

## X9-8K Air Gimbal Camera

The X9-8K Air camera supports recording at up to 8K 75fps ProRes RAW video and capturing 44MP photos. The camera has 12+ stops of dynamic range when recording at above 30fps video and dual native ISO of 320/1600, and 14+ stops of dynamic range when recording at 30fps video or below and dual native ISO of 800/4000.

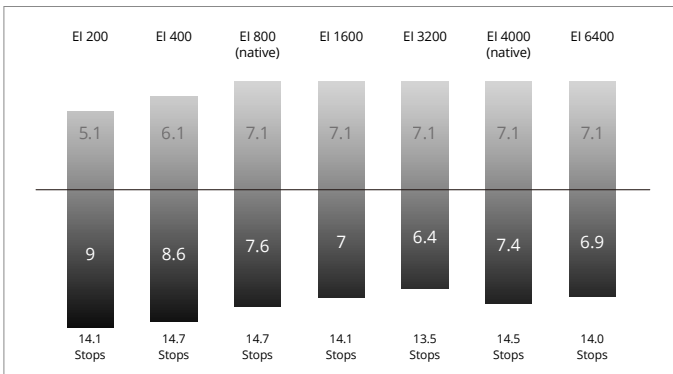
### Camera Specifications

#### Recording Specifications

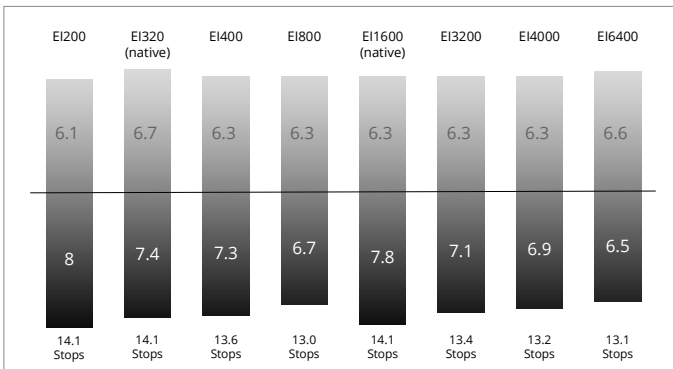
Refer to [Recording Specifications](#) in the Specifications section for more information.

#### EI Grayscale

When recording at 8K 30fps video or below



When recording at above 8K 30fps video



## Image Sensor Resolution

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CinemaDNG Full Frame 8.1K 17:9 - 8192x4320  
CinemaDNG Full Frame 8K 16:9 - 7680x4320  
CinemaDNG Full Frame 4.1K 17:9 - 4096x2160  
CinemaDNG Full Frame 4K 16:9 - 3840x2160  
CinemaDNG Super 35 5.5K 17:9 - 5568x2952  
CinemaDNG Super 35 5.2K 16:9 - 5248x2952  
Apple ProRes RAW Full Frame 8.1K 17:9 - 8192x4320  
Apple ProRes RAW Full Frame 8K 16:9 - 7680x4320  
Apple ProRes RAW Full Frame 8K 2.39:1 - 8192x3424  
Apple ProRes RAW Full Frame 4.1K 17:9 - 4096x2160  
Apple ProRes RAW Full Frame 4K 16:9 - 3840x2160  
Apple ProRes RAW Super 35 5.5K 17:9 - 5568x2952  
Apple ProRes RAW Super 35 5.2K 16:9 - 5248x2952  
Apple ProRes 422HQ Full Frame 8.1K 17:9 - 8192x4320  
Apple ProRes 422HQ Full Frame 8K 16:9 - 7680x4320  
Apple ProRes 422HQ Full Frame 4.1K 17:9 - 4096x2160  
Apple ProRes 422HQ Full Frame 4K 16:9 - 3840x2160  
Apple ProRes 422HQ Super 35 4K 17:9 - 4096x2160  
Apple ProRes 422HQ Super 35 4K 16:9 - 3840x2160  
H.264 Full Frame 4.1K 17:9 - 4096x2160  
H.264 Full Frame 4K 16:9 - 3840x2160  
H.264 Super 35 4.1K 17:9 - 4096x2160  
H.264 Super 35 4K 16:9 - 3840x2160

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## Image Sensor Size

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CinemaDNG Full Frame 8.1K 17:9 - 36x19 mm  
CinemaDNG Full Frame 8K 16:9 - 33.8x19 mm  
CinemaDNG Full Frame 4.1K 17:9 - 36x19 mm  
CinemaDNG Full Frame 4K 16:9 - 33.8x19 mm  
CinemaDNG Super 35 5.5K 17:9 - 24.5x12.98 mm  
CinemaDNG Super 35 5.2K 16:9 - 23.1x12.98 mm  
Apple ProRes RAW Full Frame 8.1K 17:9 - 36x19 mm  
Apple ProRes RAW Full Frame 8K 16:9 - 33.8x19 mm  
Apple ProRes RAW Full Frame 8K 2.39:1 - 36x15.06 mm  
Apple ProRes RAW Full Frame 4.1K 17:9 - 36x19 mm  
Apple ProRes RAW Full Frame 4K 16:9 - 33.8x19 mm

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Apple ProRes RAW Super 35 5.5K 17:9 - 24.5×12.98 mm  
Apple ProRes RAW Super 35 5.2K 16:9 - 23.1×12.98 mm  
Apple ProRes 422HQ Full Frame 8.1K 17:9 - 36×19 mm  
Apple ProRes 422HQ Full Frame 8K 16:9 - 33.8×19 mm  
Apple ProRes 422HQ Full Frame 4.1K 17:9 - 36×19 mm  
Apple ProRes 422HQ Full Frame 4K 16:9 - 33.8×19 mm  
Apple ProRes 422HQ Super 35 4K 17:9 - 24.5×12.98 mm  
Apple ProRes 422HQ Super 35 4K 16:9 - 23.1×12.98 mm  
H.264 Full Frame 4.1K 17:9 - 36×19 mm  
H.264 Full Frame 4K 16:9 - 33.8×19 mm  
H.264 Super 35 4.1K 17:9 - 24.5×12.98 mm  
H.264 Super 35 4K 16:9 - 23.1×12.98 mm

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## Storing Photos and Videos

Read the Using for the First Time section for the DJI PROSSD installation information.

The included DJI PROSSD 1TB supports internal recording of the highest format and the footage can be read in the computer directly through the provided USB-C to USB-C high-speed data cable. No card reader is required.

## DJI PROSSD Use Notes

- To ensure stability and reliability during recording, DJI Inspire 3 does not support third-party SSDs.
- To format the DJI PROSSD, insert the DJI PROSSD into the aircraft, and format it in the app.
- To ensure high-standard recording performance, it is not recommended to write data to the DJI PROSSD using a third-party device (such as computers or iPads). If there is any writing operation in these ways, it is recommended to format it through the aircraft before use.
- It is recommended to format the DJI PROSSD before recording videos and taking photos. Before formatting, make sure to export the existing material on the DJI PROSSD.
- DO NOT remove the DJI PROSSD or power off the aircraft when initiating or formatting the DJI PROSSD, or during video recording.
- Make sure to export photos and videos from the DJI PROSSD at a temperature ranging from -10° to 40° C (14° to 104° F).
- Store the DJI PROSSD with the environment temperature ranging from -40° to 80° C (-40° to 176° F).
- Note that the capacity of DJI PROSSD is 1 TB while the actual capacity is 935 GB.
- DO NOT cover the metal surface of the DJI PROSSD (with stickers) to ensure heat dissipation.

## Recording Specifications

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	8192×4320	17 : 9	849MBps	849MBps	885MBps															
		7680×4320	16 : 9	796MBps	796MBps	829MBps															
		4096×2160	17 : 9	212MBps	212MBps	221MBps	265MBps	265MBps	425MBps	442MBps	531MBps	531MBps	637MBps	663MBps	849MBps	885MBps					
		3840×2160	16 : 9	199MBps	199MBps	207MBps	249MBps	249MBps	399MBps	415MBps	498MBps	498MBps	597MBps	872MBps	796MBps	829MBps					
	S35	5568×2952	17 : 9	394MBps	394MBps	411MBps	493MBps	493MBps	789MBps	822MBps											
		5248×2952	16 : 9	372MBps	372MBps	387MBps	465MBps	465MBps	744MBps	775MBps											
ProRes RAW	FF	8192×4320	17 : 9	425MBps	425MBps	442MBps	265MBps	265MBps	425MBps	442MBps	531MBps	531MBps									
		7680×4320	16 : 9	398MBps	398MBps	415MBps	249MBps	249MBps	398MBps	415MBps	498MBps	498MBps									
		8192×3424	2.39 : 1										505MBps	526MBps							
		4096×2160	17 : 9	106MBps	106MBps	111MBps	133MBps	133MBps	212MBps	221MBps	265MBps	265MBps	319MBps	332MBps	425MBps	442MBps	265MBps	265MBps			
	S35	5568×2952	17 : 9	198MBps	198MBps	206MBps	247MBps	247MBps	395MBps	412MBps	494MBps	494MBps									
		5248×2952	16 : 9	186MBps	186MBps	194MBps	232MBps	232MBps	372MBps	387MBps	465MBps	465MBps									
ProRes 422 HQ	FF	8192×4320	17 : 9	377MBps	377MBps	393MBps	471MBps	471MBps													
		7680×4320	16 : 9	352MBps	352MBps	396MBps	442MBps	442MBps													
		4096×2160	17 : 9	94MBps	94MBps	98MBps	118MBps	118MBps	189MBps	197MBps	236MBps	236MBps	283MBps	295MBps	377MBps	393MBps	471MBps	471MBps			
		3840×2160	16 : 9	88MBps	88MBps	92MBps	111MBps	111MBps	177MBps	184MBps	221MBps	221MBps	265MBps	265MBps	354MBps	369MBps	442MBps	442MBps			
	S35	4096×2160	17 : 9	94MBps	94MBps	98MBps	118MBps	118MBps	189MBps	197MBps	236MBps	236MBps									
		3840×2160	16 : 9	88MBps	88MBps	92MBps	111MBps	111MBps	177MBps	184MBps	221MBps	221MBps									
H.264	FF	4096×2160	17 : 9	19MBps	19MBps	19MBps	19MBps	19MBps	26MBps	26MBps	26MBps	26MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	
		3840×2160	16 : 9	19MBps	19MBps	19MBps	19MBps	19MBps	26MBps	26MBps	26MBps	26MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	38MBps	
	S35	4096×2160	17 : 9	19MBps	19MBps	19MBps	19MBps	19MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	
		3840×2160	16 : 9	19MBps	19MBps	19MBps	19MBps	19MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	26MBps	