

ARGUS Dual-System

Multifunctional high-speed pan/tilt head system with combined video and thermal imaging camera unit



Product information

High-precision, fast positioning pan/tilt head made of V4A for professional use, even under the toughest weather and environmental conditions. Equipped with a video camera with a motor zoom lens as well as a thermal imaging camera, the ARGUS dual system can be used in the most difficult of monitoring tasks, regardless of the weather conditions. With remote switching between standard video imaging and thermal imaging, you can handle any situation, day or night. Using the highest quality, maintenance-free components, this pan/tilt head sets new standards in speed and drive technology. Exact positioning, even for long focal lengths up to 320 mm, combined with extremely slow camera guidance makes possible absolutely jolt-free and reliable monitoring of the situation.

- | High-speed pan/tilt head system made of V4A stainless steel, absolutely corrosion-proof
- | High-precision, jolt-free minimal speed (creep speed)
- | Service-friendly modular system with fast mounting flange for weather-proof housing
- | Remote switching between thermal imaging camera and camera with motor zoom lens possible
- | Option for individual combination of various camera components, including motor zoom lens with focal lengths up to 320 mm
- | Type GTIC thermal imaging cameras with focal lengths from 19 to 100 mm with high and normal resolution can be used
- | Monitoring of large distances under the toughest environmental conditions, including complete darkness, fog and smoke
- | High-precision service-free drive technology (MIL standard)

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Competence in Video Security

Technical data

Pan/Tilt unit	Available in 2 versions: ARGUS-PT-Head/230VAC, ARGUS-PT-Head/110VAC
Video outputs (via BNC or system connector)	1 x (asymmetrically) coaxial, 1 x (symmetrical) twisted pair (both galvanically decoupled)
Contact input (via system connector)	1 x contact input (switching to ground potential)
Max. pan/tilt speed	200°/s
Min. pan/tilt speed (creep speed)	Approx. 0.01°/s, control via MBeg/GCT-3X-LAN
Max. angular acceleration	600°/s ²
a: time needed for positioning max. 90°	Max. 0.75 s
b: time needed for positioning 0° - 180°	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	On/Off
Hanging and standing installation	Yes
Running direction (Joystick MBeg/GCT-LAN)	Adjustable via software settings
Total covered cable gland	Yes
Integrated control receiver	Yes
Interface	KDec protocol (GEUTEBRÜCK standard), Pelco D protocol
Dimensions (Main cylindric head)	H = 415 mm; Ø = 154.5 mm
Material	Brushed stainless steel V4A (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
Payload	Max. 30 kg
Weatherproof housing	Available in 2 dimensions: ARGUS-WPH/S, ARGUS-WPH/L, ARGUS-WPH/GTIC
Dimensions:	
Size 1 (WPH/S and WPH/GTIC) corpus	L = 410 mm, Ø = 140 mm
Sunshield	L = 545 mm
Dimensions:	
Size 2 (WPH/L) corpus	L = 480 mm, Ø = 168 mm
Sunshield	L = 630 mm
Integrated lens controller - WPH/S, WPH/L	
- Automatic position potentiometer test	Focus/Zoom -> Polarities, Braking distances
- Automatic identification of standard and high-speed lenses	Yes
Integrated camera power supply	24 VAC (The power supply input of the camera must be galvanically decoupled from ground potential)
Power supply thermal imaging - WPH/GTIC	12 VDC via integrated transformer
Manual iris control - WPH/S, WPH/L	For voltage controlled and motorized iris (Lenses without and with AD converter)
Control outputs - WPH/S, WPH/L	3 aux relays, 1 transistor (open collector) (Each with 15 different functionalities with adjustable time frames)
Alarm trigger - WPH/S, WPH/L	4 alarm trigger modes
Self-cleaning front glass - WPH/S, WPH/L	Photocatalytic (hydrophilic coating)
Front glass - WPH/GTIC	Acrylic with flush mounted germanium glass
Material	Brushed stainless steel V4A (Material No. 1.4571, X6CrNiMoTi-Steel)
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-WPH/GTIC/D50 (Weatherproof housing for the thermal imaging camera series GTIC up to 50 mm focal length)	1.02514
ARGUS-WPH/GTIC/D70 (Weatherproof housing for the thermal imaging camera series GTIC from 100 mm focal length)	1.02515
ARGUS-Base (mounting base for ARGUS-PT-Head made of V4A)	5.26011
Optional Accessories	ARGUS-IR-LED/25° (Infrared beam) (1.02600) ARGUS-IR-LED/10° (Infrared beam) (1.02601) ARGUS-IR-LED/10°/DS (Infrared beam) (1.02602)

Technical alterations reserved

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