

ZANUS

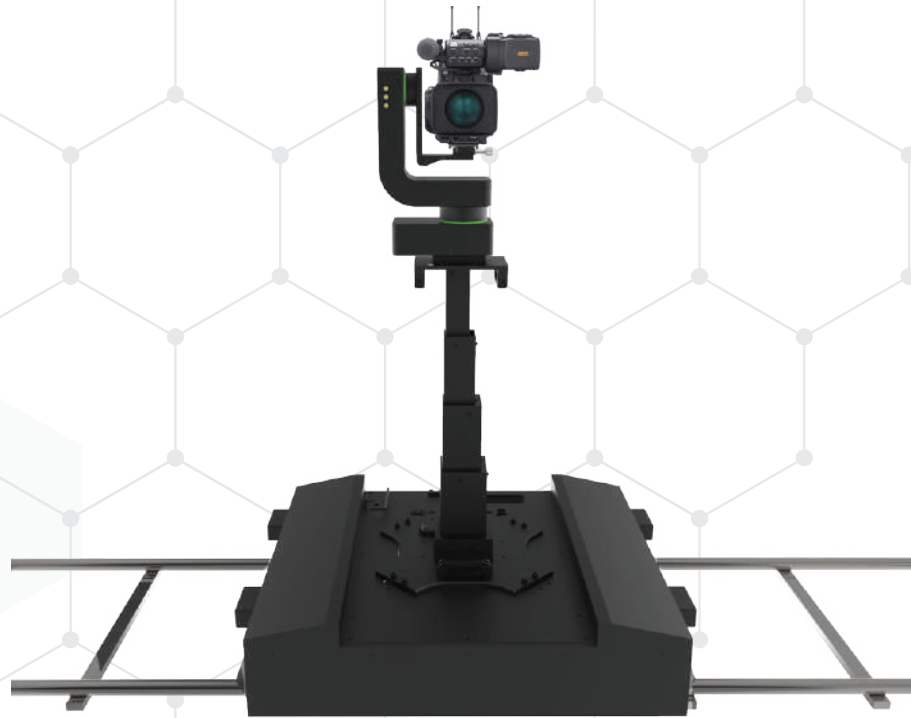
PRODUCTION ROBOTICS



Move
Robotic camera dolly system

Key advantages

- Flexible
- Wide speed ranges
- Advanced preset
- High accuracy



Flexibility and various modes of operation

Zanus robotic system for motion on rails is built with flexibility in mind.

The Move system can be combined with the Pauli robotic PT head directly mounted on the dolly for low point of view shots. Additionally, Pauli can be mounted on the dolly by using an adjustable manual lift that allows for fine manual positioning of the camera of up to 1.3m of height.

Moreover, the dolly can be combined with the Raise motorized lift and the robotic head for covering heights from 1.32 m to 1.82 m and remote actuation of the camera height.

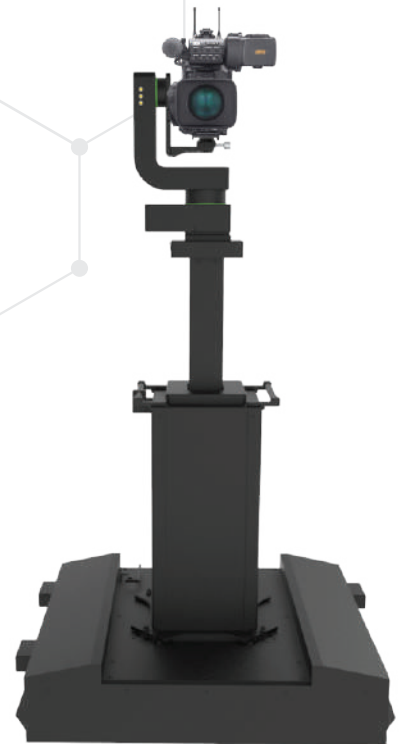
In all combinations a PTZ camera can also be used instead of a robotic head and regular camera.



Pauli robotic PT head
mounted on Move dolly



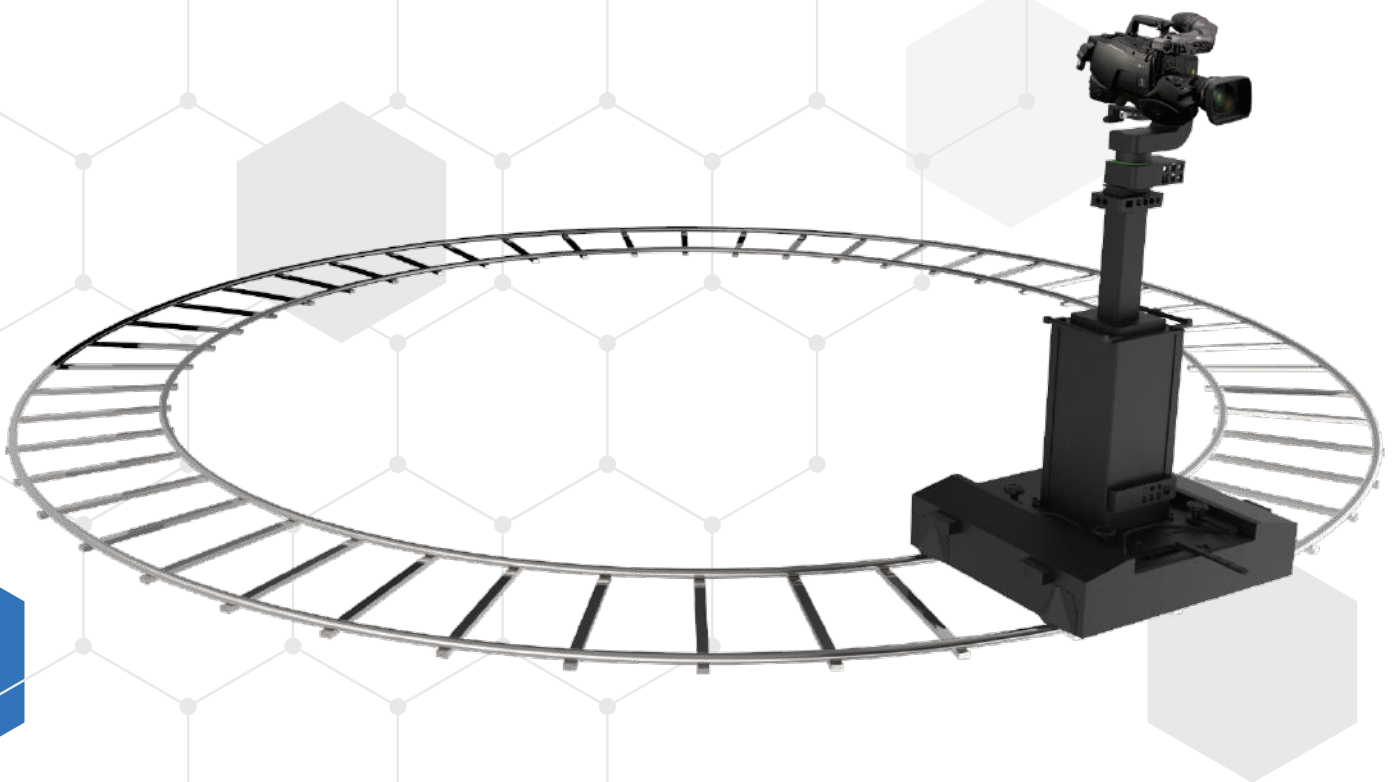
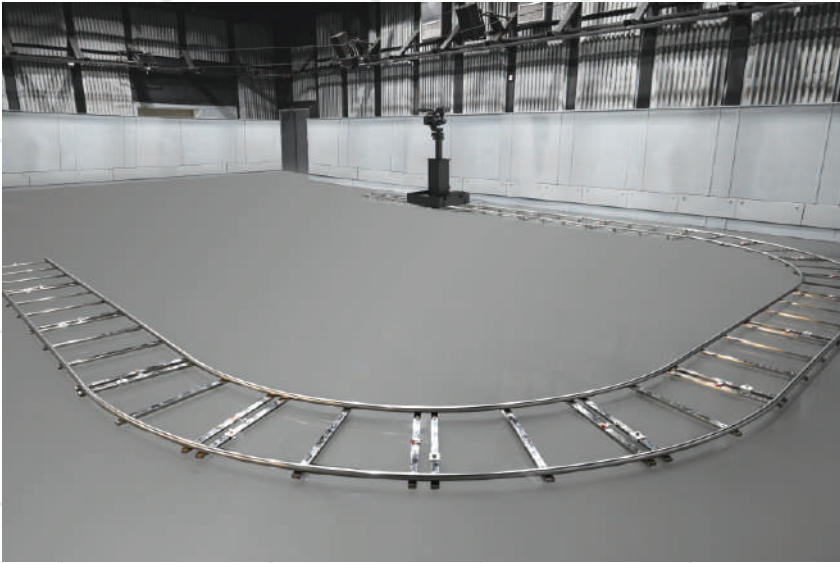
Manual lift and
the Pauli robotic PT head
mounted on Move dolly



Raise motorized lift and
the Pauli robotic PT head
mounted on Move dolly

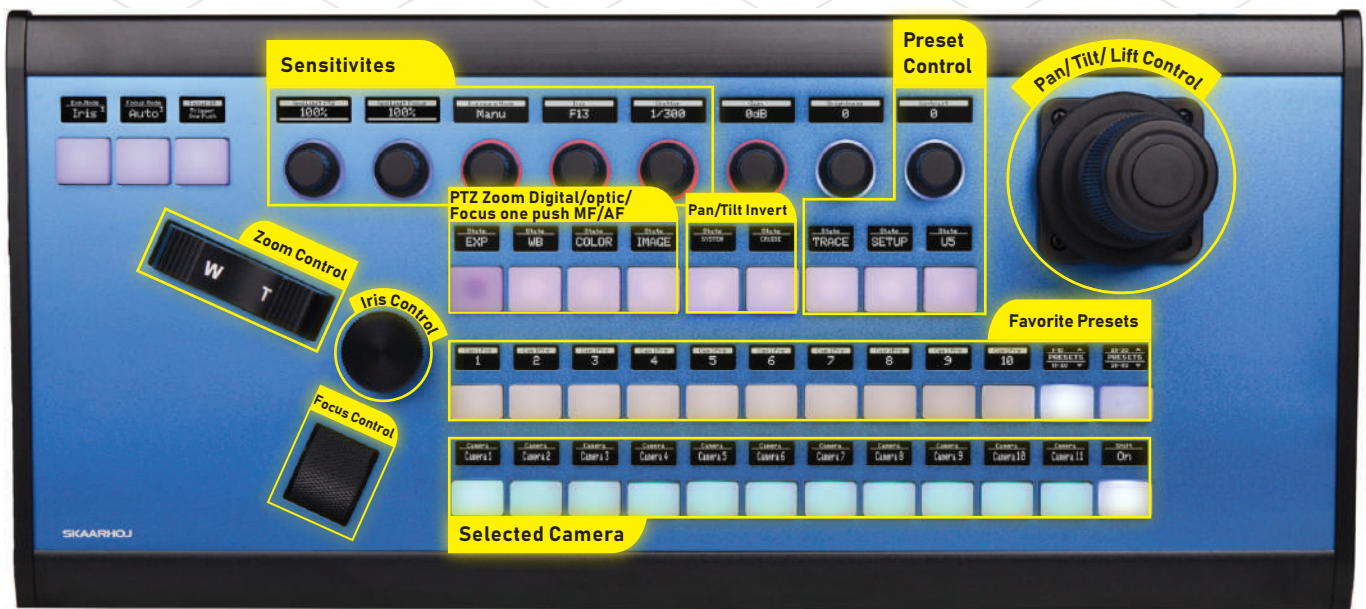
Moves on straight and curved rails

Moves on both straight and curved rails, with the possibility to combine the straight and curved rails to form complex shapes and motion profiles.
Can also move in a closed circle.



Easy setup and control

System setup is fast and easy. It allows for an arbitrary combination of straight and curved rails. Placement of track ending limits and the dolly on the track is straightforward. Additionally, control of the whole system is intuitive and easy with the Skaarhoj controller. It allows for the control of the dolly, motorized lift, PT head and lens. Controller can be used to set endless constant velocity motion of the dolly and manually control other axes. In this case, when it reaches the end of the rails, the dolly automatically starts motion in the other direction with the same velocity.



For all these controls the sensitivity of the joystick can easily be adjusted and the commanded speed for each axis can be modified.

Overall, one day of training is enough for an operator to start using the system in production.

Advanced presets

In addition to the direct control of the system axes, it is possible to save presets. System features advanced preset options allowing the user to select which axes to include in the preset. When the preset is executed, axes that are not included in the preset can be operated manually.

Presets can be executed in the play mode when the desired execution time for a preset is set or in the run mode, when the preset is executed with the highest possible speed.

System also gives a possibility to save and execute preset arrays – sequences of presets with execution times.

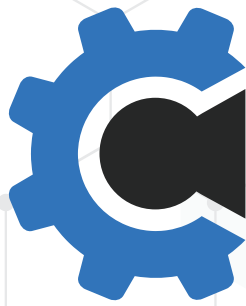
Possibility for extension and customization

It is possible to extend the solution to be battery powered and fully wireless. In addition, customer specific customizations are also possible based on the joint specifications with Zanus engineers



Move robotic rail dolly system	
Payload	Cameras up to 20 kg
Temperature operating range	-10° - 45°
Power supply	48V DC / 220V AC
Connectors	1 RS232 pass-through, 1 RS232 for serial interface
Cable management	Full cable integration into the body of the lift, Cable management for the dolly, Option for full wireless (without cables) operation
Control	Joystick control with advanced presets, Control application
Mounting flexibility	It is possible to mount camera directly on the dolly, to mount Pauli PT head on the dolly or to mount either mechanical or motorized lift on the dolly.
Protection class	IP52
Dolly	
Maximal acceleration	1m/s ²
Dolly speed	1mm/s - 3m/s (on straight track), 1m/s (on curved track)
Tracks	Stainless steel tracks straight and curved 1.5m long with integral leveling adjustment. Possibility to combine straight and curved tracks into complex shapes.
End limits	Limit switches and physical barriers that the operator can easily mount and adjust
Mechanical lift	
Minimal height from the ground to the camera mounting plate	600mm
Maximal height from the ground to the camera mounting plate	1300mm
Maximal travel	700mm
Motorized lift	
Minimal height from the ground to the camera mounting plate	1312mm
Maximal height from the ground to the camera mounting plate	1812mm
Maximal travel	500mm
Speed range	0.1 - 200mm/s
Maximal acceleration	100mm/s ²





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**Being so flexible, easy to use and affordable,
Move robotic camera dolly system is the ideal tool for your
future productions.**

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www.zanusrobotics.com

