



## SS109HT High Performance Pan & Tilt Device



**Sidus Solutions' SS109HT** underwater pan and tilt assembly is a high performance robotic positioning device that improves the versatility and reliability of video inspection systems. The dependability and ease of maintenance of this robust pan and tilt are achieved through the integration of high output stepper motors, low backlash harmonic drives and precision ball bearings into a unique modular motor assembly. These unitized motor modules develop a hefty 14 foot pounds of torque and are securely locked into the corrosion resistant one-piece underwater housing.

The distinctive modular design, found only in the SS109HT assembly, simplifies field repair to using only small hand tools. No soldering is required and can be customer serviced if necessary. Modifications can be made to include feedback circuits and limit switches for applications where position information is vital.

Sidus Solutions supplies complete turnkey inspection system equipment and services. Ask your representative today about other Sidus Solutions product offerings and services

## Specifications

Dimensions:	
Height	8.2 in. / 208 mm
Width	6.6 in. / 168mm
Depth	3.3 in. / 81 mm
Weight:	9.3 pounds / 4.2 kilograms (in air) 5.9 pounds / 2.7 kilograms (in water)
Housing:	Hard anodized aluminum
Connector:	Customer selectable
Operating Depth:	100 feet / 30.5 meters (air filled) 10,000 feet / 3,050 meters (oil filled)
Operating Power:	24 VDC @ 1.2 A max (each axis)
Torque:	14 foot pounds / 19 Nm (each axis)
Rotation Speed:	Selectable up to 20 deg per second
Gear Backlash:	36 arc minutes
Scan Range:	360 degrees both axis 180 degrees tilt axis with yoke
Communication:	RS232, RS422 or RS485

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Design and Specifications are subject to change.