

STR SEASPECTRUM IPW



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 IPW builds upon the functionality and proven track record of the SeaSpectrum IP range of cameras to deliver a highly compact and lightweight 6000m depth rated titanium housed unit, with a fixed focus very-wide angle lens.

The SeaSpectrum IPW offers class leading robustness via its highly durable titanium housing and protected optically corrected dome viewport along with electrically isolated and protected power and data connections.

The unit benefits from our latest generation 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.

KEY FEATURES

- Compact Titanium Alloy Housing
- High Definition Internet Protocol Interface
- 1080p30 Resolution
- Very Low Latency Operation
- 6000m Depth Rating
- Underwater Corrected Lens
- Very Wide Angle Field of View

SEASPECTRUM IPW

STR SEASPECTRUM IPW (SP-IPW-6000T)

OPTICAL	DESCRIPTION
VIEWPORT	BK7 Glass Dome
FIELD OF VIEW	115°H, 64°V, 131°D (Water)
SENSOR	1/3" 5Mega Pixel CMOS
MINIMUM ILLUMINATION	0.05Lux
SIGNAL TO NOISE RATIO	>50dB (AGC = OFF)
FOCUS	Internally factory set

INTERFACE	DESCRIPTION
DIGITAL INTERFACE	Real Time Streaming Protocol RTSP, 720P & 1080P up to 30Hz Recommended, 2592x1920 15Hz Max
COMPRESSION	H.264/H.265
PROTOCOL/FORMAT	Multicast, RTP,RTSP,HTTP,RTCP & ONVIF
DATA BITRATE	User Configurable 256-8000 kbps
DIGITAL LATENCY	100-200ms typical
SOFTWARE	Web browser, STR VidOverlay, Other RTSP/ ONVIF compatible systems
POWER INPUT	10 - 28VDC (Max 200mA @ 24VDC, typical 150mA), other power options upon request
FAULT PROTECTION	Over voltage & reverse polarity input protection with self reset fuse

PHYSICAL PROPERTIES	DESCRIPTION
DEPTH RATING	6000m
HOUSING MATERIAL	Titanium Alloy with BK7 Viewport
TEMPERATURE	-5 to 55C
CONNECTOR	MCBH8MTi (MCIL8F mating half), other options available upon request
DIMENSIONS	72D x 149L mm (excluding connector)
WEIGHT	1.6kg / 1.0kg (in air / water)

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