

ROBYCAM 3D

Robycam 3D is a cable-suspended camera that can move freely through space in vertical and horizontal dimensions allowing to shoot spectacular images from the view angles, that no other camera can achieve. Robycam systems can be used indoor and outdoor and are available both for fixed installation or in a mobile variant for multi-event applications.

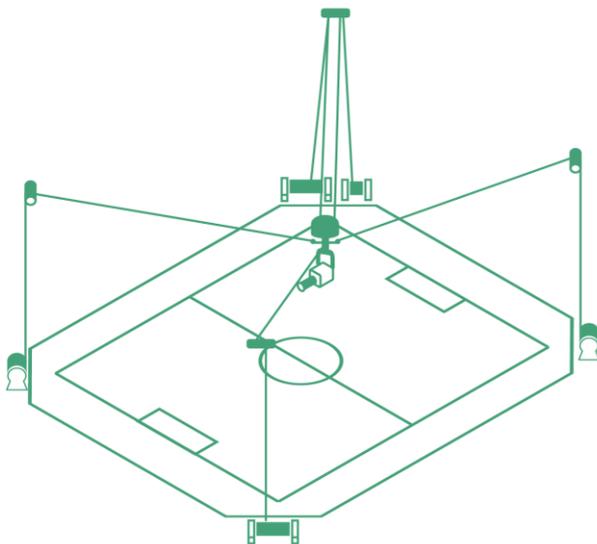
Key features

- Flying area of 200m x 200m (650ft x 650ft)
- Top speed of up to 8 m/s
- Fiber-optic transmission channel to/from the dolly
- UHD options for Quad-SDI and double-fiber cameras
- Integrated AR camera tracking solution (no third-party equipment required)
- Polyspast mode

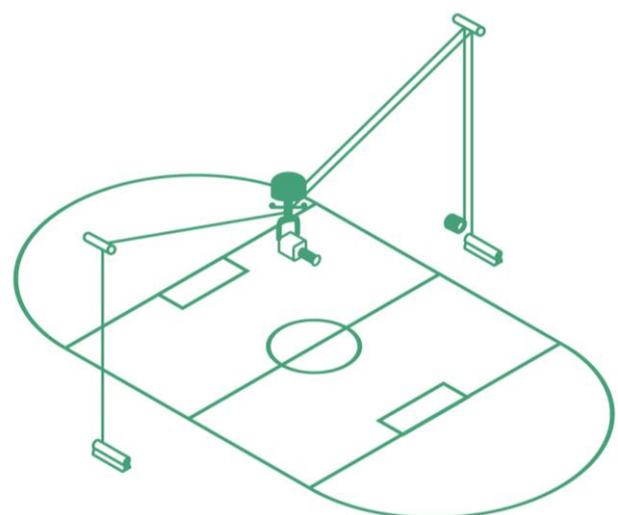
The suspension ropes of the dolly can be wired in a special “polyspast” mode, which allows to apply more force from the winches to the dolly increasing the maximal working height without altering hardware of the system.

- Safety: Certified in accordance with DGV 17/18 (former BGV-C1), Germany
- Available for stationary installations

Working modes



3D mode: four power winches + fiber winch.
Working zone is a 3D space between the pulleys.
Allows free movement within the working zone in all 3 directions.



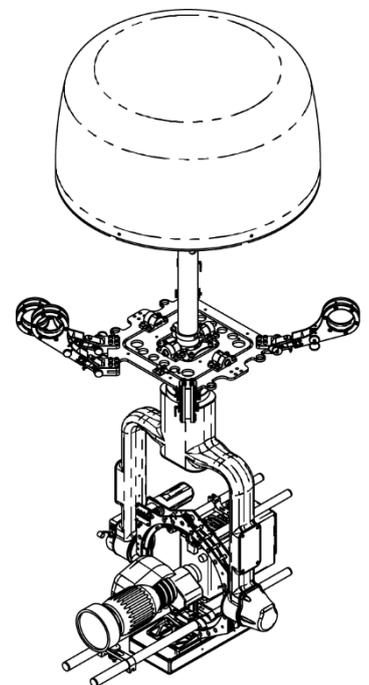
2D mode: two power winches + fiber winch.
Working zone is a vertical plane between the pulleys.
Suits for locations, where a lot of other equipment (e.g. lights) is obstructing pure 3D operation.

Winches

- Power: **3..7,5 kW**
- Cable capacity: **up to 330 m**
- Catenary rope with more than 12 times safety margin relative to the working loads
- Double brakes with automatic engagement in case of power loss
- Internal safety monitoring system in each system.
- Emergency stop time no more than **50 ms**.
- Dimensions: **203 x 57 x 90 cm** without electric cabinets (shorter versions available)
- Weight: **240 kg**

Dolly

- **3-axis** digital gyro-stabilization
- Unlimited pan
- Integrated fiber converter
- Integrated camera power supply
- Compatible cameras:
 - **HD**: Sony HDC-P1, Grass Valley LDX Compact and similar
 - **UHD**: Sony HDC-P43, Grass Valley LDX Compact, Panasonic AK-UB300 and similar
 - **Cinema**: Alexa Mini, RED, Sony PMW-F55 etc.
- Compatible lenses: Canon and Fujinon ENG lenses
- Battery runtime: **6-8 hours**
- Total weight: **20 kg** approx.



Control station

- Constantly enabled safety borders (including non-square)
- Constant system state monitoring
- Fingerprint protection from unauthorized access
- Two-people required for operating: a pilot moving dolly in space and an operator controlling the camera head and the lens
- Motion tracking capabilities