

SEASPECTRUM MINI IP



The STR SeaSpectrum range of underwater cameras deliver high performance image definition through a variety of formats including HD-SDI, HD-IP and Composite Video. The SeaSpectrum Mini IP builds upon the functionality and proven track record of the SeaSpectrum range of cameras to deliver a highly compact and lightweight titanium housed unit, depth rated to 4000m.

The SeaSpectrum Mini IP is as robust as it is compact utilising a tough sapphire viewport and electrically isolated and protected power and data connections.

The unit benefits from High Definition Internet Protocol data transmission along with very low power consumption allowing easy integration into most ROV and data transportation multiplexers.

Its internal CPU has been optimised to provide video encoding and IP transmission with remote user control of a wide range of optical parameters, resolution, frame rate and compression. Settings can be adjusted to optimise the camera for low bandwidth or low latency applications as well as high performance and high resolution applications.

Operation in zero light conditions is possible when utilising the units internal LED light ring should sufficient external illumination be unavailable.

KEY FEATURES

- Compact Titanium Alloy Housing
- High Definition Internet Protocol Interface
- 1080p Resolution
- Low Latency Operation
- 4000m Depth Rating

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SeaSpectrum Mini IP:

Optical:	Viewport: Sapphire
Field of View:	67°H, 33°V, 72°D (Water)
Sensor:	1/2.5" 5Mega Pixel CMOS
Minimum Illumination:	0 / 0.1Lux Colour (Internal LED ring on / off)
Signal to Noise Ratio:	>50dB (AGC = OFF)
Focus:	Factory Set Fixed Focus
Digital Interface:	Real Time Streaming Protocol RTSP, 720P & 1080P up to 30Hz Recommended, 2592x1920 10Hz Max.
Data Bitrate:	User Configurable 500-8000 kbps
Digital Latency:	100-200ms typical
Power Input:	10 - 28VDC (Max 150mA @ 24VDC, typical 100mA Camera, 30mA LED Ring)
Fault Protection:	Reverse polarity input protection with self reset fuse.
Depth Rating:	4000m
Housing Material:	Titanium Alloy with Sapphire Viewport.
Connector:	MCBH8MTi (MCIL8F mating half)
Dimensions:	65D x 96L mm (excluding connector)
Weight:	0.88kg / 0.56kg (in air / Water)

All information contained in this brochure may be subject to change without prior notice.