

PT-HH/HS

Heavy Duty Pan Tilt Unit



PT-HH/HS Series

Is a heavy duty and high performance 2 axis pan tilt unit for demanding surveillance solutions. Designed for TCIDB series includes 4 different models designed to manage different loads, with top or side mounting and providing high torque.

The outstanding precision and accuracy together with the high angle speed makes PT-HH/HS the perfect PTU in long range security projects or even in marine and vehicle installations. Designed to provide heavy payloads control 24/7.

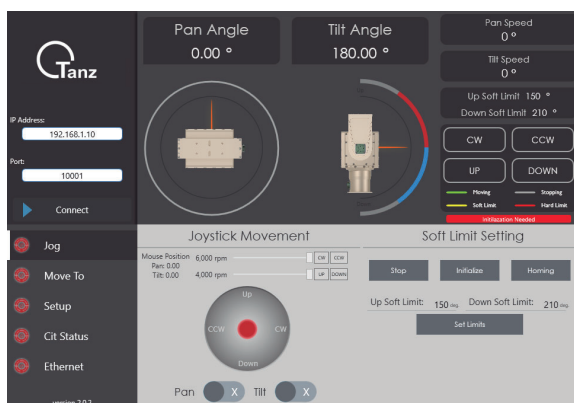
Model	PT-HH/HS A	PT-HH/HS B	PT-HH/HS C	PT-HH/HS D
Max. payload	45Kg.	45Kg.	45Kg.	60Kg.
Torque at tilt axis	70Nm.	70Nm.	70Nm.	90Nm.
Peak power demand	100W.	140W.	175W.	250W.
Standby power demand	2W.	2W.	15W.	2W.
Heater power	40W.	40W.	40W.	40W.
Working voltage range*	18-32v.	18-32v.	44-52v.	44-52v.
Azimuth travel*	n×360° (Continuous rotation)	n×360° (Continuous rotation)	n×360° (Continuous rotation)	n×360° (Continuous rotation)
Azimuth Max. speed	48°/s.	60°/s.	120°/s.	120°/s.
Azimuth minimum speed	0.005°/s.	0.005°/s.	0.005°/s.	0.005°/s.
Tilt travel*	+90°/-90°	+90°/-90°	+90°/-90°	+90°/-90°
Tilt Max. speed	18°/s.	24°/s.	24°/s.	40°/s.
Tilt minimum speed	0.005°/s.	0.005°/s.	0.005°/s.	0.005°/s.
Position accuracy	<1mrad.	<1mrad.	<1mrad.	<1mrad.
Position repeatability	0.02°	0.02°	0.02°	0.02°
Backlash	No	No	No	No
Rotation software limits	Available	Available	Available	Available
Rotation hardware limits	In tilt axis	In tilt axis	In tilt axis	In tilt axis
Encoder type	Magnetic incremental	Magnetic incremental	Magnetic incremental	Magnetic incremental
Encoder position resolution	0.0048°	0.0048°	0.0048°	0.0048°
Drive system (pan/tilt)	Stepper motor	Stepper motor	Stepper motor/BLDC	BLDC
Brake	Magnetic brake	Magnetic brake	Magnetic brake	Magnetic brake
Serial communication	RS485	RS485	RS485	RS485
Serial baud-rate	2.400-115.200	2.400-115.200	2.400-115.200	2.400-115.200
Serial protocol	TZ protocol and Pelco D	TZ protocol and Pelco D	TZ protocol and Pelco D	TZ protocol and Pelco D
Network	Giga LAN	Giga LAN	Giga LAN	Giga LAN
Control interface	Yes	Yes	Yes	Yes

External finishes	Powder coating	Powder coating	Powder coating	Powder coating
Production material	Aluminum 6060 / SUS316	Aluminum 6060 / SUS316	Aluminum 6060 / SUS316	Aluminum 6060 / SUS316
Voltage/current monitoring	Yes, through software	Yes, through software	Yes, through software	Yes, through software
System temp. monitoring	Yes, through software	Yes, through software	Yes, through software	Yes, through software
Working temperature	-32/55°C.	-32/55°C.	-32/55°C.	-32/55°C.
Connectors	Military	Military	Military	Military
Weight	18Kg.	18Kg.	18Kg.	18Kg.
Dimensions	335.6x374.4x222mm.	335.6x374.4x222mm.	335.6x374.4x222mm.	335.6x374.4x222mm.
Waterproof	IP66 or IP67*	IP66 or IP67*	IP66 or IP67*	IP66 or IP67*
Options	Various working voltages Sand, Gray, Green, Black color Marine coating Gyro-stabilization (PT-HS Series)			
Electromagnetic compatibility	MIL-STD-461G (CE102, CS101, CS114, CS115, CS116, CS118, RE102 and RS103)			
Min. operating / storage temperature	MIL-STD-810G, Method 502.6 Procedure II and Procedure I			
Max. operating / storage temperature	MIL-STD-810G, Method 501.6 Procedure II and Procedure I			
Thermal shock	MIL-STD 810G, Method 503.6 Procedure I-C			
Moisture resistance	MIL-STD 810G, Method 507.6 Procedure II			
Rain resistance	MIL-STD-810G, Method 506.6 Procedure I			
Dust and sand resistance	MIL-STD-810G, Method 510.6 Procedure I and Procedure II			
Vibration resistance	MIL-STD-810G, Method 514.7 Procedure I			
Shock resistance	MIL-STD-810G, Method 516.6 Procedure IV			
Icing and freezing rain resistance	MIL-STD-810G, Method 521.3 Procedure I			

* Tanz Security reserves the right to change products or specifications without notice.

* IP67 nitrogen pressurized optional

* Tanz Security brand and logo are registered trade marks.



Control and management interface.