CUSTOMIZABLE MOTORIZED TRAVELING

SPIRIT DOLLY

Push the limits of creativity

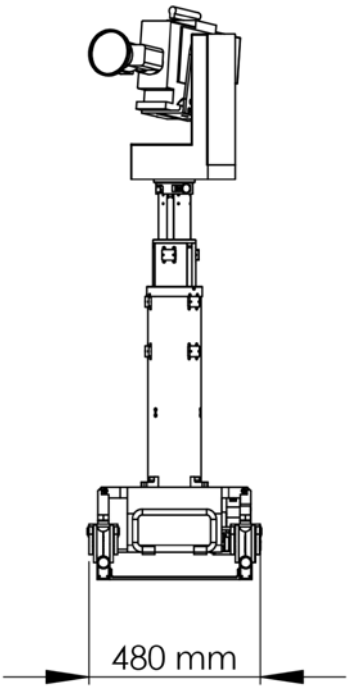
SPIRIT DOLLY is a versatile rail system that allows you to create the smoothest shots with the most flexibility both for indoor and outdoor events.

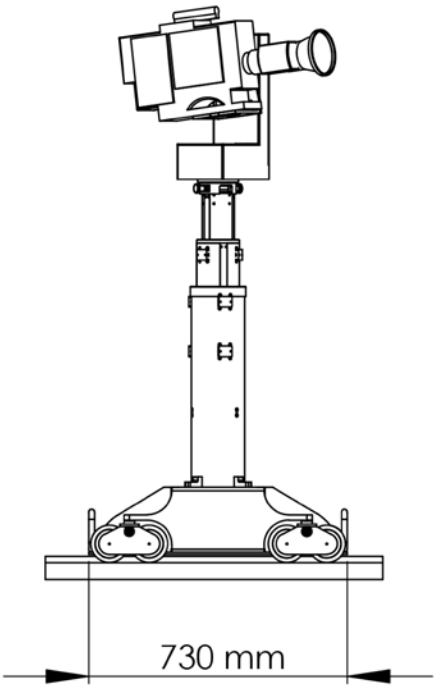
With our versatile, flexible rail based configurations DOLLY can be used with rigid rails (straight or curved) or) or a flexible rail which attaches directly to the ground.

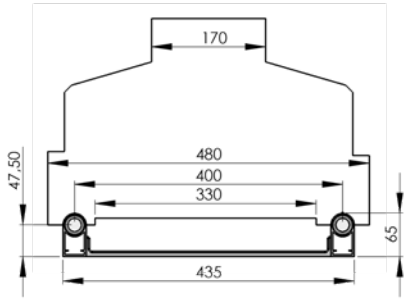
All speed, acceleration, and travel parameters are adjustable depending on your needs.

With a telescopic column, SPIRIT Lift, and a SPIRIT Head on top of it, you get a complete traveling system for achieving breathtaking shots.

DOLLY

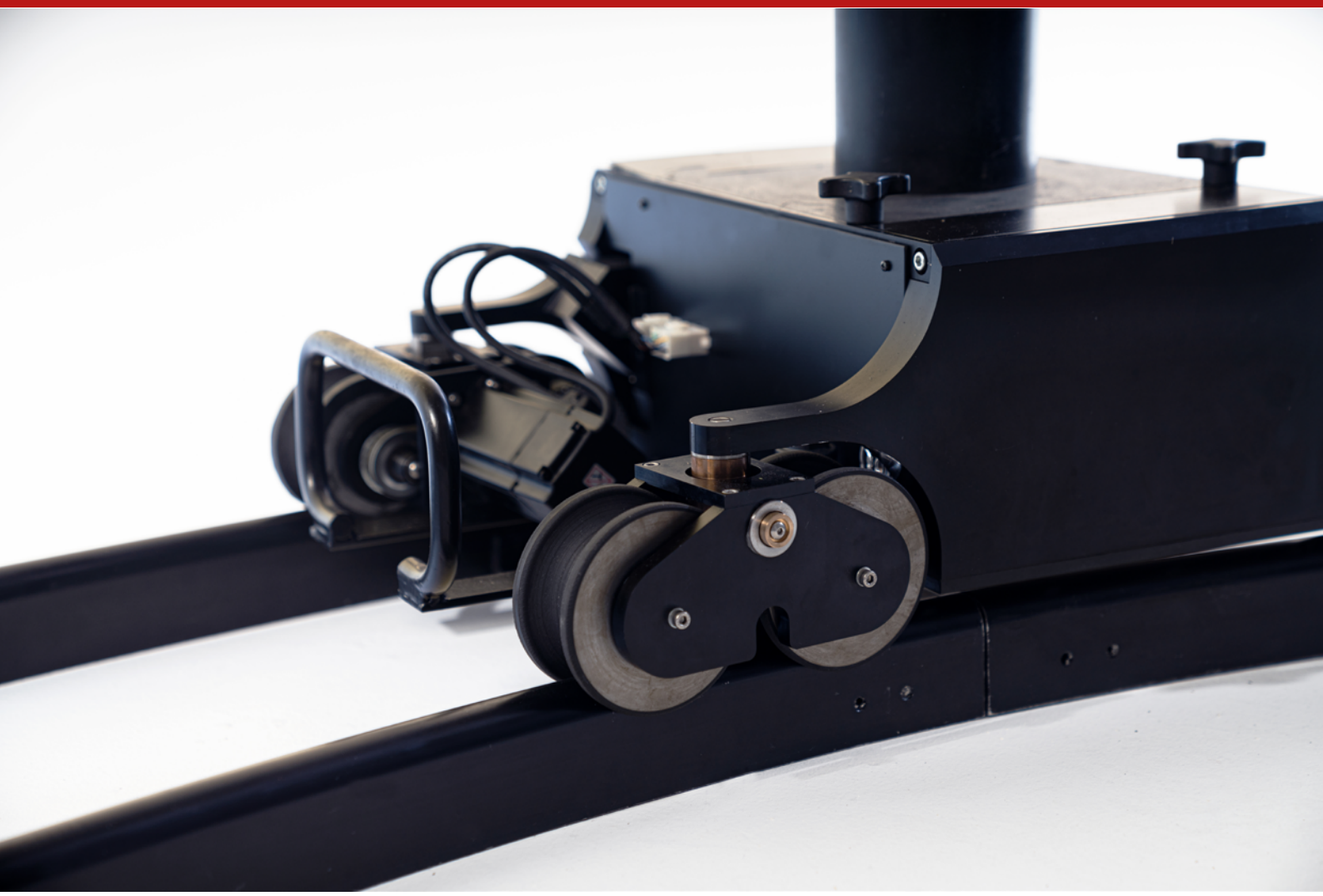






Technical specifications

Encoder	Incremental / Track Encoded
Resolution	1505 Counts/cm
Accuracy	0.000664 cm
Travel	14 Km
Max Velocity	0.88 m/s (Soft limited) Max theoretical 3.3 m/s
Torque	9,77 Nm
Remote control	IP with Web interface, SPIRIT Joystick, multiCAM Suite, UDP (SPIRIT protocol)
Genlock	Black Burst / Tri-Level
Compatibility	SPIRIT Lift
Tracking	Free-D (encoding data or auto-tracking with AR pack)
Network	3x RJ45 (Dolly+Lift+Head)
Power IN	24Vdc 8A
Power OUT	12Vdc 5A (XLR 4 points for camera) 24Vdc (XLR 3 points for HEAD) 220Vdc (PC)
Dimensions	730mm x 480MM x 210mm
Weight	35kg



VP ready

FreeD compatible

Like all robotics in the SPIRIT line, DOLLY can communicate its position in space in real-time via the FreeD protocol.

TRACKER

Because of the curve, spatial calibration is required. Thanks to the multiCAM TRACKER software, tracking data of devices are aggregated to communicate the coordinates of a global virtual camera under a single FreeD signal.

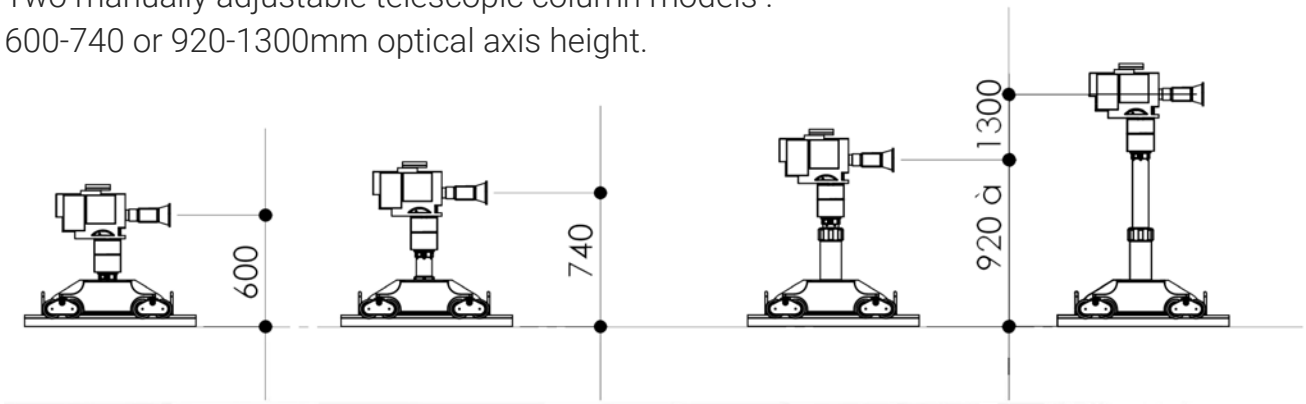
The use of curved rails requires the use of external tracking to calibrate the rail path. We provide an innovative process to perform this calibration, using a Vive tracker. Of course, any other tracking solution can also be used: Mo-Sys, Stype, NCam.

multiCAM designs and manufactures all the accessories that allow the DOLLY to adapt to different configurations. You therefore have a variety of options to set up a tracking shot while meeting the artistic requirements of the production and the constraints of the terrain.

TELESCOPIC COLUMNS

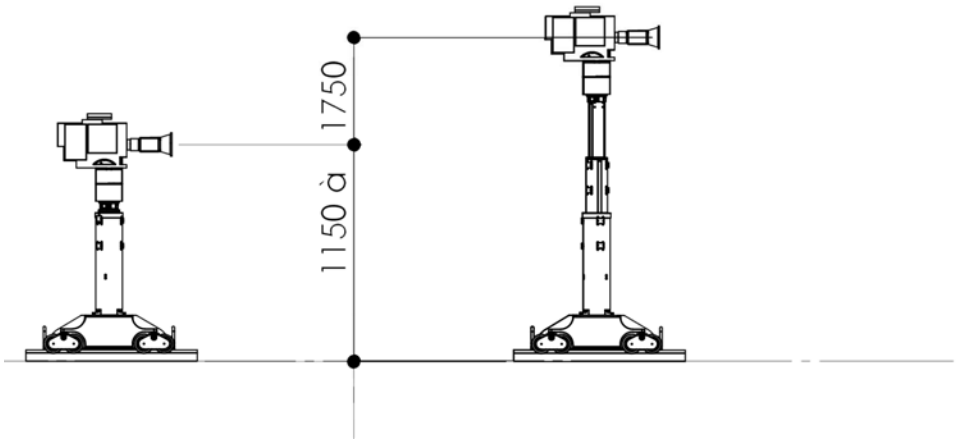
Fixed column

Two manually adjustable telescopic column models :
600-740 or 920-1300mm optical axis height.

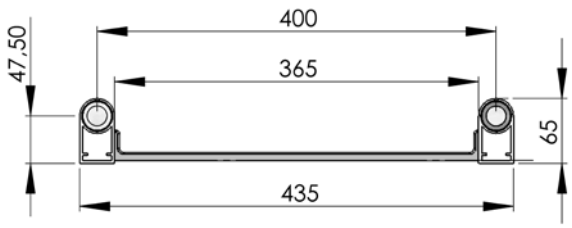


Motorized column

The use of the LIFT motorized telescopic column allows the height of the optical axis to be raised to 1.75m.



RAILS



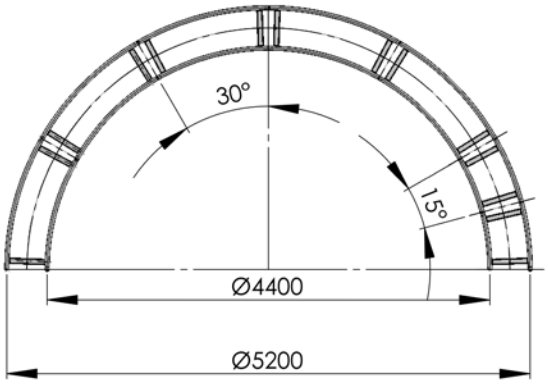
Straight sections

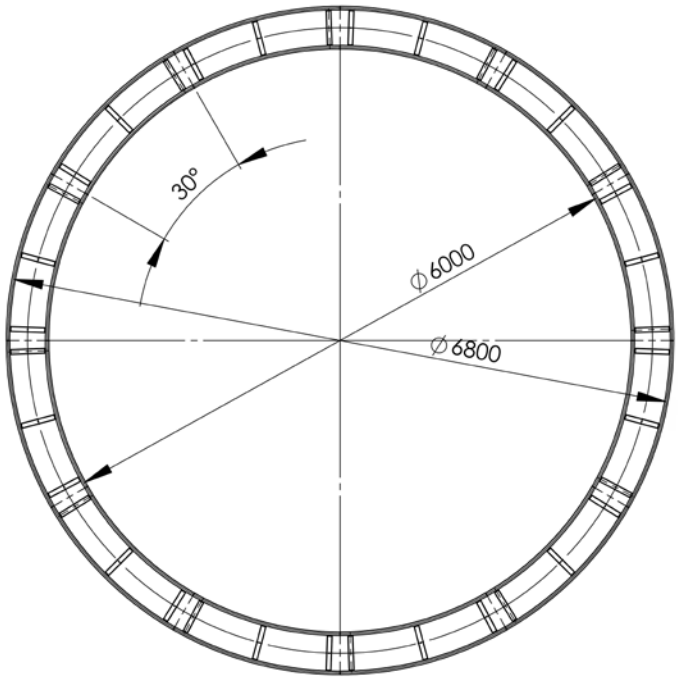
We can custom make any length, but usually we use two section lengths: 90cm and 1m80.

Curved sections

The sections exist with different curvatures (11.25 degrees, 15 degrees, 22.5 degrees, 30 degrees). This allows for the following configurations:

- 2,2 - 2,6m radius
- 3 - 3,4m radius
- 3,4 - 3,8m radius
- 5 - 5,4m radius





PILOT

With multiCAM PILOT solution, you benefit from an ergonomic and intuitive interface to control up to 6 robotics and program extremely precise motion sequences.

CONTROL PANEL

We have designed control surfaces that allow operators precision control along with unparalleled ergonomics. With an IP connection, the desk can control the trolley and also the column, the head, the zoom, and the optical focus.

Joystick

Control the robotic head including Zoom

12x buttons

Programmable backlit buttons (camera selection, preview, ...)

Directions of control

Adjust the direction of movements

Vitesse max.

Adjusts the maximum speed of Pan, Tilt, Lift, Slide

Focus

Precise focus adjustment

And since an operator has only two hands, pedals can be added. The assignment of controls can be fully customized in PILOT.

With the pan bar tripod option, the camera operator has the same feel as if they were actually behind the camera.