

# SeaTrex HD

## High Definition Underwater Point of View Camera



The SeaTrex HD is the most affordable industrial grade underwater point of view camera available today. Designed to bring you full HD images from the most rugged environments.

- **Excellent Picture Quality – Sony HD Technology**

The SeaTrex HD incorporates a 1/3-type CMOS sensor providing outstanding picture quality and superb light sensitivity.

- **Rugged Housing**

The SeaTrex HD is outfitted with powder coated Aluminum housing to withstand any harsh marine environment.

- **One Cable to Camera**

The heavy duty umbilical cable provides power to the camera and returns the video signal to the viewing / recording area. Cable lengths up to 250ft.

- **Mounting Hardware**

The SeaTrex comes with hardware to pole mount or tripod mount. The head can also be connected to a drift fin for self deployment.

Image sensor:	1/3-type CMOS
Effective Number of Pixels:	Approx. 2,000,000 pixels
Aspect ratio:	HD 16:9 / SD 4:3/16:9
Lens:	10x optical zoom, f=5.1 mm (wide) to 51.0 mm (tele), F1.8 to F2.1 / Digital zoom 12x (120x with optical zoom)
Horizontal angle of view:	50° (wide) to 5.4° (tele)*
Minimum object distance:	10 mm (wide) to 800 mm (tele)
Sync system:	Internal
Minimum illumination:	12 lux (F1.8, 501RE) / 1.0 lux (ICR ON F1.8, 501RE)
S/N ratio:	More than 50 dB
Electronic shutter:	1/2 to 1/10,000 s, 21 steps
White balance:	Auto, Indoor, Outdoor, One-push, Manual
Gain:	Auto/Manual (-3 to 18 dB, 8 steps)
AE control:	Auto, Manual, Shutter Priority, Iris Priority, Bright, Spot AE
EV compensation:	-10.5 to 10.5 dB (15 steps, 1.5 dB increments)
Backlight compensation:	On/Off
Signal system:	HD 1080/59.94i, 1080/50i, 720/59.94p, 720/50p SD NTSC (Crop/Squeeze), PAL (Crop/Squeeze)
Video output:	2x HD SDI Plus 1ea. Analog component: Y/Pb/Pr
SD Composite:	1.0 Vp-p (sync negative)
Focus system:	Full Auto (Normal AF/Interval AF/Zoom Trigger AF), One-push Trigger, Manual, Infinity, Near Limit Setting
Picture effects:	Nega Art, Black & White, Picture Freeze
Camera control interface:	Handheld Remote Control
Storage temperature:	-20 to 60 °C (-4 to 140 °F)
Operating temperature:	0 °C to 45 °C (32 to 81 °F)
Power consumption:	12 V DC/3.8 W
Depth Rating:	100m

### Base Package

Camera Head  
100ft inter-connect cable  
SHD Control Box  
Pelican Case

### Explorer Package

Camera Head  
100ft inter-connect cable  
SHD Control Box  
HD Field Monitor  
Pelican Case

### Pro Package

Camera Head  
100ft inter-connect cable  
SHD Control Box  
HD Field Monitor  
HD SDI CF Card Field Recorder  
Pelican Case

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