

NOVASUB underwater Pan and Tilt unit, P&T-C-01

Novasub developed an underwater Pan&Tilt unit with fully integration of camera and light control.

The P&T is based on 2 power full stepper motors, integrated control (rs485) and power supply. The tilt has rotating ends on both sides for mounting a camera on side and a light on the other. The camera (any composite camera) is interfaced to the built in controls and can be fully controlled from any standard CCTV PTZ controller with the Pelco-D protocol. Also the pan and tilt function is controlled via the standard PTZ controllers with Pelco D. The position of the pan and tilt is determined with magnetic encoders. This makes it possible to use the preset function in the Pelco-D protocol. The presets are stored in the built in eeprom. This makes it possible to quickly direct the camera to the preset positions.

The unit has a built in video over twisted pair converter. This makes it possible to use and control the P&T over 400 m of twisted pair cables. The cable is connected on the bottom bracket connector. The bottom bracket has 4 fixing holes for installation. The Camera and Light connectors are routed on the P&T unit and are routed internally to the external cable connector on the fixing bracket.

- **Fully stainless steel 316**
- **Extreme ruggedized**
- **Built in zoom camera control**
- **Operates on standard CCTV PTZ controllers (Pan,Tilt,zoom, focus, presets, etc.)**

Applications:

- **Fixed installations**
- **Drop down systems**
- **Rov systems**
- **CCTV systems**

Specifications:

Working depth:	100 meters (optional 4000 m, oil filled)
Test Depth:	130 meters
Material:	SS 316
Connector:	Subconn/Birns, MCBH12M (or other if required)
Pan:	345° @ 20Nm, speed 15°/s
Tilt:	180° @ 18Nm, speed 15°/s
Power:	36-70 vdc, 20 watt
P&TZ Control:	Rs485, Pelco-D standard protocol
Camera control:	Internal rs232 programmable interface based on Pelco-D protocol.
Presets:	16 preset position programmable
Video transmission:	Video over twisted pair (< 400m)
Dimensions:	280x200x120 mm , weight 4 kg.
Optional:	Other type of control, position feedback.



Pan&Tilt with LED light and Trittech zoom camera

