Nautilus IP68 (Nema 6 and 6P) Industrial Camera Enclosure

Dual O-Ring seal on enclosure lids and front window

IP67 sealed cable exit at tube end

Protected cable entry allows the use of standard cables. Tested successfully with 15bar (150m under water).

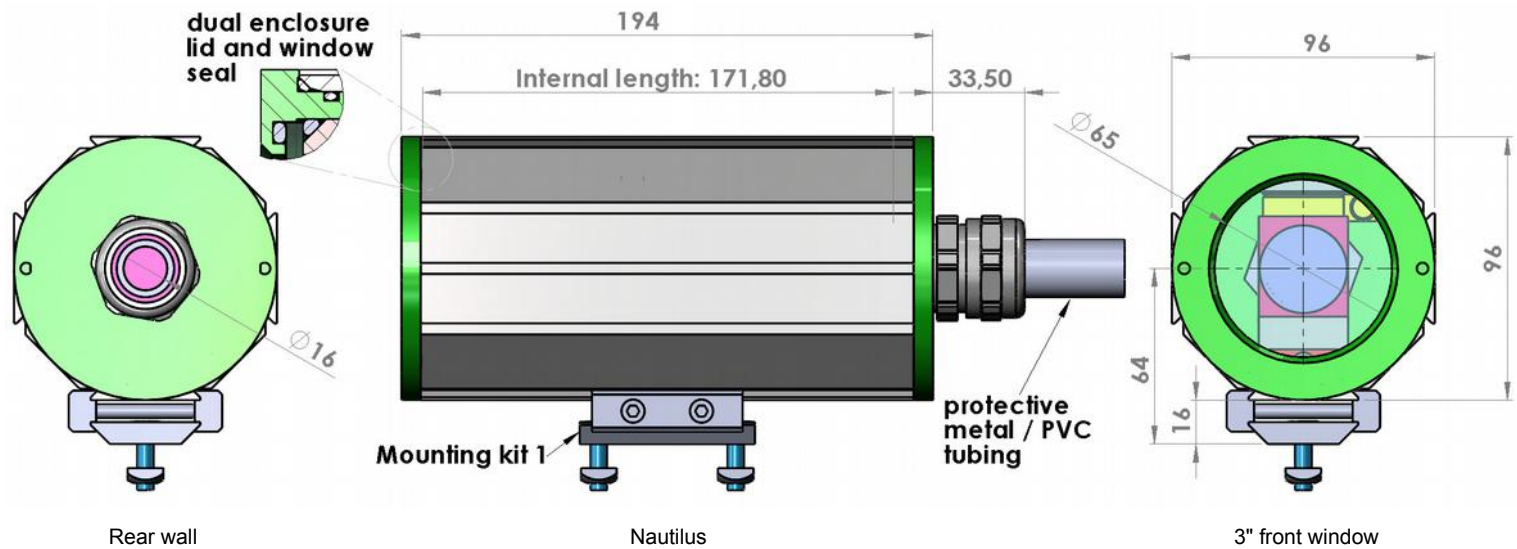## IP68 for cameras up to 60 x 60mm cross section

Technical Highlights:

- **IP68 protection:** for under water use of up to 12 hours down to 10m depth in pool- or sea- water environments.
- **Robust built:** aluminium extrusion profile with end faces anodised for extra corrosion protection.
- **Small form factor:** same size as an Orca M enclosure for cameras with up to 60x60mm cross section.
- **Sufficient space for cameras and lenses:** internal length: 172mm, internal diameter 85mm.
- **"Dual seal principle":** all seal elements like enclosure lids, front window and the cable gland are fitted with 2 sealing mechanisms (i.e. double O-rings), providing extra safety for under-water camera use.
- **Water tight with any cable:** Protective metal conduit with robust PVC sheathing protects the cables from the water and eliminates the risk of an exposed cable entry.

- **Flexible camera positioning:** angle and position.
- **Dovetail profiles enable robust enclosure mounting:** on all 4 sides along the entire profile. Mounting brackets resist a displacement force of up to 3000N! Simple adjustment of working distance.
- **Assembly of ring lights with up to 78mm diameter:** directly into 3" front lid possible.
- **Compatible with a large range of accessories:** various mounting and adjustment brackets, positioning ring for simple camera replacement, and more.
- **High chemical resistance:** thanks to EPDM O-Rings, a Polyurethane cable gland seal and a PVC tube sheathing. Please check if these sealing materials meet your requirements and contact us with special needs!
- **Vibration proof camera mounting with good heat dissipation:** thanks to autoVimation's patented Quick-Lock / Heat-Guide mounting system.

Degree of protection	Dimensions	Material details

■ IP66 - protection from high pressure water jets (Nema 4)
■ IP68 - protection from continuous submersion in water (Nema 6)
   ○ Up to 10m water depth
   ○ Up to 10 hours
 	
IP68 only guaranteed, if assembly and operation instructions are followed carefully!
	■ Camera size: up to 60 x 60mm, internal tube diameter: 16mm
	■ Enclosure length: 228, 172 (total incl. cable gland, internal)
	■ Window aperture with 3" window: 65mm diameter
	■ Lens diameter: up to 85mm
		■ Enclosure: anodised aluminium
		■ Cable gland enclosure: V4A (AISI 316L) high grade stainless steel.
		■ Window: BK7, double-sided broadband anti-reflective coating
		■ Window seal: EPDM
		■ Enclosure seal: EPDM
		■ Cable gland seal: Polyurethane
		■ Protective tube sheathing: PVC

Dimensions:

dual enclosure lid and window seal

194

Internal length: 171,80

33,50

Ø 65

Ø 16

96

96

64

16

Mounting kit 1

protective metal / PVC tubing

Rear wall

Nautilus

3" front window

Accessories:

- **Mounting Kits**
- **Mounting bracket:** also with stainless steel screws
- **Adapter plates:** with 1/4" and 3/8" for tripod mounting
- **Adapter plate for 3" ring light:** in housing lid
- **Positioning ring:** for repeatable camera assembly

Nautilus in use for German Television ZDF
(source "Kontakt Magazin")

Order number key:

Nautilus enclosure and accessories	Order Number
IP68 Nautilus enclosure, protective tube length 5m, camera height in cm (X.X)	2X.X50.200
Strip wound metal conduit with PVC sheathing, price per meter	20.000.005
Replacement O-Ring set, EPDM	20.000.040
Mounting tool 4mm pins for enclosure lids	90.000.004

Sealed cable tube exit