



CASE STUDY

Exact repeatable movements

Camerobot, the most modern and effective solution in studio automation technology, will be used in the new Studio C at SWR in Stuttgart.

This new studio robotic technology has a particular advantage. Because of the quality of the robot mechanics and the highly accurate sensors (absolute encoders) it is possible to determine the exact pose (position and orientation) in 0.05 mm of the camera CCD. The Camerobot system is connected to the VIZRT VR-graphic system and sends the tracking data in real time to the VIZRT system.

An additional unique advantage of the robotic systems, is that exact repeatable movements are possible without any time-consuming re-calibration of the systems.

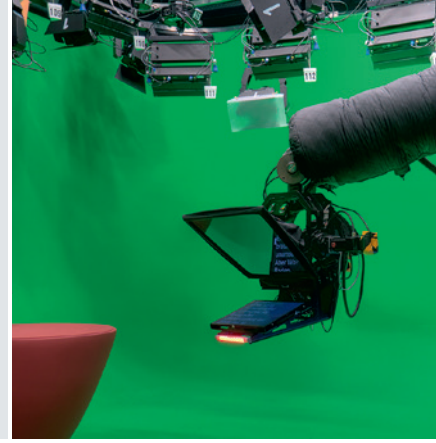
Customer:
SWR Südwestrundfunk
Stuttgart / Germany
www.swr.de

Installation: May 2011

More case studies? Please visit www.camerobot.com



Creative Robotic Motion



Camerobot solution:

Camerobot brings the Daily News a new look

Through the use of Camerobot system the Daily News show can be created with many moving camera settings. Due to the moving camera work, the studio of the Daily News looks very energetic and dynamic.

The new studio is fully automated. For the complete automation of the Camerobot system two systems are involved. The newsroom system OpenMedia from Annova and the newscast automation system from Aveco.

Camerobot system will inform OpenMedia via MOS protocol about shots and moves which are available in the Camerobot database. The operator selects or marks

the shots and moves in OpenMedia which should be used on air. OpenMedia will transfer this information to the automation, which will then trigger the Camerobot.

The manual control of the Camerobot system, for modifications and adjustment of shots and moves, will be made by the Vinten Radamec joystick control panel. In the studio the Camerobot is operating together with robotic pedestal from Vinten Radamec. To avoid collisions between these camera units a collision avoidance system is installed to overview the camera positions in the studio at all times.

The Camerobot system is equipped with a new innovative Teleprompter system. This Teleprompter system is specially designed to avoid vibrations during the camera movements.



Technical specifications

- Operating area 4 m
- Position repeatability 0.05 mm
- VR-Interface to VIZRT system
- Vinten Radamec HDVRC third party integration for manual control
- Canon lens interface (zoom and focus control)

New and innovative graphical user interface RoboKam Atelier:

- Shot storage of all axes in easy touch operation
- Creation of picture based running orders
- Unlimited storage of shots, pictures and moves
- Supports SD/SDI and HD video signals
- Automation interface to Aveco Automation
- News rooms system interface to OpenMedia
- Unique art work for move creation with unlimited setting of keyframes

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