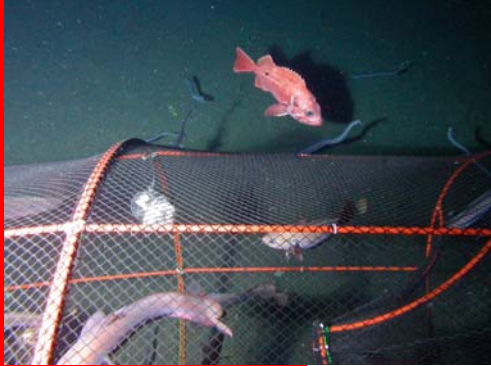


DSC 12,000 Digital Still Camera



Picture taken with Ocean Imaging Systems DSC 4400

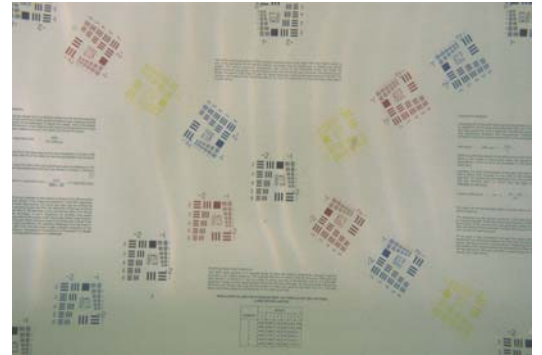
The Ocean Imaging Systems DSC 12,000 Digital Still Camera is the next step in underwater digital photography. Featuring a 12.3 million pixel sensor, a Nikon F mount lens, high pressure optical glass view port and various housing options, the DSC 12,000 offers unparalleled image quality for ROV, towed and autonomous applications.

By utilizing a completely unmodified Nikon D90 digital camera, the DSC 12,000 is able to utilize high quality Nikon 35mm lenses, while allowing for relatively inexpensive and easy swap out of the camera body and/or lens, should service ever be required.

A custom control PC board provides autonomous intervalometer functions, remote control capability and

high efficiency power management, required for long term deployments.

The mechanical packaging and electrical design for the DSC 12,000 have been done with an eye towards upgrading the camera body as new and higher performing cameras become available. The camera is offered with three housing options (17-4 Stainless Steel, 6AL-4V Titanium and 6061-T6 Aluminum).



Test Image



The DSC 12,000 Housed in a 6,000 Meter Titanium Housing

SPECIFICATIONS:

CAMERA:

Camera Body: Nikon D90 SLR
 Sensor: 23.6 x 15.8 mm CCD with 12.9 million total pixels
 Image Size(s): 4,288 x 2,848, 3,216 x 2,136, 2,144 x 1,424
 Storage: 4.0 Gbyte SD card standard, larger optional
 Capacity (4 G SD card): ~549 Images, JPEG Fine, 4,288 x 2,848
 ~2,100 Images, JPEG Basic, 2,144 x 1,424

OPTICS:

Lens: Nikkor 20mm f2.8
 Field of view: 33°(v) x 48°(h) x 57°(diagonal)

MECHANICAL:

Outside diameter: 7.5" (19cm)
 Length: 9.0" (22.9cm)

	<u>Aluminum</u>	<u>Stainless</u>	<u>Titanium</u>
Weight in air (approx.):	8.8 kg (19.3 lbs)	21.6 kg (47.7 lbs)	13.2 kg (29.0 lbs)
Weight in water (approx):	2.9 kg (6.3 lbs)	15.7 kg (34.7 lbs)	7.3 kg (16.0 lbs)
Operating Depth:	2,000 meters	6,000 meters (std)	6,000 meters



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Specifications subject to change without notice. Revised 3/09