

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 E
Max. payload	65Kg.
Torque at tilt axis	100Nm.
Peak power demand	200W.
Standby power demand	28W.
Heater power	60W.
Working voltage range*	44-52v.
Azimuth travel*	nx360°(Continuous rotation)
Azimuth Max. speed	120°/s.
Azimuth mininum speed	0.001°/s.
Tilt travel*	+90°/-90°*
Tilt Max. speed	60°/s.
Tilt mininum speed	0.001°/s.
Position accuracy	<1mrad.
Position repeatability	0.02°
Backlash	No
Rotation software limits	Available
Rotation hardware limits	In tilt axis
Encoder type	Absolute encoder 18bit
Encoder position resolution	0.005°
Drive system (pan/tilt)	BLDC motor
Brake	Magnetic brake
Serial communication	RS485
Serial baud-rate	2.400-115.200
Serial protocol	TZ protocol and Pelco D
Network	Giga LAN
Control interface	Yes

External finishes	Powder coating
Production material	Aluminum 6060 / SUS316
Voltage/current monitoring	Yes, through software
System temp. monitoring	Yes, through software
Working temperature	-32/55°C.
Connectors	Military
Weight	18.5Kg.
Dimensions	308.2x312.7x157mm.
Waterproof	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

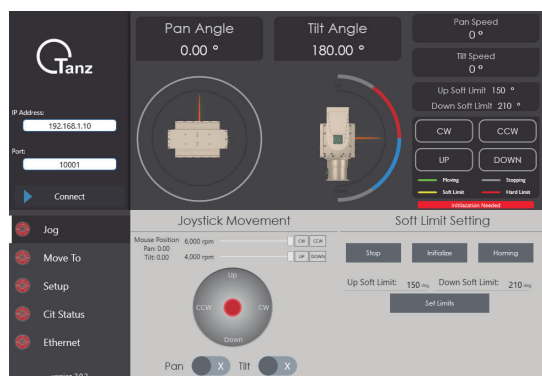
* Tanz Security reserves the right to change products or specifications without notice.

* IP67 nitrogen pressurized optional

* Extended working temperature model available

* Tilt travel to be adapted depending in payload weight and dynamics.

* Tanz Security brand and logo are registered trade marks.



Control and management interface.