

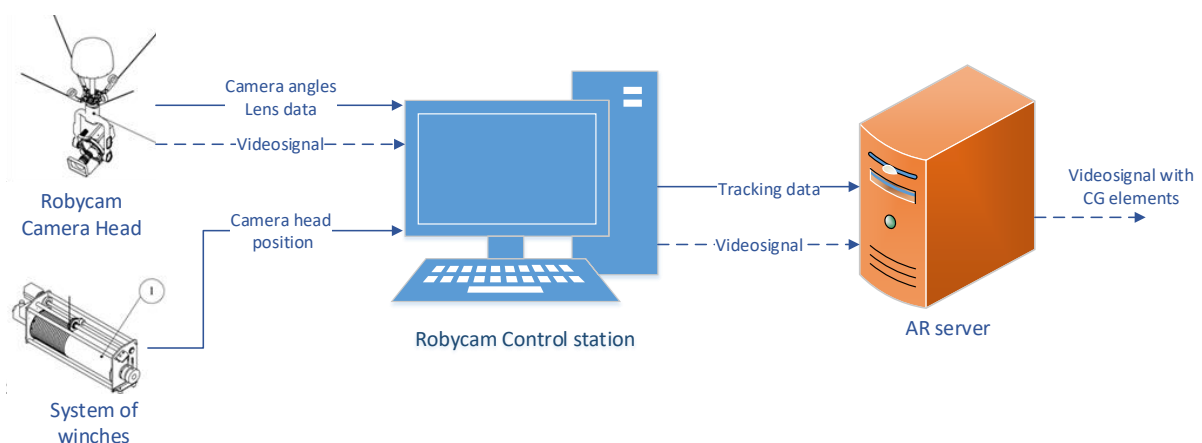
## ROBYCAM COMPASS

### Augmented Reality support for cable-suspended cameras

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.

Free movement of a camera is an exciting opportunity to astonish spectators with computer-graphics elements added to the video feed. The system processes data from multiple sensors and computes current position and orientation parameters of the camera. This data is sent directly to a graphics server, which does not require any special software or creation of special rigs.

#### Connection scheme



#### Technical specifications and features

- Tracking data protocol: **FreeD (UDP or Serial)**
- Tracking data parameters: camera position (X,Y,Z), camera orientation (Pan, Tilt, Roll), Zoom and Focus positions.
- AR vendor support: All major AR providers, including **Vizrt, Orad, Brainstorm and others**
- **No special software required**, the system outputs final computed values
- **Complete AR configuration** (axes offsets and orientation etc.) available at Robycam side
- Lens support: **Canon and Fujinon** motorized lenses
- Tracking delay: **2-5 frames**
- Supported frequencies: 50 and 59,94 Hz