

# Towed underwater video TUVS100RL



Adjustable depth



700TVL high sensitivity



Autonomy 4h



Integrated LED lighting



Ultraportable



## SUBSEA TECH

Marine and Underwater Technologies

### The towed video TUVS100RL

has been especially designed for long range surveys. Thanks to its integrated wing system, the TUVS100RL can be towed at various depth with optimal video stability.

The camera's depth is directly adjusted by changing the boat speed, the cable length or the system weight. The system includes a waterproof visualization console with integrated 12" LCD screen, a digital recorder/reader (SD card) and a high resolution color camera with integrated LED lighting.



#### VIDEO CAMERA

The TUVS100RL includes a high sensitivity 700TVL video camera and LED lighting system integrated in a acetal or stainless steel casing.



#### BATTERIES

Thanks to embedded NiMH batteries integrated in the console, the TUVS100RL has a fully autonomous energy supply allowing up to 4h (8h in option) missions in remote areas.



#### TOWED WING

Thanks to its hydrodynamic design, the towed wing allows carrying out long range video footages with optimal image stability.

# TECHNICAL SPECIFICATIONS

## VIDEO CAMERA FEATURES

<b>Depth rating</b>	100m standard (stainless steel housing)
<b>Dimensions</b>	∅ 66mm x L 110mm
<b>Weight</b>	820g
<b>Tightness</b>	IP68
<b>Sensor</b>	700TVL resolution, sensitivity 0,01 lux
<b>Lighting</b>	integrated LED in camera housing (500 lumens), intensity control

## CONSOLE FEATURES

<b>Dimensions</b>	L 360mm x W 290mm x H 160mm
<b>Weight</b>	6kg
<b>Video display</b>	12" color LCD screen
<b>Batteries</b>	NiMH accumulators, 24V - 450mAh
<b>Power</b>	On batteries : max. 48W On main power supply : max. 80W
<b>Autonomy</b>	4h (8h in option), integrated battery level indicator
<b>Recorder</b>	Digital recorder/reader on SD card
<b>Output</b>	RCA outputs for external screen or recorder
<b>Input</b>	RCA input for microphone

## TOWED WING FEATURES

<b>Dimensions</b>	L 327mm x W 182mm x H 182mm
<b>Weight</b>	3 kg
<b>Description</b>	Hydrodynamic depression wing
<b>Material</b>	Polypropylene + 316L stainless steel protection frame
<b>Camera tilt</b>	Camera tilt adjustable (0-90°)

## UMBILICAL

<b>Standard</b>	50m sinking cable with Kevlar braid (dia. 6,3mm) + Dynema cable + HDPE protection sheath
<b>Extensions en option</b>	Extensions with customized lengths up to 450m max on demand

## PACKAGING

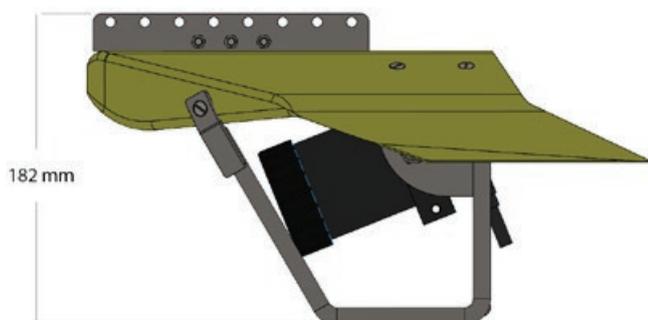
<b>Transport</b>	Camera fitted in the console, transport bag for the console, the wing and the tether
<b>Weight</b>	18 kg

## MAINTENANCE AND WARRANTY

<b>Documentation</b>	Operator manual, soft and hard versions
<b>Maintenance</b>	No specific maintenance required
<b>Warranty</b>	1 year, man-hours and parts, excl. transport costs

## OPTIONS

<b>Depth meter</b>	Integration in the camera casing with data overlay on the console screen
<b>Winch</b>	Manual winch with slip ring for umbilical
<b>Video enhancement</b>	LYYN Hawk Board for turbid waters
<b>WiFi link</b>	Wifi video transmission system on external screen
<b>Transport case</b>	Transport case (Pelicase) for console , camera and umbilical
<b>Support contract</b>	Annual maintenance contract with free updates
<b>Other options</b>	On demand



[www.subsea-tech.com](http://www.subsea-tech.com)



[st.sales@subsea-tech.com](mailto:st.sales@subsea-tech.com)



+33 (0) 491 517 671



SubseaTech



SubseaTech\_



subsea-tech