GEUTEBRÜCK

ARGUS
High-Speed Pan/Tilt Head System

High-precision pan/tilt head made of V4A, extremely fast positioning, for professional use also under roughest weather and environmental conditions. The quick-mounting flange allows to install the weather protection housing type ARGUS-WPH in a very easy and service-friendly way (one person only). Mounting base with total covered cable gland type ARGUS-Base available. Dynamics and drive technology of this pan/tilt head set standards with regards to the high-quality and maintenance-free components used. The modular design with two different sizes of weatherproofed housings allows to use several remote-controllable cameras as well as several high-speed zoom lenses with a focal length of up to 240 mm. Unerring positioning even with largest focal lengths together with an extremely slow system movement and the proportional speed associated with the zoom factor of the lens allows completely smooth and reliable supervision. The integrated position hold technology makes sure that the picture coordinates are kept precisely in position even under external influences. All internal parameters of the pan/tilt system can be fetched from host which allows operations in very complex scenarios.

- High-speed pan/tilt system made of V4A stainless steel, absolut corrosion free

- Very precise and smooth slow speed operation

- Endless rotation without time limit

- Video- (coaxial) and twisted pair output (both galvanically isolated)

- Position repeatability < +/- 0,01°

- Position hold functionality for balancing external influences

- Quick-mounting flange for weatherproofed housing

- High-precision maintenance-free drive technology (MIL-standard)

- Upright and hanging installation

- Fully integrated into the GEUTEBRÜCK system architectures

Technical data

High-speed pan/tilt head unit: ARGUS-PT-Head/230VAC, ARGUS-PT-Head/110VAC	
Video outputs (via BNC and system plug)	1 x Coaxial, 1 x Twisted pair (both galavanically isolated)
Contact input (via system plug)	1 x Contact input (switching to ground)
Max. pan/tilt speed	200°/s
Min. pan/tilt speed (very slow run)	approx. 0,01°/s, control via MBeg/GCT-LAN
Max. angular acceleration a: time needed for positioning max. 90° b: time needed for positioning max.180°	600°/s² max. 0,75 s max. 1,2 s
Position repeat accuracy	< +/- 0,01°
Max. pan angle	360°endless rotation
Max. tilt angle	+/- 90°
Programmable fixed positions	255
Auto flip	adjustable
Zero calibration	automatic
Peak torque	> 10 Nm
Resolution per rotation	460800 steps
Infinitely variable speed	Yes
Electronic position-hold technology	Yes
Endless rotation without time limit	Yes
Max. acceleration	Adjustable via software settings
Max. speed	Adjustable via software settings
Automatic drive to home position after a pre-set time period	adjustable
Hanging and standing installation	jes
Running direction (Joystick MBeg/GCT-LAN)	Adjustable via software settings
Total convered cable gland	Yes
Integrated control receiver	Yes
Interface	KDec protocol (GEUTEBRÜCK standard)
Dimensions (tip cylinder)	H = 415 mm; Ø =154,5 mm
Material	Stainless steel V4A bruched, material no. 1.4571
Operating temperature	- 40°C to + 55°C (without camera) lower temperature ranges on request
Operating voltage	230 V_{AC} (0.02500) / 110 V_{AC} (0.02510)
Power consumption	max. 300 VA
Protection class	IP 66
Weight (with mains unit)	approx. 12 kg
Load	max. 30 kg

Camera weather protection housing in 2 sizes: ARGUS-WPH/S, ARGUS-WPH/L	
Size 1 (WPH/S) corpus Sun protection	L = 410 mm, Ø = 140 mm L = 545 mm
Size 2 (WPH/L) corpus Sun protection	L = 480 mm, Ø = 168 mm L = 630 mm
Integrated lens controller - automatic position potentiometer test - automatic identification of standard and high-speed lenses	Focus/Zoom polarities, stopping distance Yes
Integrated camera power supply	24 V_{AC} (the power supply input of the camera must be decoupled galvanically from the mass)
Manual iris control	For voltage controlled iris and motor iris (Pentax lenses without and with AD converter)
Control outputs	3 aux relais, 1 transistor (open collector) (each with 15 different functionalities with Adjustable time limits)
Alarm trigger	4 alarm trigger modes
Self-cleaning front glass	Photocatalytic (hydrophilic coating)
Material	Stainless steel V4A brushed, material no. 1.4571

Type	Order No.
ARGUS-PT-Head/230VAC	0.02500
ARGUS-PT-Head/110VAC	0.02510
ARGUS-WPH/S (weatherproof housing, small)	1.02510
ARGUS-WPH/L(weatherproof housing, large)	1.02500
ARGUS-Base(mounting base for ARGUS-PT-Head made of V4A)	5.26011

Technical alterations reserved