

INSPIRE 3 X9 DRONE



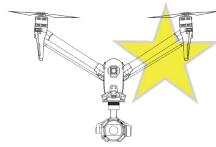
Light Lifter UAS

The DJI Inspire 3 UAS with the Zenmuse X9-Air gimbal camera sets a new high standard in unmanned 8K aerial cinematography.

The lightweight body and classic streamlined shape improve flight maneuverability and flight times up to 28 minutes. And the newly designed transformational body can guarantee an unobscured gimbal camera view with a tilt range of +100° to -115° with gear down, and +75° to -140° with gear up.

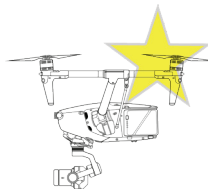
New flight recording capabilities provide repeatable flights and shots, as well as a "3D Dolly" feature that allows crews to use the drone like an aerial dolly that can move along the same path while still controlling the camera.

SPECIFICATIONS



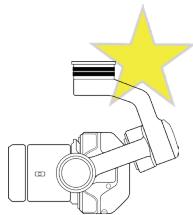
Dimensions

From propellers' tip to tip, the aircraft measures 34.0 inches (86.4 cm) long by 39.5 inches (100.3 cm) wide, and 13.0 inches (33.0 cm) tall.



Weights

The aircraft's empty weight is 5.22 lbs (2.37 kgs). Batteries weigh 2.06 lbs (0.93 kgs), and can carry up to 2.22 lbs (1.01 kgs) payload. Max takeoff weight is 9.50 lbs (4.31 kgs).



Ranges

Depending on mission activity, the aircraft flight time ranges from 13-28 minutes at max takeoff weight. It can reach a max cruise speed of 50 kts (58 mph). Its visual line of sight flight range is 4-7 miles. It can fly in up to 24 kts (28 mph) wind.

Payload

The payload is the Zenmuse X9 gimbal/camera, which features a full frame 35mm sensor capable of capturing up to 8K resolution in the CinemaDNG and ProRes encoding formats, with 18mm, 24mm, 35mm, and 50mm prime lenses.

CREATIVITY IN REACH®

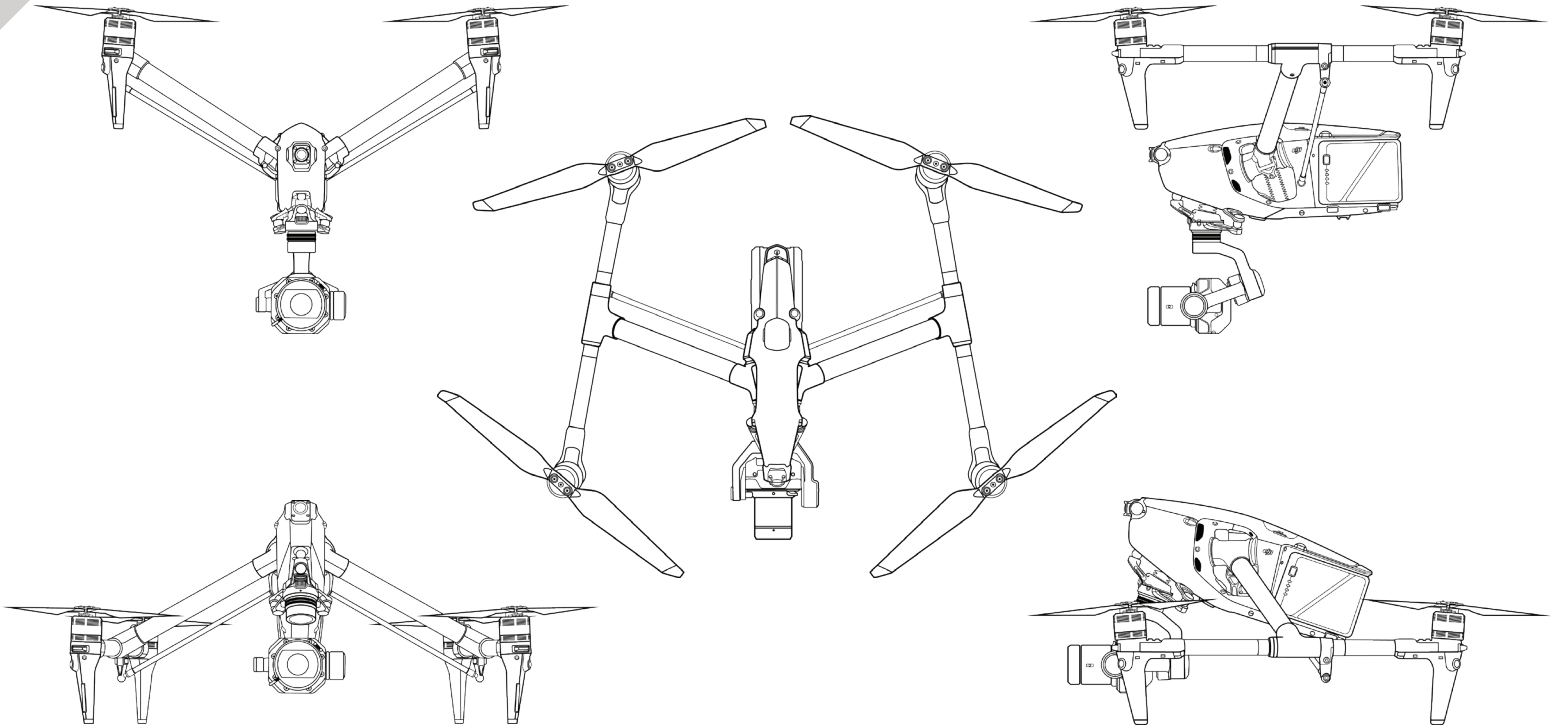
www.procamrentals.com

(818) 717-0354

marketing@procamrentals.com



INSPIRE 3 DRONE



FLIGHT TIMES



WEIGHTS

Aircraft Empty Weight	5.22 lbs
Power (2x 4280 mAh battery)	2.06 lbs
Payload* (Gimbal/Camera/Lens/Accessories)	2.22 lbs

* Weight shown is based on manufacturer's maximum takeoff weight. Within the United States, FAA regulations restrict all UAS flight operations from exceeding 55 total pounds.

DIMENSIONS

Length	34.0 in
Width	39.5 in
Height	13.0 in

PERFORMANCE & LIMITATIONS

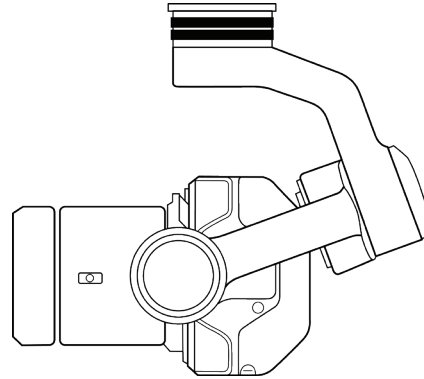
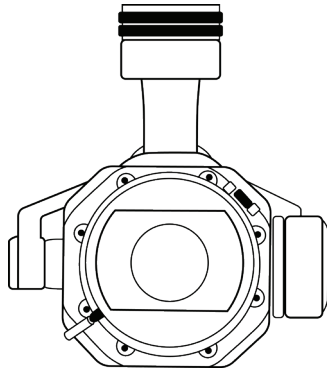
Cruise Speed	50 kts / 58 mph
Do Not Exceed Speed	74 kts / 85 mph
Rate of Climb/Descent	1,574 ft / min
Minimum Landing Zone Area	6 sq ft
Minimum Operating Temperature	-4 deg F
Maximum Operating Temperature	104 deg F
Maximum Range	4-7 miles VLOS
Maximum Endurance (Hover)	25 mins
Maximum Ceiling	22,966 ft MSL
Maximum Wind Resistance	24 kts / 28 mph
Maximum Takeoff Weight	9.50 lbs
Maximum Pitch Angular Velocity	300 deg / sec
Maximum Yaw Angular Velocity	150 deg / sec
Maximum Tilt Angle	40 deg

FLIGHT CREW REQUIREMENTS

1. Remote Pilot In Command
2. Aerial Camera Operator

* Our flight crews are trained, certified, and endorsed for each position.

ZENMUSE X9 SENSOR



The Zenmuse X9-8K Air gimbal camera supports dual native ISO and recording 35mm full frame at up to 8K 75fps ProRes RAW or 8K 25fps CinemaDNG as well as 4K 120fps video.

The camera system can be controlled through traditional cinematography methods including camera operation using DJI Master Wheels and DJI Three-Channel Follow Focus systems.

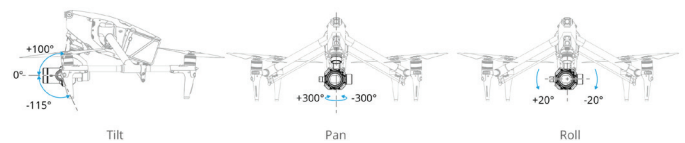


35MM SENSOR

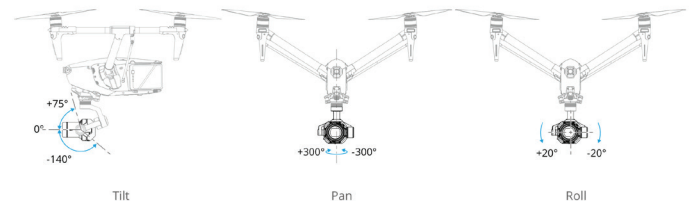
Sensor Type	35mm Full Frame CMOS
Sensor Size (Max Video Recording Area)	36.0x19.0mm
Max Video Resolution	8192x4320
Effective Pixels	44 MP
Video Formats	MOV, CinemaDNG
Dynamic Range	12+ Stops (above 30fps) 14+ Stops (below 30fps)
Dual Native ISO	320/1600 (above 30fps) 800/4000 (below 30fps)
Electronic Shutter Speed	1/8000 - 8s
ISO Range (Photos)	100 - 25600
ISO Range (Videos)	200 - 6400
White Balance (AWB/MWB)	2000K - 10000K

CAMERA AXIS RANGES

Controllable rotation range when landing gear lowered



Controllable rotation range when landing gear raised



ASPHERICAL LENSES

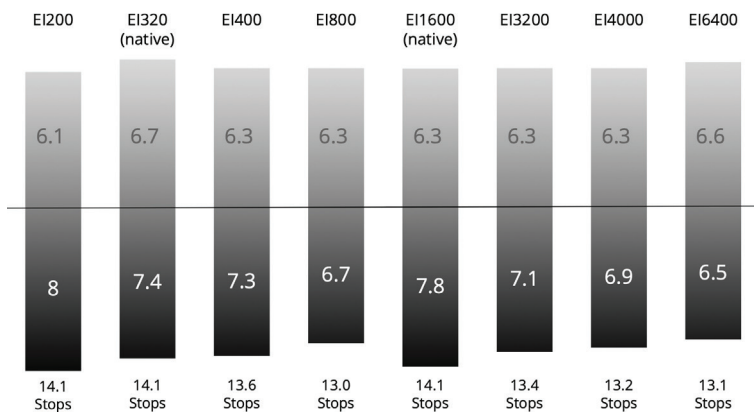
Focal Length	18mm	24mm	35mm	50mm
Aperture Range	F2.8 - F22	F2.8 - F16	F2.8 - F16	F2.8 - F16
Field of View	90.0x66.8°	73.7x53.1°	54.4x37.8°	39.6x27.0°
Close Focus	11.8"	2' 2"	2' 10"	3' 1"
Filter Diameter	55mm	46mm	46mm	46mm
Elements, Groups, ASPH	9/8/3	9/8/3	9/8/3	9/7/2
Barrel	64.5 x	55.0 x	55.0 x	55.0 x
Dimensions	62.8mm	71.2mm	71.2mm	71.2mm
Weight	182g	178g	179g	182g
Filtration	ND 1.2, ND 2.1, UV/IR Cut, UV MC Opt Flat			



RECORDING CODECS / RESOLUTIONS / FPS

Codec	Fov	Sensor Resolution		Sensor FPS/Rate																	
				23.976	24	25	29.97	30	48	50	59.94	60	* Choose after enabling S&Q mode								
													72	75	96	100	119.88	120			
Cinema DNG	FF	8192x4320	17 : 9	849MBps	849MBps	885MBps															
		7680x4320	16 : 9	796MBps	796MBps	829MBps															
		4096x2160	17 : 9	212MBps	212MBps	221MBps	265MBps	265MBps	425MBps	442MBps	531MBps	531MBps	637MBps	663MBps	849MBps	885MBps					
		3840x2160	16 : 9	199MBps	199MBps	207MBps	249MBps	249MBps	399MBps	415MBps	498MBps	498MBps	597MBps	872MBps	796MBps	829MBps					
	S35	5568x2952	17 : 9	394MBps	394MBps	411MBps	493MBps	493MBps	789MBps	822MBps											
		5248x2952	16 : 9	372MBps	372MBps	387MBps	465MBps	465MBps	744MBps	775MBps											
ProRes RAW	FF	8192x4320	17 : 9	425MBps	425MBps	442MBps	265MBps	265MBps	425MBps	442MBps	531MBps	531MBps									
		7680x4320	16 : 9	398MBps	398MBps	415MBps	249MBps	249MBps	398MBps	415MBps	498MBps	498MBps									
		8192x3424	2.39 : 1											505MBps	526MBps						
		4096x2160	17 : 9	106MBps	106MBps	111MBps	133MBps	133MBps	212MBps	221MBps	265MBps	265MBps	319MBps	332MBps	425MBps	442MBps	265MBps	265MBps			
	S35	5568x2952	17 : 9	198MBps	198MBps	206MBps	247MBps	247MBps	395MBps	412MBps	494MBps	494MBps									
		5248x2952	16 : 9	186MBps	186MBps	194MBps	232MBps	232MBps	372MBps	387MBps	465MBps	465MBps									
ProRes 422 HQ	FF	8192x4320	17 : 9	377MBps	377MBps	393MBps	471MBps	471MBps													
		7680x4320	16 : 9	352MBps	352MBps	396MBps	442MBps	442MBps													
		4096x2160	17 : 9	94MBps	94MBps	98MBps	118MBps	118MBps	189MBps	197MBps	236MBps	236MBps	283MBps	295MBps	377MBps	393MBps	471MBps	471MBps			
		3840x2160	16 : 9	88MBps	88MBps	92MBps	111MBps	111MBps	177MBps	184MBps	221MBps	221MBps	265MBps	265MBps	354MBps	369MBps	442MBps	442MBps			
	S35	4096x2160	17 : 9	94MBps	94MBps	98MBps	118MBps	118MBps	189MBps	197MBps	236MBps	236MBps									
		3840x2160	16 : 9	88MBps	88MBps	92MBps	111MBps	111MBps	177MBps	184MBps	221MBps	221MBps									
H.264	FF	4096x2160	17 : 9	19MBps	19MBps	19MBps	19MBps	19MBps	26MBps	26MBps	26MBps	26MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	
		3840x2160	16 : 9	19MBps	19MBps	19MBps	19MBps	19MBps	26MBps	26MBps	26MBps	26MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	
	S35	4096x2160	17 : 9	19MBps	19MBps	19MBps	19MBps	19MBps	26MBps	26MBps	26MBps	26MBps									
		3840x2160	16 : 9	19MBps	19MBps	19MBps	19MBps	19MBps	26MBps	26MBps	26MBps	26MBps									

EL GRAYSCALE (ABOVE 30FPS)



EL GRAYSCALE (BELOW 30FPS)

