



EASTSIDE AERIALS

ALTA X FOR BROADCASTING

ALTA X

As a modular heavy-lift drone, the Freefly Alta X can carry a wide variety of broadcast-quality camera setups up to 4K, including full live control via radio and RCP.

HARDFACTS

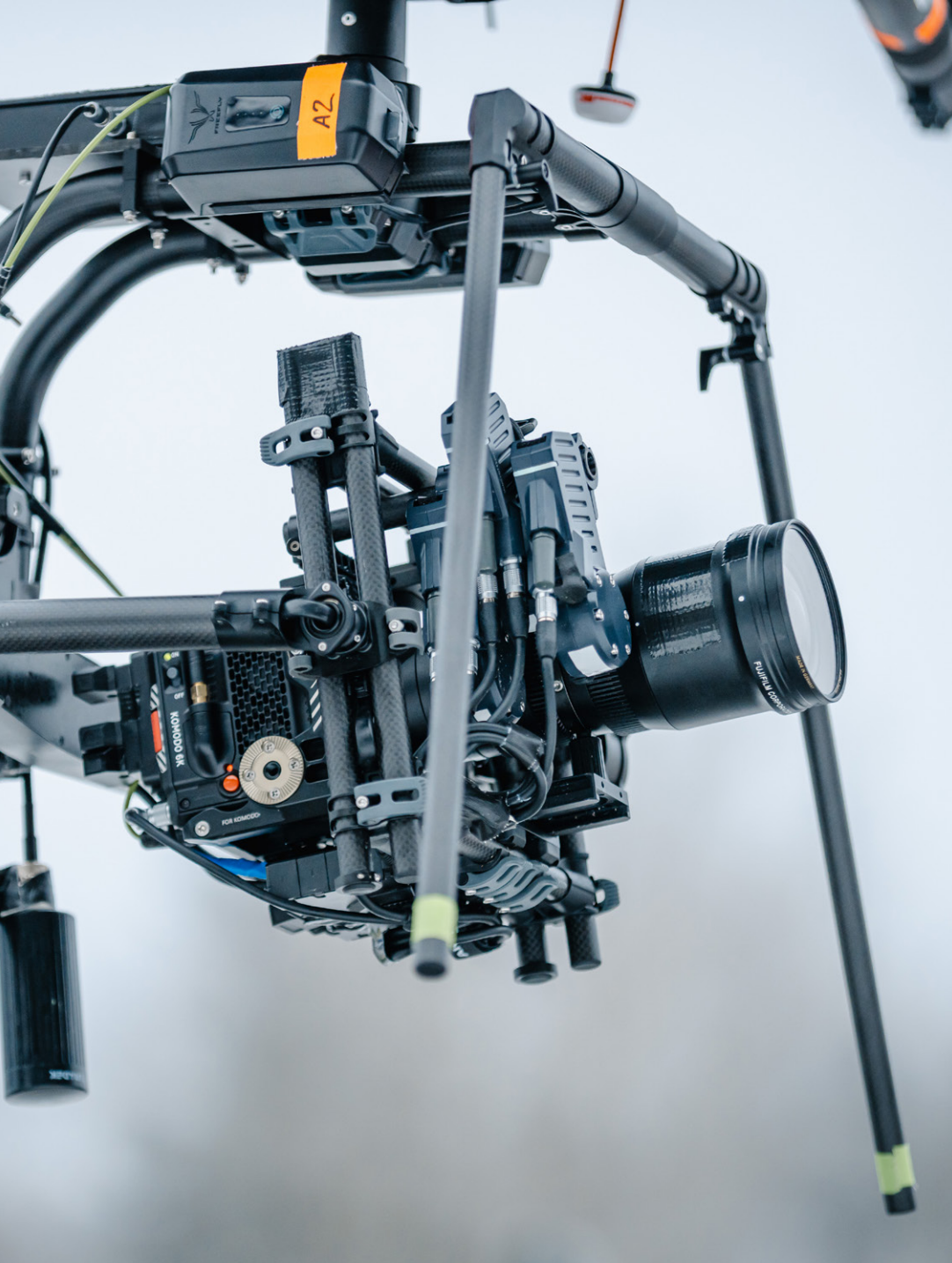
type	multirotor
type of propulsion system	electric (lithium-polymer)
maximum take-off mass (MTOM)	30 kg
characteristic dimensions	2,273 m
flight time	15 – 25 minutes (depending on camera-setup)
maximum speed	95 km/h
maximum altitude	unlimited (subject to approval)
maximum range	1 km
frequency of telemetry	2,4 GHz; 5,8 GHz; 868 MHz



CAMERA & TRANSMISSION

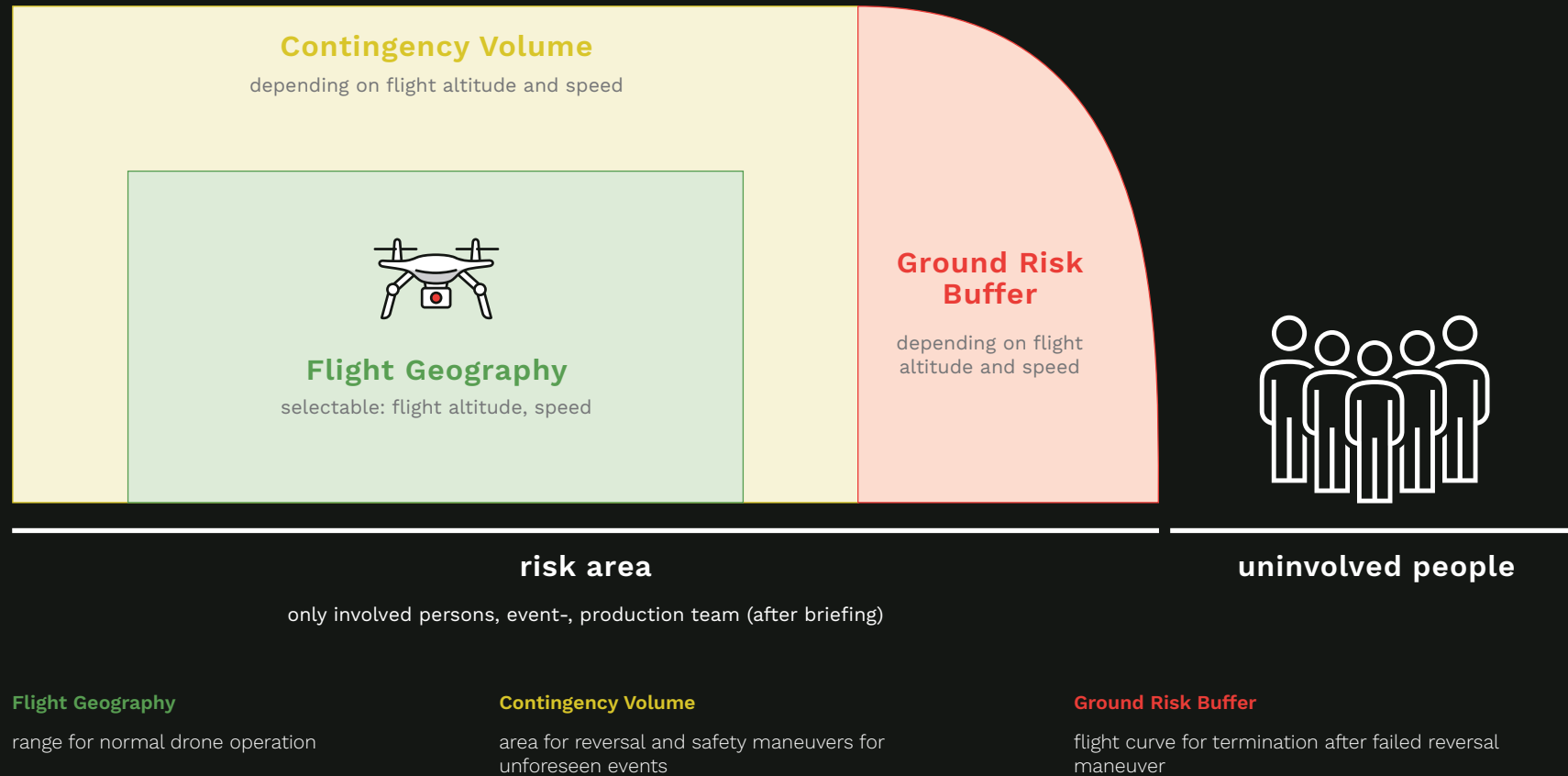
camera	Canon C70 (selectable)
lens	Canon CN-E18-80mm T4.4 (S35) (selectable)
native formats	1080i50, 4K50, 1080p50
controllable parameters (DOP)	focus, iris, zoom
RCP (DOP / OB-van)	CyanView via LTE (also available in OB-van)
gimbal	3-axis - 360° infinity pan, 135° tilt
frequency video	4,9 - 6 GHz / alternative 2 GHz 40 MHz / 10 MHz channel bandwidth
communication	wireless-intercom (team) with 4-wire integration for connection to OB-van





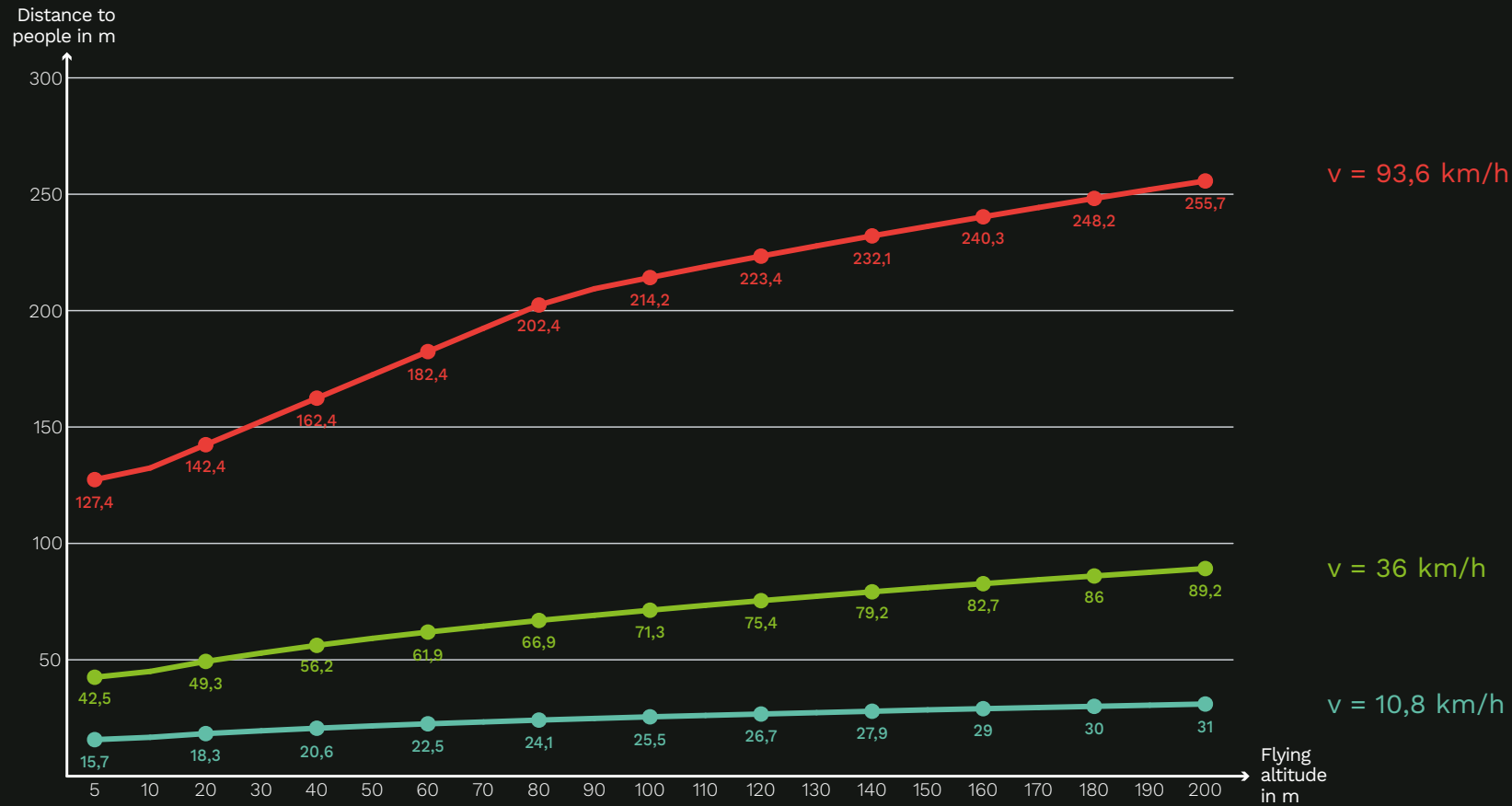
SAFETY

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
- launch 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 communication
- permission of property owner for take-off and landing
- fixed contact for security-related matters



ALTA X DEMO



EASTSIDE AERIALS

a brand of
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