



SEAVISION IPZ



The STR SeaVision IPZ underwater camera delivers high performance HD-IP video solution with advanced functionality, including remotely adjustable zoom & focus, wide angle water-corrected lens and internal data storage. The SeaVision IPZ is manufactured within a compact, lightweight 6000m depth rated titanium housing which includes a versatile mounting bracket arrangement. The SeaVision IPZ 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. The unit also supports composite video output for legacy interface applications whilst also supporting internal data storage of HD video recording.

KEY FEATURES

- Titanium Alloy Housing
- High Definition Internet Protocol Interface
- 1080p60 Resolution
- Very Low Latency Operation
- 6000m Depth Rating
- Underwater Corrected Lens
- Remote Zoom & Focus
- Wide angle field of view

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TECHNICAL SPECIFICATIONS

OPTICAL:	DESCRIPTION
VIEWPORT:	BK7 Glass Dome
FIELD OF VIEW:	100°H, 56°V, 110°D (Water)
SENSOR:	1/2" CMOS
MINIMUM ILLUMINATION:	0.0075Lux
SIGNAL TO NOISE RATIO:	>50dB (AGC = OFF)
FOCUS:	Remote Via Ethernet / RS485 / Standalone auto
ZOOM:	x4 Optical

INTERFACE:	DESCRIPTION
DIGITAL INTERFACE:	Real Time Streaming Protocol RTSP, 720P & 1080P up to 60Hz
COMPRESSION:	H.264/H.265
PROTOCOL/FORMAT:	TCP/IP, UDP, Multicast, DHCP, SMTP, HTTP, SNMP, RTP, RTSP& ONVIF
DATA BITRATE:	User Configurable up to 16Mbps
DIGITAL LATENCY:	100-200ms typical
ANALOGUE INTERFACE:	Composite Video Output
SOFTWARE:	Web browser, STR VidOverlay, Other RTSP/ ONVIF compatible systems
POWER INPUT:	19-53VDC 6W typical
FAULT PROTECTION:	Over voltage & reverse polarity input protection with self reset fuse.
INTERNAL STORAGE:	512GB

PHYSICAL PROPERTIES:	DESCRIPTION
DEPTH RATING:	6000m
HOUSING MATERIAL:	Titanium Alloy with BK7 Viewport
TEMPERATURE:	-5 to 50C
CONNECTOR:	MCBH16MTi (MCIL16F mating half), other options available upon request
DIMENSIONS:	96D x 216L mm (excluding connector)
WEIGHT:	3.52kg / 2.87kg (in air / Water)

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