratio 16:9

CinemaDNG

6K: 5760×3240, 23.976p, 14-bit

6K: 5760×3240, 24/25/29.97/30p, 12-bit

5.1K: 5120×2880, 23.976/24p, 14-bit

4K Ultra HD: 3840×2160, 23.976p, 14-bit 4K Ultra HD:

3840×2160, 24/25/29.97/30/47.95/48p, 12-bit

3.7K: 3712×2088, 47.95/50/59.94, 12-bit

ProRes RAW

6K: 5760×3240, 23.976p, 14-bit

6K: 5760×3240, 24/25/29.97/30p, 12-bit

5.1K: 5120×2880, 23.976/24p, 14-bit

4K Ultra HD: 3840×2160, 47.95/48p, 12-bit

ProRes RAW HQ

6K: 5760×3240, 23.976p, 14-bit

ProRes

4K Ultra HD: 3840×2160, 23.976/24/25/29.97p, 10-bit, HQ/XQ

2.7K: 2704×1520, 47.95/50/59.94p, 10-bit, HQ

FHD: 1920×1080, 47.95/50/59.94p, 10-bit, HQ/XQ

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

Aspect Ratio 2.44:1

CinemaDNG

5.2K: 5280×2160, 23.976p, 14-bit

5.2K: 5280×2160, 24/25/29.97/30/47.95/48p, 12-bit

ProRes

5.2K: 5280×2160, 23.976/24/25/29.97/30p, 10-bit, HQ

H.264/H.265

4K Ultra HD: 3840×1572, 30p

(FOV will be narrower when shooting at a high frame rate. For more information, please refer to the Zenmuse X7 User Manual.)

CAMERA FEATURES

Exposure Mode	Auto, Manual, Shutter Priority, Aperture Priority
Exposure Compensation	±3.0 (3 stops of light)
Metering	Center-Weighted Metering, Spot Metering (12 × 8 area selection)
AE Lock	Supported
White Balance	Auto, Sunny, Cloudy, Incandescent, Neon, Custom (2000 K – 10000 K)
Video Caption	Supported (AVC/HEVC)
PAL/NTSC	Supported
Ultrasonic Dust Removal	Supported

TEMPERATURE

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