

ACCIDENT

Aircraft Type and Registration:	DJI Matrice M210 V2, (UAS registration n/a)	
No & Type of Engines:	4 electric motors	
Year of Manufacture:	2019 (Serial no. 17TDGN0032651)	
Date & Time (UTC):	5 March 2020 at 2220 hrs	
Location:	Mill Lane, Ludlow	
Type of Flight:	Emergency services operations	
Persons on Board:	Crew - N/A	Passengers - N/A
Injuries:	Crew - N/A	Passengers - N/A
Nature of Damage:	Damage to motor arms, propellers, batteries, gimbal bracket and cameras	
Commander's Licence:	Not applicable	
Commander's Age:	49 years	
Commander's Flying Experience:	19 hours (of which 4 were on type) Last 90 days - 3 hours Last 28 days - 1 hour	
Information Source:	Aircraft Accident Report Form submitted by the pilot	

The accident occurred on a dry, clear night, when the drone was at an extended range of approximately 590 m. The pilot was using first person view and the drone was within visual line of sight. Analysis of the flight data indicated that the UAS probably struck a tree while flying sideways after the pilot applied a right roll input. The Matrice 210's obstacle avoidance system is only capable of detecting approaching objects in front of the aircraft so it would have been unable to detect the tree.