Drone Forensics: A Case Study on DJI Mavic Air 2

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Abstract— **With the inundation of more cost effective and improved flight performance Unmanned Aerial Vehicles (UAVs) into the consumer market, we have seen more uses of these for both leisure and business purposes. As such, demand for digital forensic examination on these devices has seen an increase as well. This research will explore and discuss the forensic examination process on one of the more popular brands of UAV in Singapore, namely DJI. The findings are from the examination of the exposed File Transfer Protocol (FTP) channel and the extraction of the Data-at-Rest on the memory chip of the drone. The extraction was done using the Chip-Off and Chip-On technique.**

Keywords— **DJI, Mavic Air 2, FTP, Drone Forensics, Unmanned Aerial Vehicle**

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