

IP-pan/tilt head made of stainless steel

PLATON® NEO



Funkwerk is pleased to offer the Platon® NEO, a premium class pan/tilt head. The Platon® NEO is the ideal pan/tilt head for traffic solutions or surveillance of large areas in extreme weather conditions due to its high precision engineering and large selection of accessories like differently sized enclosures or screen wipers.

HIGHLIGHTS

- » Fully rotatable IP-pan/tilt head for optimal integration in video management and fine-tuned detection systems
- » Internal architecture allows a large selection of compatible cameras (analogue, IP, HD-SDI) and large focal length lenses
- » Suited for up to two camera enclosures or spotlights (subsequent expansion possible)
- » Ideally suited for operation in extreme weather conditions due to double-walled stainless steel enclosure
- » Optimal camera control thanks to zoomdependent pan/tilt rotation speeds
- » Innovative screen wiper design for clear and scratchless views and reduced maintenance costs
- » Universal mounting options (suspended or standing)
- » Smooth replacement and easy expansion of existing Platon® systems

TECHNICAL DATA

GENERAL DATA (PAN/TILT HEAD)	PLATON® NEO (1 ENCLOSURE)	PLATON® NEO 2WA (2 ENCLOSURES)	
Material:	stainless steel 1.4571 / blasted		
Dimensions	height approx. 478mm, diameter approx. 160mm		
Ultimate load:	approx. 30 kg	approx. 2 x 20 kg	
Weight (without enclosure):	approx. 15,4 kg		
Mounting:	suspended or standing		
Attachable to:	pole top / pole-side / wall / wall corner / ceiling / bridge / tunnel ceiling		
Protection category:	IP 66		
Temperature range:	-30 °C up to +55 °C		
Camera protective enclosure:	double-walled		
Suitable camera enclosures:	HSM 400 NEO, HSM 560 NEO, HSL 640 NEO	HSM 400 NEO, HSM 560 NEO	
KINEMATIC DATA	PLATON® NEO (1 ENCLOSURE)	PLATON® NEO 2WA (2 ENCLOSURES)	
Speed [°/s]			
Pan / tilt:	0,001 – 200 / 0,001 – 100	0,001 – 180 / 0,001 – 90	
Acceleration [°/s²]			
Pan / tilt:	100 – 800 / 100 – 800	100 – 600 / 100 – 600	
Rotation angle			
Pan:	unlimited (continuous panning without end position limit)		
Tilt:	± 90° with flip function		
Manual control			
Speed levels:	128		
Control characteristics:	4 different speed scales from linear to logarithmic		
Max./min. speed:	independent configuration for P/T		
Positioning			
Position resolution SW regulated:	Pan ± 0,00433°, Tilt ± 0,00234°		
Fixed positions:	256 (pan-, tilt-, zoom- und focus positions)		
Special features:	variable speed profile (reduction of pole oscillation), linear motion		
Vector control			
Positioning, control, response:	16 Bit (P, T, Z, F)		
Special features:	linear motion / variable speed profiles (soft focus) / zoom and focus tracing regulated by the width of the visual field and object distance		
Tours			
Number:	4 separate tours (trajectories P/T/Z/F) without time limit		
INTERFACES			
Video:	Ethernet, FBAS / optional HD-SDI (upon request Y/C / RGB / YUV / twisted pair)		
Data:	Ethernet 10/100 Base-T / RS232/RS422/RS485 bidirectional, communication parameters configurable		
I/O-Data:	14 configurable galvanically isolated in- /outputs		
Power supply ext.:	12 V DC / 1 A for external sensors		
Power supply DC:	12 V DC / 3 A for camera and optional applications		
Camera parameterisation:	RS232 / RS422 / RS485 / IP		
POWER SPECIFICATIONS			
Power consumption:	max. 200 W		
Power supply:	230 V AC ± 10 % 50/60 Hz / 115 V AC ± 10 % 50/60 Hz		
Protection class:	Class 2 with functional earthing		
Overvoltage category:	Category 2		
CAMERA ENCLOSURES	HSM 400 NEO with front module	HSM 560 NEO with front module	HSL 640 NEO with front module
Dimensions (LxWxH in mm):	502 x 172 x 187	662 x 172 x 187	740 x 222 x 191
Weight:	approx. 10,5 kg	approx. 12,8 kg	approx. 16,8 kg
SCREEN WIPER			
Wiper function principle:	circulating		
Number of wipe cycles:	configurable		
Wiper activation:	manual or automatic		
Cleaning procedure:	fully automatic		
Stand-by position wiper blade:	contact-free under cover plate, weather and freeze proof		
Material / Colour:	stainless steel 1.4571, blasted		
Cobweb remover:	2 brushes, simultaneous with screen wiper		