CASE STUDY
# Seamlessly working with a VR system

**The Chinese Jiangsu Broadcasting Corporation (JSBC) searched for a solution to create the most exciting live broadcast of the 2013 New Year's Eve Gala.**

To create an unforgettable experience for the audience of the gala and to celebrate China's first aircraft carrier, the whole stage turned to a flight deck by using a VR system. JSBC had the intention to find a better device than crane and rail systems, which can work seamlessly with the VR system and can be quickly calibrated for VR system. Only one month before the festival took place, JSBC found Camerobot Systems, who delivered a wonderful solution.

Customer:
**Jiangsu Broadcasting Corporation China www.jstv.com**

**More case studies? Please visit www.camerobot.com**

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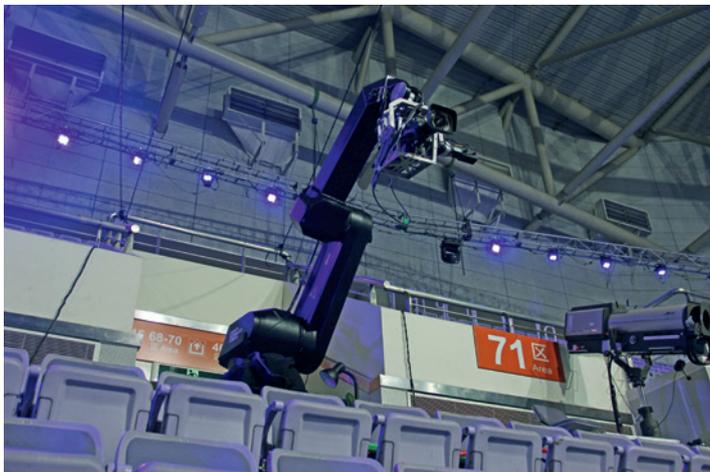
Camerobot

**Camerobot solution:**

## More exciting camera shots with visual effects

The use of robot arm makes the time-consuming camera re-calibration unnecessary. Camerobot has been cooperating with Vizrt for years, aimed at better user experience of augmented reality. In the music gala, the Camerobot system talks to the Vizrt system through Free-D Protocol. With the GPI Interface provided in the Camerobot system, camera moves can be triggered by the VR engine automatically. This makes the camera angle synchronized with the animation, and a wonderful point-of-view to the virtual world can be ensured.

The powerful, flexible and intuitive graphic user interface of Camerobot makes it quite easy for the camera man to get start with camera motion programming. Camera movements can be preprogrammed before the live broadcast, yet still can be quickly modified live on-line. Even while the robot is moving through the preprogrammed curve, the camera operator can still make corrections to the camera through joystick.

With Camerobot System, the camera operator can create more energetic and dynamic camera shots, providing the audiences with more fun, excitement and passion in the festival.

### Technical specifications

- Repeatability of 0.05 mm for positions and moves
- Small and flexible pedestal for the robot
- Using flight case for the equipment transportation
- Stage distance 70 metres
- Live camera control by camera operator using joystick
- Operating area 4 metres
- Full integration of remote control for the Fujinon lens on the camera
- Camera tracking with VR-Interface to Vizrt system



Full integration of remote control for lens on the camera.

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