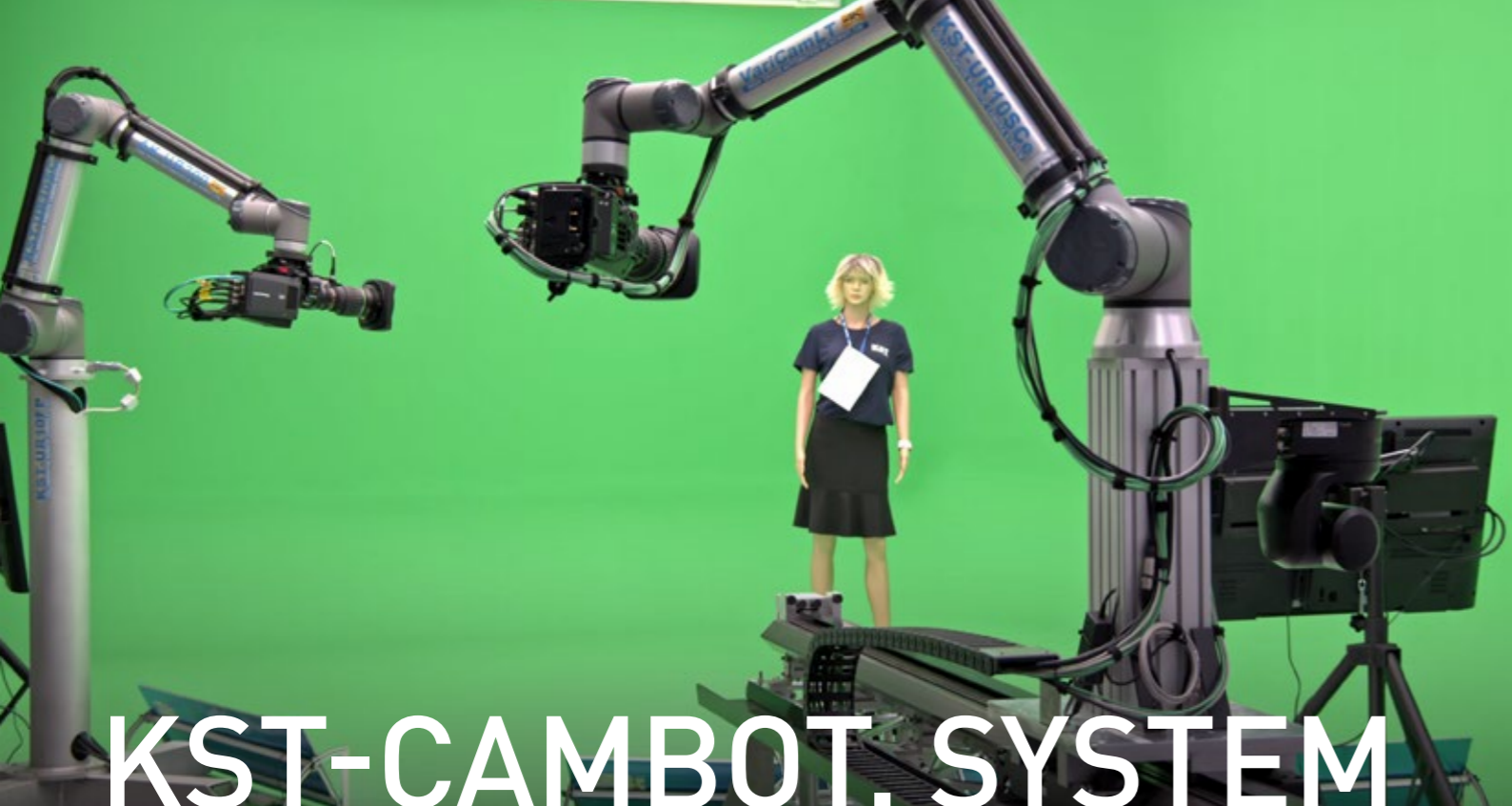


# TOTAL MOVEMENT COMPLETE CONTROL

PANASONIC ROBOTIC CAMERA SYSTEMS







# KST-CAMBOT SYSTEM

BY KST MOSCHKAU GmbH

Designed to automate, optimise and enhance your production workflows, KST-CamBot.system is a motion-controlled robotic camera system for TV studios.



Controlled from a central software interface, it enables highly accurate and dynamic camera movements where space is at a premium, and features a robotic arm that can be fully automated for repeatable trajectories.

The combination of KST-CamBot technology and Panasonic cameras establishes a 4K-ready robotic system that is ideal for news and sports studios, concerts, entertainment events, and even augmented and virtual reality applications.

- Motion-control robotic camera system for studio production automation
- Collaborative robotic arm for creating smooth, beauty shots
- Moves can be created with accuracy and repeatability along a timeline
- Centralized control interface, for all robotic systems in the studio (robotic arm, PTZs, pan/tilt systems) over IP
- Extensive range of interfaces with external systems, including VR/AR and talent-tracking environments
- Safe operation of multiple camera systems simultaneously



**CamBot.robot** is composed of all robotic systems in the studio, highlighting the KST-UR10 robotic arm and an appropriate Panasonic camera unit tailored to the application (AK-UB300, VariCam LT/35, AU-EVA1). Equipped with a host of safety features, this collaborative robotic arm can be used to extend the field of action without the need for further safety zones or restrictions. With a payload of 10Kg and a range of 1.2m, the arm can be installed in several ways (pedestal, dolly, ceiling, etc.).

**CamBot.control** is the central backbone technology, which is responsible for communication with the peripheral systems. This includes all robotic systems in the studio, and the interface with external systems, such as AR/VR, talent-tracking and studio automation systems. Other systems in the studio can be controlled from CamBot, such as lighting equipment, audio consoles and video switchers, providing a high degree of automation. Collision detection technology is supported to ensure safe and reliable moves.

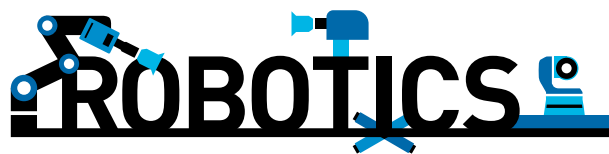
**CamBot.remote** provides hardware and software-based control for system operations, enabling live control of the camera systems and setting of complex automated movements. The intuitive interface guarantees safe and straightforward management of all function sequences, storing, tagging and categorizing every move or position. PTZF offsets can be entered to adjust the moves to each presenter's height. The GUI works in tandem with the remote hardware panel, which has two joysticks, a zoom whip and a large focus wheel for smooth and precise control of lens.

## ABOUT KST

KST Moschkau has grown to become a leading system integrator across Europe with, and has since used its knowledge and over 35 years of experience to grow into system development which has resulted in a new and extensive product portfolio in collaboration with Panasonic.

This includes the KST-CamBot.system, which has been designed to both simplify and automate production workflows, with its modular system allowing it to fit into constantly evolving production environments and to support variable applications.





# Panasonic

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