



SS110 Pan & Tilt Device



Sidus Solutions' SS110 underwater pan and tilt assembly is a robotic positioning device which 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 reversible synchronous motors, low backlash harmonic drives and precision ball bearings into an unique modular motor assembly. These unitized motor modules develop an impressive ten foot pounds of torque and are securely locked into the corrosion resistant 316 stainless steel underwater housing.

The distinctive modular design, found only in the SS110 assembly, simplifies field repair to using only small hand tools. No soldering is required and can be customer serviced if necessary. In addition to the standard 120 volt and 24 volt AC configurations, additional versions include 24 volt DC utilizing stepper motors, are also available. 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:	19.3 pounds / 8.7 kilograms (in air) 13.7 pounds / 6.2 kilograms (in water)
Housing:	316L stainless steel
Connector:	Customer selectable
Operating Depth:	100 feet / 30.48 meters (air filled) 10,000 feet / 3,048 meters (oil filled) 18,000 feet / 6,000 meters (ext. compensation)
Power:	120 VAC, 24 VAC & 24 VDC
Torque:	10 foot pounds / 13.6 Nm (each axis)
Rotation Speed:	Up to 10 deg per second
Gear Backlash:	36 arc minutes
Scan Range:	360 degrees both axis 180 degrees tilt axis with yoke

Design and Specifications are subject to change.

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