

# SDS12100

Next Generation Digital Stills camera from Imenco



The new hand controller with integrated RS232 based control system



SD12100

**Our latest development of digital camera systems combines the excellent digital photo capabilities with the latest digital camera technology, together with our sophisticated software control.**

#### General description:

As the major supplier of Digital Solutions for the Subsea market, Imenco has invested major resources in developing the next generation Digital Camera for the Subsea market. Utilizing the best technology available in Digital camera development, considering both size and quality, we believe that our latest development will be as great a success as our previous models. With higher resolution, intuitive user interface, large internal storage and the possibility to download pictures from the camera when located on a subsea system, the SDS12100 will be the answer to most advanced underwater operations with a need for digital documentation in the form of high quality pictures.

The camera system has been designed and developed for use both on large work ROV systems as well as small observation systems. The camera interface can be reduced to fit even the smallest observation system.

The SDS12100 is available in 3000m standard version, SDS12100T titanium 6000m version and SDS12100A aluminium 2000m version.

#### NEW FEATURE:

The SDS12100 camera has now a built-in **USB to Ethernet** hub which will ensure easy, quick and correct download of photos taken during operations subsea on ROV's with Ethernet connection



System test unit supplied in system.

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## Technical specifications

### Camera unit:

Type:	Super HAD Camera
Effective pixel no:	12.1 million pixels
Memory internal:	Memory stick 2 GB/standard
Recording system:	JPEG
Image pickup element	1/1,8 CCD
Lens	3x Zoom 7.9—23.7 Carl Zeiss
Light metering system:	Digital "ESP" multi pattern
Focusing	Dual AF and passive TTL
Working Range	Standard 0,6—infinity Macro mode: 0,2-0,6m
ISO	Auto, user selectable
Amount of pictures	Approx 512 on max resolution

### Internal Flash unit:

Electronic synchronisation	TTL
Recycling	0,2—8 s De-activated when external Flash is connected

### Housing

Pressure housing	Stainless Steel 3000m Std, 6000m titanium available Aluminium 2000m available
View port	Not corrected
Dimension:	Dia 83mm
Length ex connector	180 mm
<b>Weight</b>	3.2 kg in air
<b>Power requirements:</b>	
Supply:	18 to 36VDC
Amp:	300 mA (peek 800mA)

### Connector:

	Standard Mini Burton 1508
Pin 1	COM
Pin 2	18—36VDC
Pin 3	Ethernet 1
Pin 4	Ethernet 2
Pin 5	Video Output
Pin 6	Ethernet 3
Pin 7	RS232 Rx
Pin 8	Ethernet 6

