The Novasub Pan & Tilt unit has a fully integration of camera and light control and is ideal for subsea surveillance.

The P&T is built with 2 motors, integrated control (RS485) and power supply. The tilt has rotating ends on both sides for mounting a camera on one 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.

The position of the pan and tilt is constantly registered and the camera can quickly be directed to preset positions. For safety the P&T have mechanic end stops.

The unit has a built in video over twisted pair converter. This makes it possible to use and control the P&T over 600 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.

Connected cameras can be controlled with RS485 or RS232. Connected light can be controlled by 0-5 volt.

### Features
- Fully stainless steel 316
- Extreme ruggedized
- Built in zoom camera & light control
- Operates on standard CCTV PTZ controllers

### Applications
- Fixed installations
- Drop down systems
- ROV systems
- CCTV systems

### Specifications
- **Working depth**: 100 meters (optional 300 m)
- **Test depth**: 120 meters
- **Material**: SS 316
- **Connector**: Birns, MCBH12M
- **Pan**: 345° @ 15 Nm, speed 12°/s
- **Tilt**: 180° @ 15 Nm, speed 12°/s
- **Power**: 24-40 vdc, 20 watt
- **P&T control**: RS485, 4800 bps Pelco-D
- **Camera control**: Internal RS232/485 programmable interface based on Pelco-D protocol.
- **Light control**: 0-5 volt
- **Presets**: 16 preset position programmable
- **Video transmission**: Video over twisted pair (< 600)
- **Dimensions**: 280x200x120mm
- **Weight**: 6 kg.
- **Optional**: Other type of control, position feedback.

### Camera & light cables integrated in P&T

### Related Products:
- NSZC cameras
- LUX18R lights
- SCC-PCDVR04
- PTZ controller
- DLR cables

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