

Sending max beacon frame					
Script	Time of monitoring (min)	Size1 (flightLog file)	Size2 (flightLog file)	Size3 (flightLog file)	Info
max_fields_before_dji_presence.py	5	488.81K	473.12K	574.57K	The data shown by the Aeroscope are not the one present in RemoteID. Sent a beacon frame with maximum length for scapy. Entry of flightLog ~ 15 rows. I think that the Aeroscope accepts a fixed number of bytes in general, a fixed number of bytes before looking at the vendor specific dji. These are the max number of bytes accepted before dji vendor specific (835 bytes), so that the Aeroscope can detect a presence. In the Raw data only the 16 (=x10) is present; the other bytes are not the one in the remote ID and also the serial number shown in the icon is not the correct one. E.g., if I add vendor1 (len=2+3) before vendor dji and reduce ie_rsn to 193 the Aeroscope still detects a presence. I can also add other vendors (till reaching the maximum length) after ie_vendor_dji to make the beacon bigger but it seems that the Aeroscope discards them and also the length of the entries of the flightLog file are the same.
max_vendors_before_dji_presence.py	5	423.23K	421.60K	415.28K	The data shown by the Aeroscope are not the one present in RemoteID. Sent a beacon frame with maximum length for scapy. Entry of flightLog ~ 15 rows. The Aeroscope detects the presence , it seems that it accepts 841 bytes before vendor dji. In the Raw data only the 16 (=x10) is present; the other bytes are not the one in the remote ID and also the serial number shown in the icon is not the correct one.
max_fields_before_dji_payload.py	5	594.86K	507.20K	691.92K	Data shown by the Aeroscope are the one present in the Remote ID. It generates the largest entry in the flightLog file since raw data contains all the dji vendor specific data, moreover the uuid is present (this increases the size of each entry of the log file). Here, I put the uuid bytes of the vendor specific data equal to ascii characters as happens in normal scenarios. In this way the entry of the log files increases slower ~ 15 rows (in the flightLog file the uuid is printed in unicode that requires more space in terms of lines). From this script it is possible to state that the Aeroscope accepts as maximum 842 bytes and the last 54 bytes of the dji vendor are not parsed. See max_flightLog_entry.py for uuid in unicode (max length for the entry of the flightLog file)
max_flightLog_entry.py	5	641.74K	661.65K	637.31K	Only mandatory beacon fields, the dji payload is equal to the one in max_fields_before_dji_payload.py but with bytes related to UUID different from ascii characters. The remaining 54 bytes that are not parsed but present in the raw data are chosen in a way that they generate decimals of 3 numbers (x96, to increase the space faster). Indeed, in this way it generates bigger entries in the flightLog file ~ 20 rows.
max_fields_max_flightLog.py	5	690.42K	703.70K	681.54K	Same as max_fields_before_dji_payload.py but with the payload of max_flightLog_entry.py ~ 20 rows
Sending n=1000 max beacon frame					
same as max_fields_max_flightLog.py but packets are sent in a list					
DJI payload	Time of monitoring (min)	Size1 (flightLog file)	Size2 (flightLog file)	Size3 (flightLog file)	Storage (increase)
n_bigbeaconframe.py	5	1.35M	1.15M	1.28M	~2M