

STROBE APPLICATIONS



Self Powered 200 W-S Strobe In 6000 Meter Titanium housing

Ocean Imaging Systems (OIS) designs and manufactures a full line of deep sea strobes, from 100 to 600 joule (W-S) power ratings, and housed in aluminum, 17-4 stainless steel or titanium housings. Additionally, OIS can supply strobe components for integration within the customers housing. All OIS strobes feature high efficiency high voltage power supplies (~90%) and have the capacity to be put into a low power standby state. OIS also designs and manufactures custom strobes for a broad range of military, offshore and scientific applications. The strobes shown in this data sheet represent only a small sample of what OIS can supply. Strobes can be supplied to operate from external power sources or from an internal battery.



Quenched Flashtube

Most 3831 strobes offer the capacity to control the light level when operated with cameras that have TTL (through the lens) exposure control (Nikon Sync/Quench format), like the OIS DSC24,000 Digital Still Camera.

Strobes have been supplied to meet the special requirements of AUV (autonomous underwater vehicle) applications, including systems with custom mechanical configurations, special fixed frequency operation and special operating voltages.

Pictured are examples of strobes supplied by Ocean Imaging Systems.



Remote Flash Head With Internal Reflector



System Components Supplied For an AUV System



Custom Strobe Chassis for AUV



200 W-S Strobe in Aluminum Housing



Standard 6000 Meter Remote Flash Head



Multiple Camera & Strobe System For AUV



6000 Meter Flash With Integral Reflector



Strobe Sub-System For Military AUV

OIS Model 3831 Strobe Typical Specifications:

Power:	100 to 600 Joules (watt-seconds)
Recycle Time:	1 to 10 Seconds Depending on Application
Input Voltage:	23 to 33 VDC Standard
Power Source:	Internal Battery, or Externally Supplied
Depth Rating:	2,000 Meters to 12,000 Meters
Housing material:	Aluminum, Titanium or Stainless Steel
Configuration:	Integral or Remote Flash Head
Standby Current:	<50 ua
Battery Capacity:	Up To 1,000 Flashes per Charge



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Specifications subject to change without notice
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