

## **SEALUX – Universal housing UNM190P for the new Panasonic Camcorder generation**

**SEALUX Universal housing with integrated high-resolution 16:9 colour monitor will fill you with enthusiasm. Now there is available a functional and safe housing for a variety of camcorders usable for a depth of up to 90 m. Elegant in design, state of the art and future-proof.**

Our 17 years of experience in building underwater housings is reflected in this new product. The result is a universal housing offering very high flexibility, easy to handle, solid and reliable. With minimal dimensions and a very low weight we fulfil modern-day requirements. Made for all Panasonic camcorders which are equipped with a cinch plug, a jack plug or 10-pin monitor output (HDMI connection not possible) and which do not exceed a length of 190 mm, width of 132 mm and height of 116 mm.



### **Main features:**

- the only universal housing with a large 3.6" 16:9 colour monitor
- up to 10 functions controllable from the grip
- digital photos and videos are possible in one dive
- optimal grip position in the centre of the housing, this means no blurring of pictures.
- high flexibility and optimal adjustment of the camcorder on the tripod-plate.
- top-quality wide-angle attachments also usable above water.
- unique solution of a swivel-down filter for a universal housing.
- the complete SEALUX video system, i.e., the housing and lighting system can be packed into the ultra-light transport case!

**Housing:** made of seawater-proof aluminium, CNC-milled out of a monoblock, hard-anodized and passivated in a special process to make it seawater-resistant. The camcorder is mounted directly onto the tripod plate in the rear part.



- Front lens:** made of optical glass, colour-neutral, double-sealed, comes with a cap.
- Locking devices:** two quick-action locking devices with safety catches against unintentional opening.
- Microphone:** a high quality electret microphone records underwater sounds.
- Grip rail:** with soft grips detachable for transport.
- LED-control:** - yellow for moisture sensor activated (as extra).

**Monitor back:** the high-resolution colour TFT-LCD monitor offers a sharp and high-contrast 3.6" size, 16:9 format picture.

- monitor On and Off switching with ON-OFF switch inside of the housing.
- with a viewing angle of 15° relative to the diving plane and the effective lens hood allows perfect viewing of images even in shallow waters.

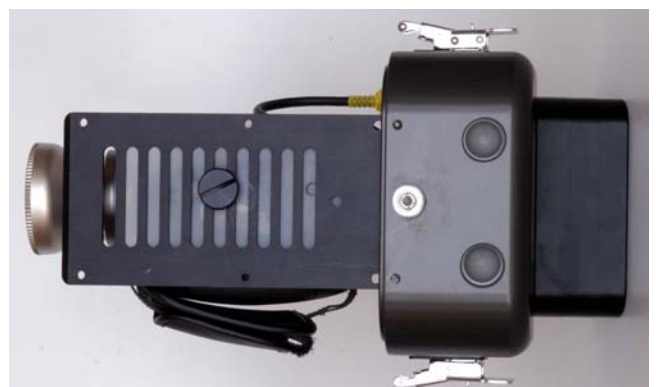


- Monitor:**
- Picture size: 3.6" (92 mm) diagonal
  - Display dimensions: 78.2 x 45.8 mm
  - Aspect ratio: 16:9
  - Resolution: 960 x 234 = 224.640 pixel
  - Dot pitch: 0.0815 mm horizontal, 0.196 vertical
  - Brightness: 250 cd/m<sup>2</sup>
  - Contrast: 350:1
  - Video Input: PAL or NTSC
  - Supply voltage: 12V
  - Electricity supply: 10 NiMH rechargeable batteries 2.3Ah
  - Operating time: 4 hours



- Monitor connection cable**
- 10-pin plug
  - Cinch plug
  - jack plug

**Assembly bar:** designed for optimal adjustment of the camcorder. Transverse slot adjustment for the tripod bolt and longitudinal adjustment by adjusting the tripod plate distance to housing back, meaning continuous adjustment. This is possible only with **SEALUX** universal housings. The large useable width of 132 mm offers enough room for the holding strap and the monitor connection – advantages which can easily be overlooked. The camcorder is secured with a silicone plate and a tripod bolt.



**Push-button control:**

The proven RX5 control via the Remote-Lanc socket enables you to call up to ten functions by pushing the buttons. Due to the arrangement of the operating keys directly on the housing, the grip rail can be removed for transport. The ergonomic arrangement of the buttons allows good operation with gloves directly from the grip. No risk of blurring the picture.



**Functions left:**

- Cursor Up
- Cursor Down
- Cursor Right
- Cursor Left
- Enter



**Functions right:**

- Record
- Zoom-tele
- Zoom-wide
- Photo
- Menu



**Extra:**

UW-colour correcting filter: the URPRO colour-correcting filter for blue water can be swivelled down at the front and is detachable for transport. No risk of losing the filter. A SEALUX solution without compromise.



**Wide-angle attachments:**

Super wide-angle HD-5050 PRO attachment with a factor 0.5 allows a doubling of the picture. It is fully zoomable and is screwed directly onto the camcorder by means of adapter rings. 6 adapter rings with threads of 27, 30, 30.5, 37, 43 are included in the price. The wide-angle attachment is 36 mm deep.

Aspherical wide-angle attachment with a factor of 0.5 can be zoomed up to threefold, needs a length of only 11 mm and is clipsable between 27 mm and 37 mm.

Close-up lenses – only for macro range. For night shots in particular we recommend the close-up lens 1 to 3. Please indicate thread size when ordering.



**Moisture alarm:**  
**Stabilising wing:**  
**Transport case:**

acoustic and visual, controls the good working order of the camcorder.  
to accommodate SEALUX lighting systems.  
the transport case with a minimal weight of only 2.6 kg allows storing of the complete video system with SEALUX illumination.  
Measuring only 500 x 390 x 190 mm it will be accepted as hand luggage.



The front cap is included in the price.

Further accessories see: SEALUX [accessories](#) and [lighting systems](#)



**Dimensions and weights:**

**Dimensions:** L 311 mm x W 226 mm over keyboard x H 159 mm

**Weight:** 4250 g

**Tested depth:** 90 m

**Guarantee:** 2 years

**SEALUX** – the easy way to top-quality underwater photography!

[www.sealux.de](http://www.sealux.de) [sealux@t-online.de](mailto:sealux@t-online.de)