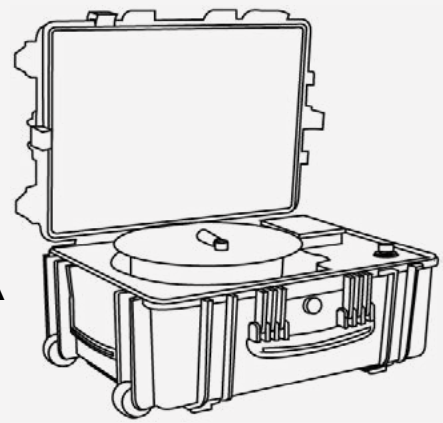


# Pop Up Telecommunications

## Morehead's Fazoli Festival, Kentucky, USA



Fazoli's Freedom Festival is the annual Independence Day celebration of Morehead, Kentucky, USA and gathers over 10,000 spectators on a single day. To ensure uninterrupted communications between the police department and other first responders. A DJI S900 tethered to a Ligh-T station was equipped with a wireless mesh node developed by Rajant, and deployed above the height of obstructions.



If there's an issue, we need to know quickly where it is, who's involved, how many people need to respond, who needs to respond, and that all starts with communication. In a kinetic mesh, everything is constantly moving, including the infrastructure, allowing an expansive network footprint.

Jim TomTrent, Morehead Mayor

### SOLUTION



To leverage the power of the Kinetic Mesh technology already available in the city, Rajant installed its 600g Breadcrumb ME4 Portable Wireless Mesh Network Node onto a DJI S900 drone powered by an Elistair Ligh-T tether station. This created a secured COW (Cell On Wings) without the need to building permanent cell towers to expand the existing network.

### RESULT OF THE MISSION



The tethered drone flew for 10 hours straight during the first day and for 7 hours on average during 2 other days, which allowed for a constant and secured communication network exclusively for the Police Department and other first responders. Network speed was about 40MBps/sec approximately 12km around the centre of the built up area.



10K Attendees



10 hours coverage



12Km coverage