

TECHNICAL INFORMATION

Technical Information for the Soulcam Airship

Volume : 100 M3

Dimensions : Length 14m , Diameter 3,8m

Movement : All axis (from 0-30 km/h , maximum altitude from groundlevel 150m)

Propulsion : 4 electric motors, radio-controlled from the ground. Motors are battery operated.

Safety : An autonomous safety valve (for the evacuation of the helium gas) allowing an unmotorised return to groundlevel.

Quick-release of a security leash by an assistant

Extra radio-control for safety (identical to the main command)

Shooting protocol :

Definition of a distinct 'waiting period'

within which the Soulcam meteorologist validates potential windows of operation.

With an anticipation period of 10 days (validated 5 days before shooting).

Gyrostabilised mount - Pan : 360°

Tilt : 180°

Roll : +/- 30°

Weight when empty : 6kg

REDONE 4K

lens : 10 / 14 / 20 mm

HD

Panasonic Varicam / 900 / 2000 / 3000

lens : 10 / 14 / 20 mm HD

Sony HD 950 / 900 R / 750

lens : 10 / 14 / 20 mm HD

35mm

EYEMO (30m)

lens : 18 / 24 / 35mm

ARRI 235 (60m et 120m)

lens : 18 / 24 / 35mm

Super 16mm

AATON A-minima / ARRI SR II / III

lens : 9 / 12 / 16 / 25 mm

HDV / DVCPRO HD

Panasonic HVX 200 / Sony Z1

Communication :

HF console to pilot the camera mount

Separate control : on/off gyro (pan, tilt, roll)

Sensitive joystick control for camera movements (pan,tilt)

Control of 'record' activation

HF colour video emitter (2km)

HF radio emitter (control pan/tilt/roll over 3km)

Image relayed to control monitor at groundlevel

Technical staff : 5 people

- Pilot/director of photography
- Second pilot
- Operator
- 2 technical assistants

Helium : 120m3 per shoot

Mail: contact@soulcam.fr