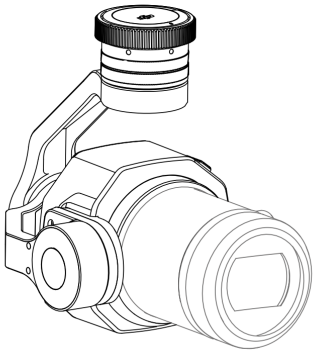
TOPSHOT
solutions beyond the eyes

ZENMUSE X7



Specifications

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): 23.5×15.7mm Sensor size (Max video recording area): 23.5×12.5mm Effective Pixels: 24MP
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 MicroSD/SSD cards	MicroSD: Class 10 or UHS-1 rating with a writing speed of 15MB/s required; Max capacity: 64 GB SSD: DJI CINESSD
Photo Size	3:2 4:3 16:9
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 20fps when using RAW burst, but the exact photo numbers is restricted 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 (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
Video	
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 5.4K: 5440×2880, 23.976/24p 4K DCI: 4096×2160, 23.976/24/25/29.97/30/47.95/48p 3.9K: 3944×2088, 50/59.94p ProRes: 4K DCI: 4096×2160, 23.976/24/25/29.97/30p, HQ 2K: 2048×1080, 47.95/48/50/59.94p, HQ/XQ 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 5K: 5120×2880, 23.976/24p 4K Ultra HD: 3840×2160, 23.976/24/25/29.97/30/47.95/48p 3.7K: 3712×2088, 50/59.94p ProRes: 4K Ultra HD: 3840×2160, 23.976/24/25/29.97/30p, HQ/XQ 2.7K: 2704×1520, 47.95/48/50/59.94p, HQ FHD: 1920×1080, 47.95/48/50/59.94p, 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 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, 23.976/24/25/29.97/30/47.95/48p ProRes: 5.2K: 5280×2160, 23.976/24/25/29.97/30p, HQ H.264/H.265: 3.8K: 3840×1572, 23.976/24/25/29.97/30p, full FOV
Temperature	
Operating Temperature Range	-4° to 104° F (-20 to 40° C)
Storage Temperature Range	-4° to 140° F (-20 to 60° C)