

# Seatooth<sup>®</sup> Video

## Subsea Wireless Video Camera



# WFS

WIRELESS FOR SUBSEA

**Seatooth<sup>®</sup> Video** is a subsea wireless video camera solution for subsea construction and IRM activities. It removes the need for a 2nd monitoring ROV.

### Key Features:

- Wireless video streaming up to 4.5m
- Control module integrates with ROV Ethernet port
- Integrates with standard subsea cameras
- **Seatooth<sup>®</sup> Video** ON/OFF controlled by:
  - ROV mounted Seatooth S300
  - Internal real time clock
  - External trigger (Digital input to video)
- Optional wireless network control of external lights
- Optional external antenna with 4m cable

### Benefits:

- Provides 2nd perspective without the risk of ROV umbilical snags
- Rapid installation & recovery
- Optional integrated primary cell lasts up to 10 year in standby
- Saves time → improves efficiency
- Provides 2<sup>nd</sup> perspective on complex tasks
- Helps ensure operations completed 'right first time'

### Applications:

- Reduce time to complete hot stabs and other complex operations
- Monitor subsea deployment, intervention and recovery
- Monitor complex maintenance and repairs
- Remote monitoring of equipment and inspection
- ROV pilot training
- Quality control
- Decommissioning – monitoring P&A of subsea wells

### Seatooth<sup>®</sup> Video Variances

- Standard fixed
- Standard PTZ
- Plug in your own camera



**Seatooth<sup>®</sup> Video** with fixed camera



**Seatooth<sup>®</sup> S300** control module  
Internal Antenna: 3m through water



**Seatooth<sup>®</sup> S300** control module  
External Antenna: 4.5m through water

## CONTACT US



**WFS Head Office**  
7 Houstoun Interchange Business Pk, Livingston, Edinburgh, EH54 5DW, UK  
Tel: +44 (0) 845 862 6600



**WFS Houston**  
777 N. Eldridge Parkway, Suite 280, Houston, TX 77079-4497, USA  
Tel: +1 (832) 460 4435



### Product Specification:

<b>Operating Range/Environment:</b>	
<b>Range</b>	<b>Internal Antenna:</b> 3m in seawater; 6m-10m in air <b>Optional External Antenna:</b> 4.5m through water; 10m-15m in air <b>Wireless ON/OFF Switch:</b> 3m-5m in seawater <b>Wireless Light Control:</b> 3m-5m in seawater
<b>Depth Rating</b>	Standard: 1000m; Option: 4000m
<b>Operating &amp; Storage Temperature</b>	Operating -10 to + 60°C, Storage -20 to + 60°C
<b>Data:</b>	
<b>Seatooth<sup>®</sup> Video</b>	H.264 format Up to 10 frames-per-second Using 78kbps: - Resolution = CIF (352x288) File output .asf format
<b>Data Interfaces</b>	Ethernet
<b>Data Rate</b>	Standard: 78kbps
<b>Power Supply</b>	<b>Standard:</b> External 24V <b>Optional:</b> Internal 24V <b>Optional:</b> 24V output for external lights
<b>Power Consumption</b>	<b>Seatooth<sup>®</sup> Video:</b> Transmit: 19W Receive: 7.5W Sleep: 350μW <b>Seatooth<sup>®</sup> S300 Controller:</b> Transmit: 15W Receive: 4.5W Sleep: 350μW
<b>Physical Characteristics:</b>	
<b>Antenna</b>	<b>Standard:</b> Internal <b>Option:</b> External 1m rod
<b>Dimensions</b>	1000m enclosure: 484mm (+60mm for connectors) x 160mm 4000m enclosure: 484mm (+60mm for connectors) x 150mm
<b>Option Available</b>	<b>Seatooth<sup>®</sup> S300</b> modem + Codec + <b>Seatooth<sup>®</sup> SI00</b> Control/Switch