

The Inspire 1 was a revelation. The first filmmaking drone in the world to integrate an HD video transmission system, 360° rotating gimbal and a 4K camera, as well as the simplicity of app control. The launches of the Zenmuse X5 and X5R cameras further cemented the Inspire as a critical tool for filmmakers around the globe.

The Inspire 2 takes everything that was good about the Inspire 1 and improves it. An all-new image processing system records at up to 5.2K in CinemaDNG RAW, Apple ProRes and more. It goes from 0 to 50mph (80kph) in just 5 seconds and hits a maximum speed of 58mph (94kph) and has a max descent speed of 9m/s for unheard of speed and agility in an aircraft this size. A dual battery system prolongs the flight time to a maximum of 27 minutes (with an X4S), while self-heating technology allows it to fly even in low temperatures. FlightAutonomy has been revised and developed specifically for the Inspire 2, providing two directions of obstacle avoidance and sensor redundancy. Increased intelligence adds multiple intelligent flight modes, including Spotlight Pro, giving even single pilots the ability to create complex, dramatic shots. An upgraded video transmission system is now capable of dual signal frequency and dual channel, streaming video from an onboard FPV camera and the main camera simultaneously, for better pilot and camera operator collaboration.

Image System

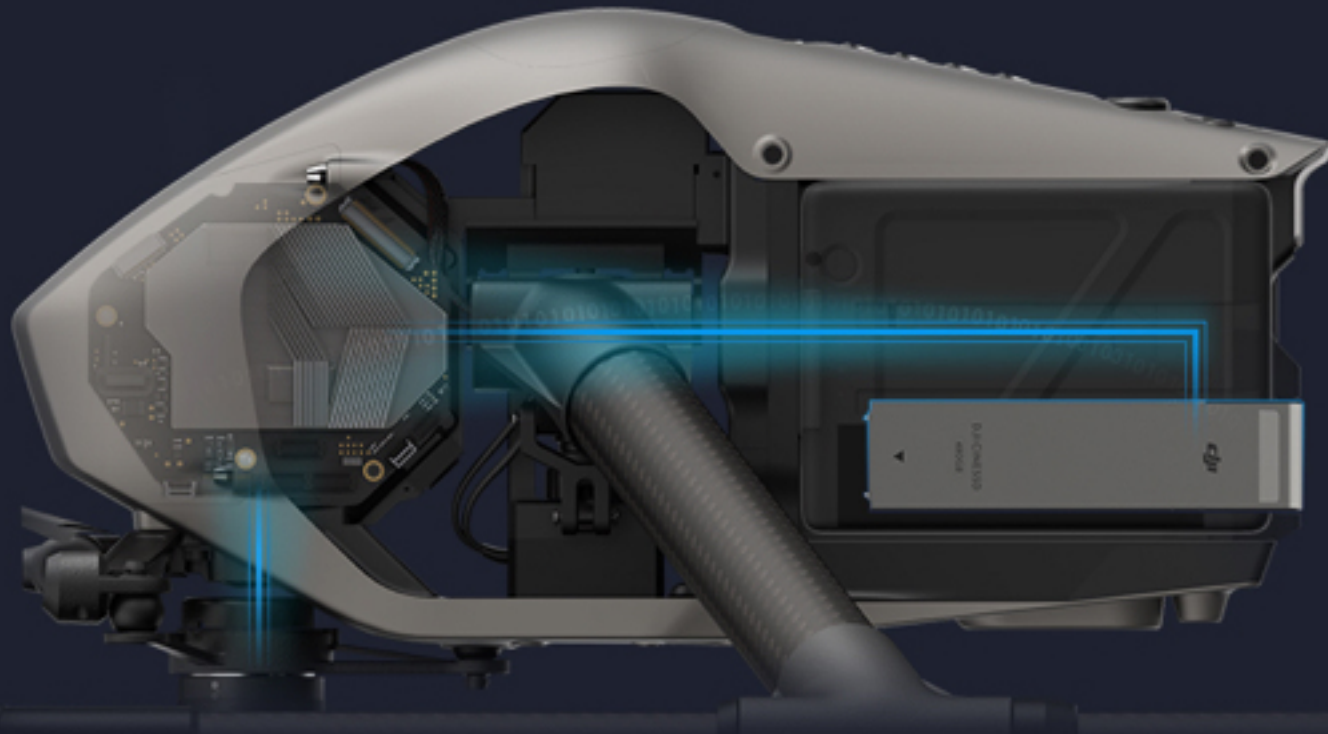


Image Processing:

Image Processing and storage: 5.2K@4.2Gbps RAW video recording, CineCore 2.0, integrated DJI CINESSD.

Video Format:

CinemaDNG and Apple ProRes 5.2K video support, H.265 and H.264 video codec support, 4K video at 100Mbps.

Recorded video can be stored simultaneously on the DJI CINESSD and a Micro-SD card.

File System:

FAT32/exFAT universal file system.

CineCore 2.0



X4S



X5S

5.2K 30fps
4K 60fps

CinemaDNG

20fps
Continuous Burst

3DNR

Apple ProRes

3DLUT

H.265
100Mbps

PIV

H.264
100Mbps

NVMe SSD
PCIe 3.0

Oversampling
Video

FAT32/exFAT

CinemaDNG

5.2K (5280*2972, 16:9) 30fps 12bit, 4.2Gbps

4K (4096*2160, 17:9) 60fps 10bit, 4.0Gbps