

# DRONE MISSIONS



### Drone security issues in the news

### DJI insisted drone-tracking AeroScope signals were encrypted — now it admits they aren't

The packets are in the air for anyone to grab

By Sean Hollister | @StarFire2258 | Apr 28, 2022, 3:34pm EDT

Onderzoek Chinese drones halen data binnen

### **Made for China**

De mini-helikopters van DJI, gebruikt door onder meer de N dataslurpers. Zonder toestemming van de gebruiker wordt s

F Y C SHARE

DHS warns of data threat from Chinese-made drones

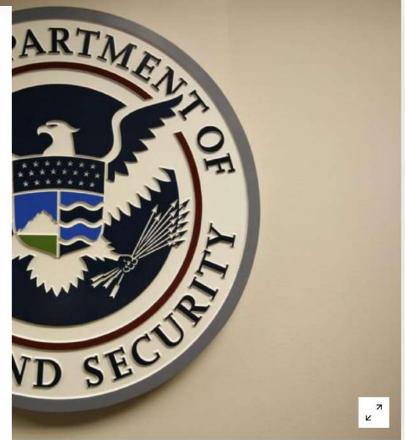
By David Shepardson

2 MIN READ



## FCC commissioner calls for tighter restrictions on DJI drones





toega

#### Drone security issues

Summary of press research results

- Research shows that DJI drones collects more data than is needed for a flight, such as:
  - -SIM card serial number
  - -Information about devices in the same WiFi network
  - -Phone screen brightness
- The US Federal Communications Commission claims that DJI collects sensitive data and therefore poses a "national security risk".
- Government organizations must take drastic precautions. Such as own operating software and own servers for data storage.

#### Chinese Drone Maker DJI Faces More U.S. Restrictions

FCC commissioner wants to blacklist the best-selling drone builder in the U poses a national security risk.

By Thom Patterson October 21, 2021

Chinese law allows its government to "compel DJI to assist it in espionage activities," the statement said.

"DJI drones...are collecting vast amounts of sensitive data."

- Federal Communications Commission's commissioner Brendan Carr in a statement











**DJI Cloud** 

DJI Apps

DJI Mobile SDK

**DJI Smart Controller** 



- The DJI cloud is a highly vulnerable product, where flight data and media are stored on Chinese servers. This service turned out to be relatively easy to access for malicious parties when in 2018 the IT security company Check Point was able to watch live flights as a result of a data breach.
- The DJI cloud leak is currently still unresolved, according to the multitude of platforms that offer DJI Import functions. Storing DJI credentials for this by third parties can lead to further security risks.





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	Import your DJI Flights our DJI account and automatically import your Cloud. To be able to access your latest flights,	
	vice (running DJI GO app) with DJI Cloud. Dup imported file are detected and ignore	olicated or already
DJI Account Ema	il	
Enter DJI Ac	count Email	
Password*		
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- AirHub has analyzed the requests sent from the following DJI apps: DJI GO4,
   DJI Fly, DJI Pilot.
- This showed that these apps send a multitude of requests to all kinds of different servers and websites. It is striking that this traffic differs per app in both amount and destination.
- Without logging in, functions are limited or an app can even become completely unusable. By logging in, DJI can link all kinds of data to its users.









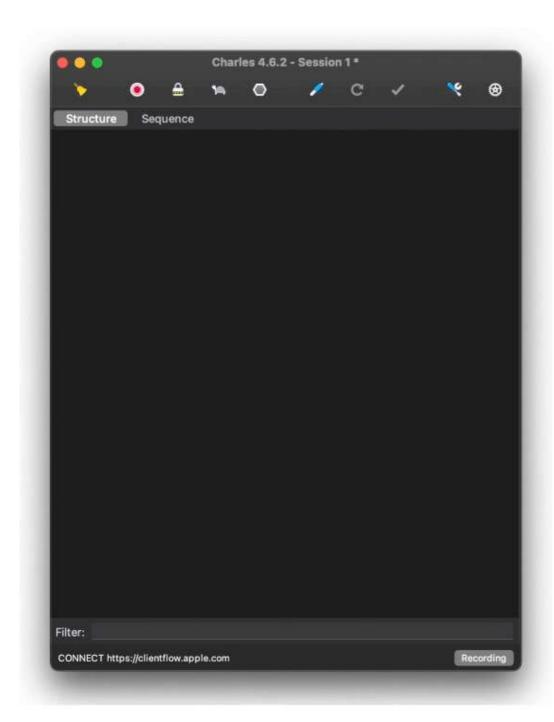
Data traffic – DJI GO4







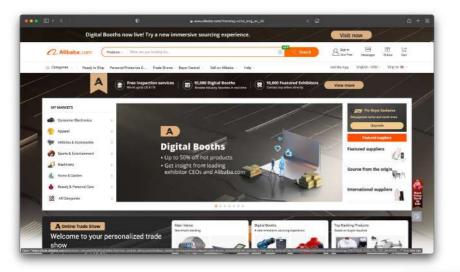
Data traffic - DJI GO4

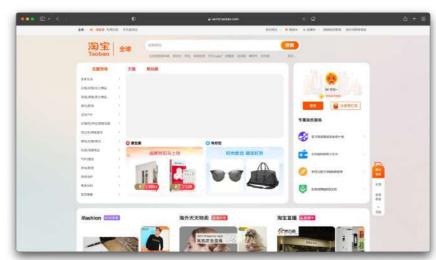




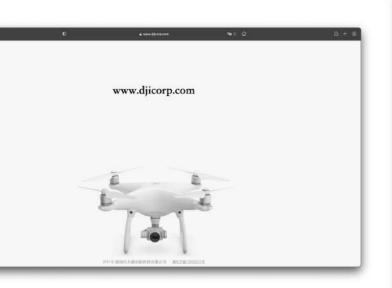


DJI Apps – Requests





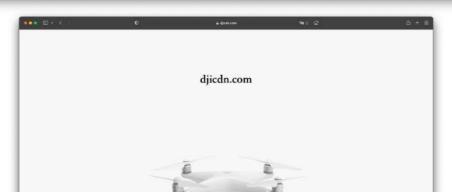










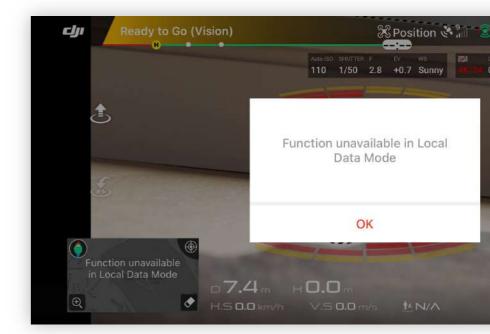




## DJI Security Audit by AirHub DJI Apps - LDM

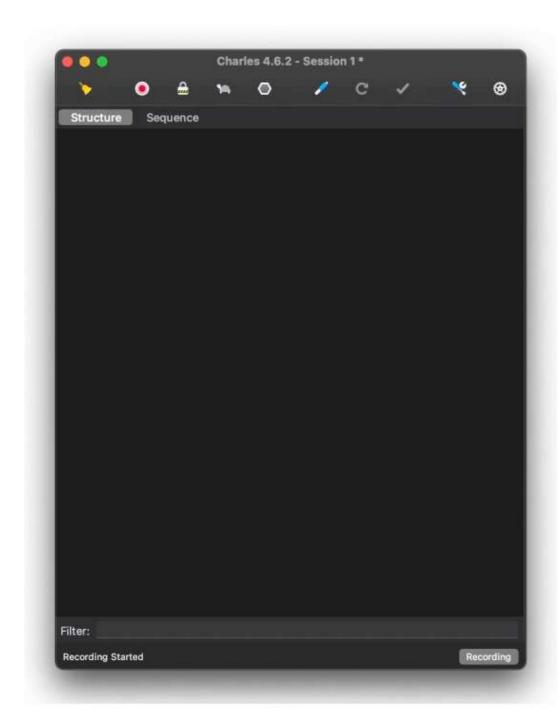
- The Local Data Mode can be enabled from within the DJI Apps under the heading Privacy. LDM eliminates requests deemed unnecessary by DJI.
- When using LDM, DJI also determines when and especially what data is sent and where to. However, the number of requests from the apps is a lot lower. This does differ per app, which means that LDM is not a uniform product.
- The following functionalities are disabled when turning on LDM:
  Video streaming (YouTube, Facebook & RTMP) Unlock
  geofences (DJI verified)







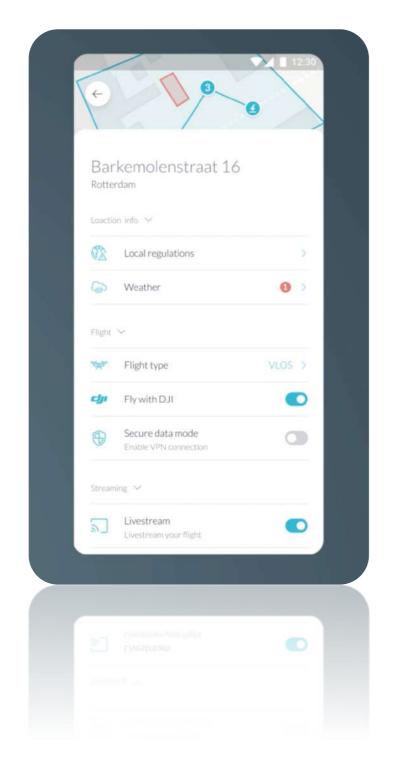
Data traffic - DJI Fly with LDM







#### AirHub solution





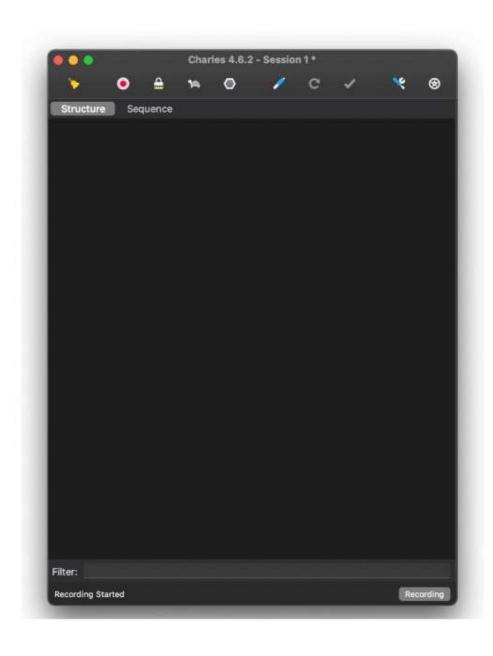
**DJI Smart Controller** 

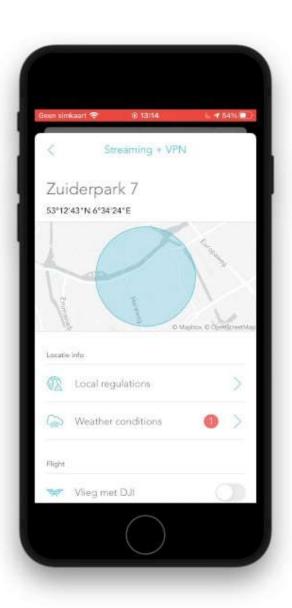


iOS & Android



#### Streaming - DJI SDK with AirHub Secure Data Mode







Thank you for your attention

