ZANUS
PRODUCTION ROBOTICS

Up to 20kg payload

0.001–180°/s pan/tilt speed

Weights only 8.4kg

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Pauli PT Head

Lens control

PDMOVIE

Fujinon

Canon

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Supporting first-class productions

- Wide speed range with smooth camera motion for a wide range of different productions

- Advanced communication interface with several controlling options

- Advanced preset options

- Easy control of multiple heads from a single control point

Key features

- ✔ Multiple ways of control
- ✔ Cost-effective

- ✔ Wide speed range
- ✔ Up to 100 advanced presets

- ✔ Very quiet
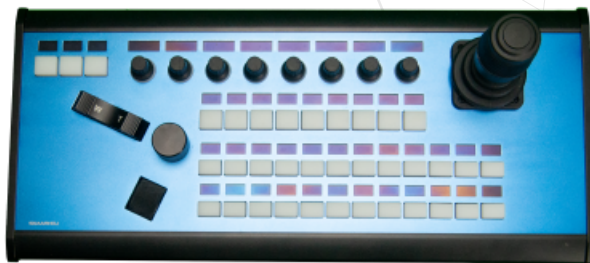- ✔ Lightweight modern L-shape design

Wide speed range with smooth camera motion and possibility to adjust

Pauli Head has tight speed control for both pan and tilt axes in the range from $0.001°/s$ (4 days for a full rotation) up to $180°/s$ (2 seconds for a full rotation). Limits on acceleration and jerk can be adjusted in order to choose between a very smooth or aggressive head motion on an ultra-fine scale. Pauli can be fully exploited in a great variety of productions, ranging from a wide-angle-sports shooting with fast movements to ultra-fine and slow motion with a large telephoto lens.

Multiple control interfaces

Pauli can be controlled in several ways, which makes it very easy to use. Control app is implemented on the head and it can be opened from any computer, tablet, smartphone, or similar device without the need to install any additional software. There is an option of joystick control with a great variety of different joysticks (any joystick with VISCA over IP, Skaarhoj configurable joystick, and more). Pauli is built for automation and its advanced communication protocol allows easy integration into automatic production workflows.

Advanced preset options

Run (execute preset with maximal allowed speed) and play (execute preset in a given time) options for up to 100 presets are available. Moreover, an array of presets with arrival times can be automatically executed. There is full flexibility in combining presets and manual control - simultaneous execution of presets in some axes and manual control in others. Activating a new preset while the previous one is executing, with automatic recalculation for a smooth transition, is an easy task for Pauli. An additional option is to change the preset arrival time while the preset is being executed.

Easy control of multiple heads

One of Pauli's main advantages is that a single operator can control multiple heads from a unique control point. With an Ethernet switch inside the head and two connectors in the base, it is easy to daisy chain multiple Pauli heads.

There is an additional Ethernet connector for the camera that provides even more possibility for controlling the overall production process.

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Additional features

Various lens control options with Fujinon and Canon control interfaces, interface for external follow focus motors, as well as LANC interface, are present on the head.

Considerable payload of 20kg with the head weight of only 8.4kg, enables mounting of large and heavy cameras even with a teleprompter, while allowing easy transport of the head.

Pauli makes cabling easy with 2 SDI, Ethernet and camera power cables pass through the pan axes. In addition, AC power supply with locking connector makes powering the head easier and safer.

Pauli supports easy and adaptable mounting, with the possibility for reverse and 90° mounting.

Quiet operation at 40 dB is offering a very comfortable surrounding for any kind of event.

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With zero backlash, functionality and performance same or better than the premium solutions in the industry, Pauli manages to hold a lower price. When it comes to the looks, Pauli dazzles with its lightweight, compact and modern L-shape design.
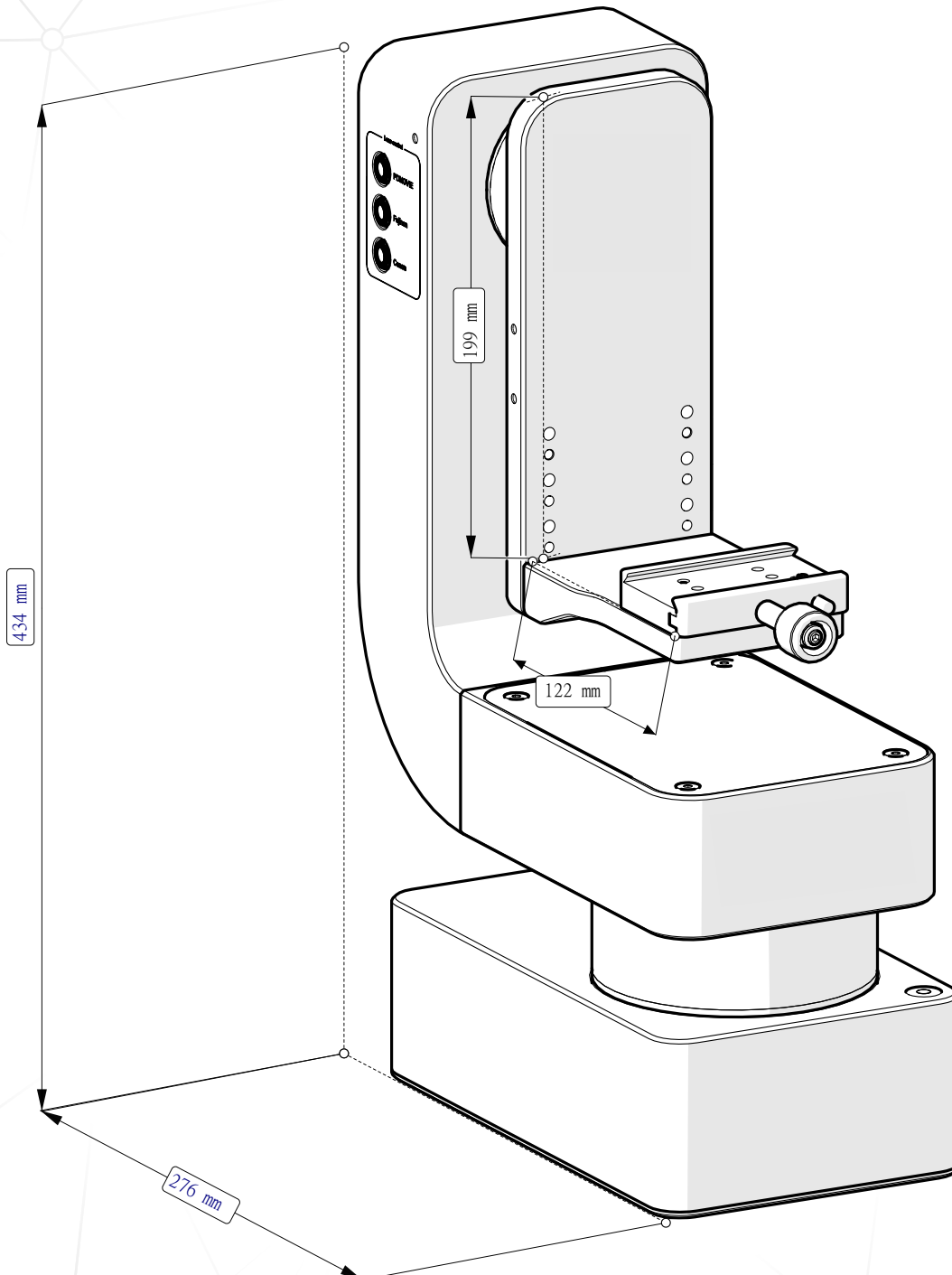
Pauli specifications

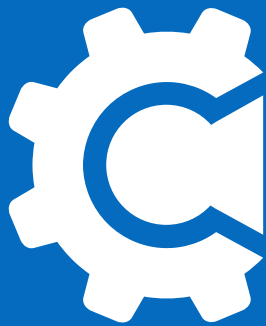|	
Camera payload	20kg
Weight	8.4kg
Dimensions	434x276x144mm
Pan angle	±175°
Tilt angle	±180°
Pan speed	0.001-180°/s
Tilt speed	0.001-180°/s
Acceleration	90°/s
Presets	Preset play/run, preset array, maximum 100 points, preset in some axes and manual control in others possible
Temperature operating range	-10° to 45°
Power requirements	100-240VAC
Connectors (audio, video)	2 SDI co-ax pass-through
Joystick	Any joystick with VISCA over IP; Skaarhoj configurable Joystick
Connection	IP Ethernet
Noise level	40 dB
Communication connectors	Ethernet with Ethernet switch in the head - 2 connectors in the base and 1 for the camera, all with locking mechanism
Power output connectors	12VDC, 60W D-tap and XLR
Zoom, Focus, Iris control	Interface for Canon and Fujinon lenses, interface for PD movie external lens motors; LANC & Panasonic analog
Mounting	Standard tripod mount, reverse mount possible, 90° wall-mount with adapter possible
Protection class	IP52
Shot Recall Repeatability	±0.025°

Contact

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Being so precise, easy to control, quiet, and affordable,
Pauli is the ideal partner for your future productions.