



# EASTSIDE AERIALS

MAVIC 4 FOR BROADCASTING

## MAVIC 4

The Mavic 4 (Pro) is a compact camera drone from DJI that delivers broadcast-quality aerial footage for ENG and live productions particularly quickly on location thanks to its triple-lens camera, up to 51 minutes of flight time, and O4+ 10-bit HDR video transmission.

## HARDFACTS

<b>type</b>	multicopter-quadrocopter
<b>type of propulsion system</b>	electric (lithium-polymer)
<b>maximum take-off mass (MTOM)</b>	1063 g
<b>characteristic dimensions</b>	Folded (with propellers): 257,6 × 124,8 × 106,6 mm
<b>flight time</b>	51 minutes
<b>maximum speed</b>	25 m/s (sport mode) 15 m/s (tracking status)
<b>maximum altitude</b>	-
<b>maximum range</b>	30 km (FCC), 15 km (CE/SRRC/MIC)
<b>frequency of telemetry</b>	2.4000–2.4835 GHz 5.170–5.250 GHz 5.725–5.850 GHz



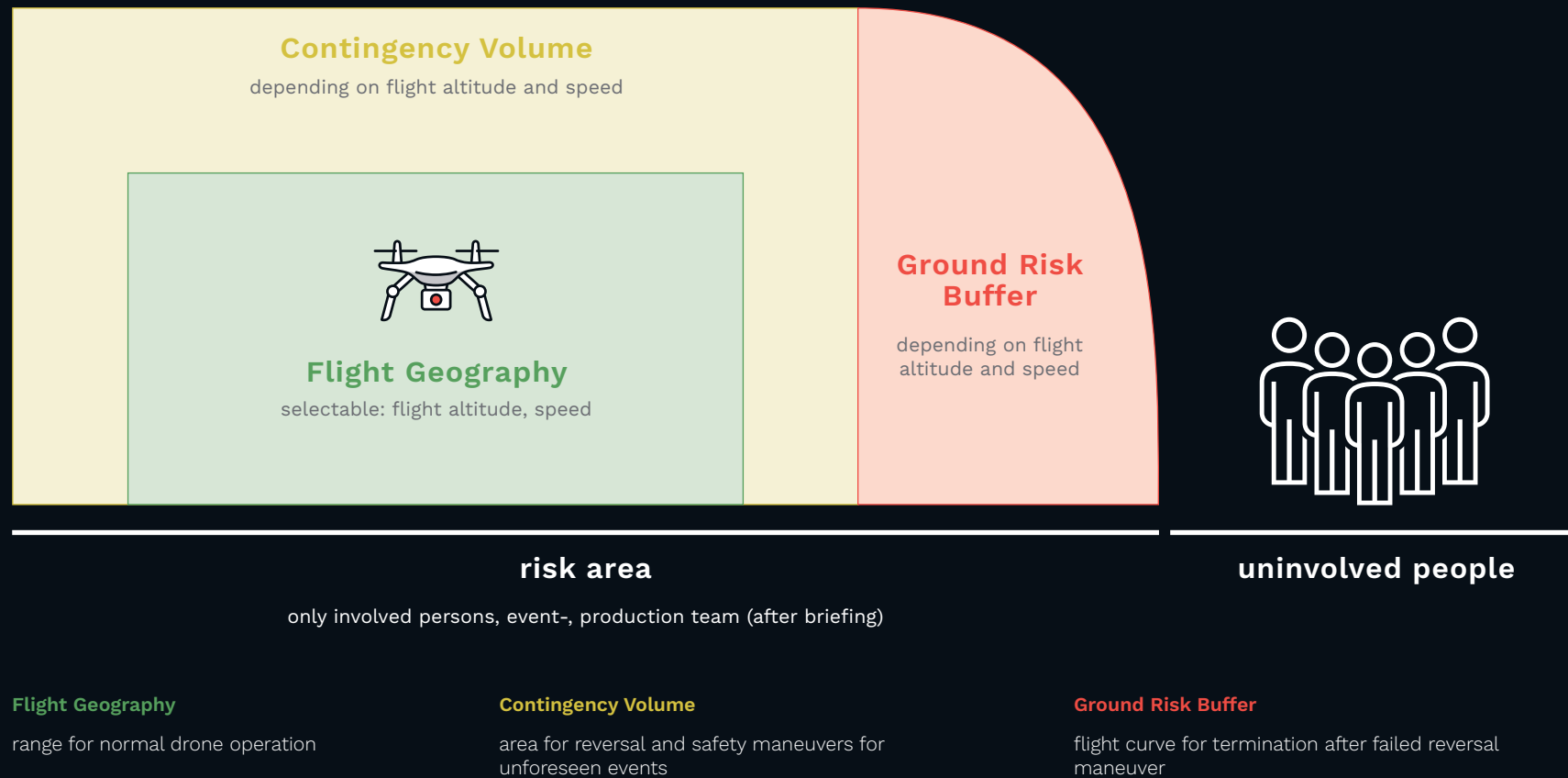
## CAMERA & TRANSMISSION

<b>camera</b>	Main camera: 4/3 CMOS, 100 MP Medium telephoto: 1/1.3", 48 MP Telephoto: 1/1.5", 50 MP
<b>lens</b>	-
<b>native formats</b>	-
<b>controllable parameters (DOP)</b>	focus, iris, zoom
<b>RCP (DOP / OB-van)</b>	-
<b>gimbal</b>	3-axis
<b>frequency video</b>	2.4 GHz & 5.8 GHz (depending on region)
<b>communication</b>	-



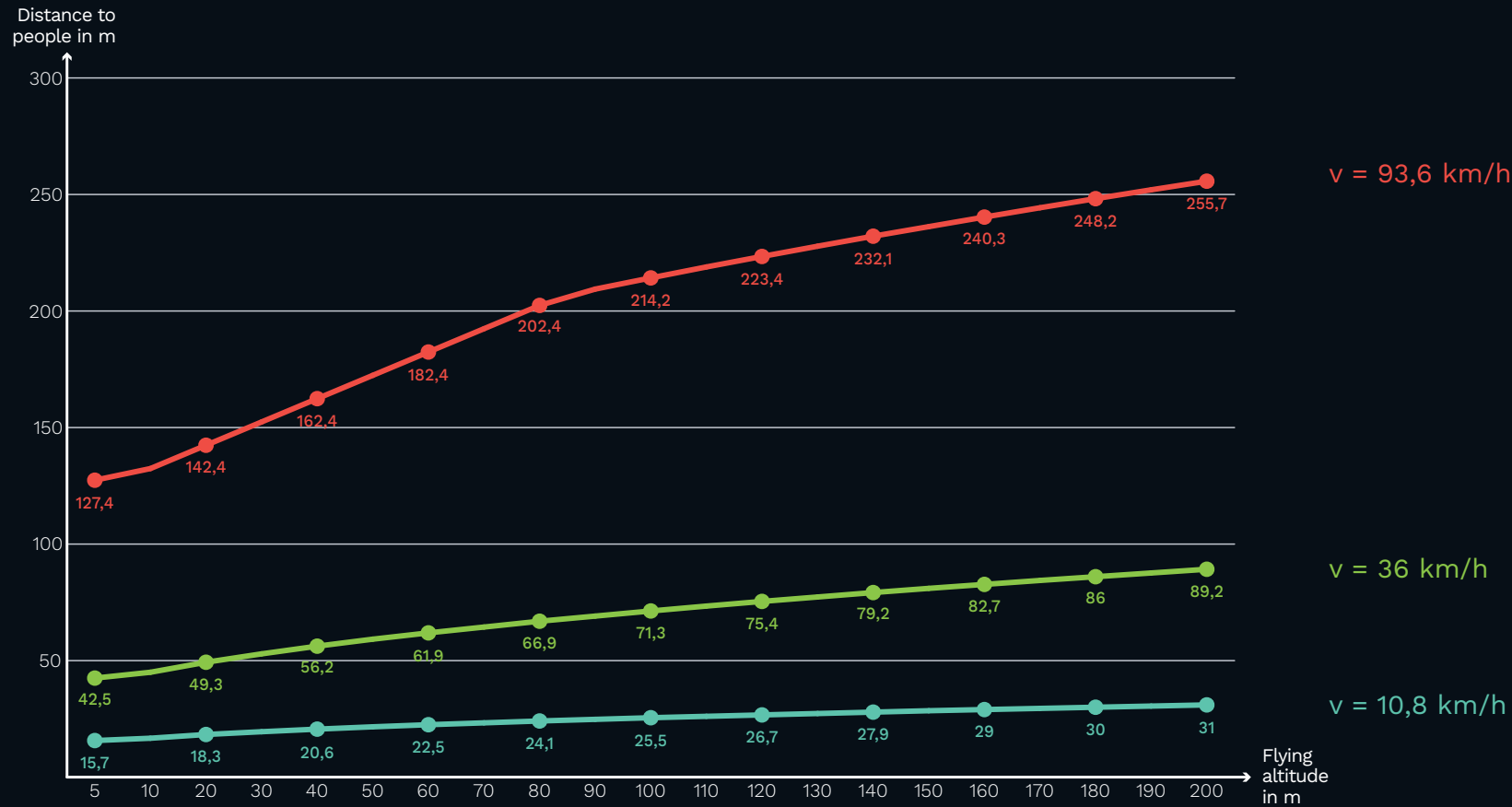
# SAFETY

Operational authorisation in the specific category (SORA) in the European standard forms the legal base for operations at large events with assemblies of people and in city centers.



# SAFETY

Instead of blanket prohibitions (city centers, airports, assemblies of people) projects in challenging environments can be realized by individual solutions (adjusting altitude and speed of UAV) (see diagram).



## SAFETY

- individual risk analyses, safety briefings as well as action and reporting chains for each production
- regular audits by independent authorities of the Luftfahrt Bundesamt
- all pilots with competence certificate A1/A3 and remote pilot certificate A2
- experience with international LIVE productions in wintersports, motorsports, major events
- Experience in preparation of complex productions with several stakeholders (organizer, int. production, LBA, event security, police)



## REQUIREMENTS

- desired flight geography needs to be communicated at least 2 weeks before production starts (at least 4 weeks when operation is abroad (EU))
- take-off and landing place within desired flight geography with uninterrupted visual line of sight to the UAV (increasments in terrain, rooftops, etc.)
- permanent parking for van near the stand (max. 50m)  
alternatively: space for base tent, 3x3m, level ground
- aunch platform for UAV, 2x2m, flat surface (platform floor or similar without railings)
- 32A power supply at the stand
- signal-pickup, supply of a programm-feed and 4-wire for communitation
- permission of property owner for take-off and landing
- fixed contact for security-related matters



# MAVIC 4 DEMO



# EASTSIDE AERIALS

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