

Camera and lamp surface control unit

oe1232



- Camera PSU
- Variable lamp PSU
- LIM protection

The Kongsberg Maritime OE1232 Camera and Lamp Surface Control Unit is designed to provide regulated 24V dc power (@ 1.5A maximum current) suitable for operating most of the current range of standard Kongsberg Maritime underwater TV cameras.

This compact unit includes a variable (switched) 300 Watt incandescent lamp power supply with full Line Insulation Monitor (LIM) protection. The LIM feature meets the AODC recommendations for the safe use of electricity underwater, ensuring maximum protection for diver and surface operator.

Standard Features**Electrical**

| | |
|-----------------------------------|--|
| Input Power | Switchable 115V / 240V ac (50 / 60 Hz) |
| Camera Power | 24V dc \pm 1V, 1.5A maximum |
| Focus Control | 12V switched bi-polar, 100mA |
| Lamp Power | 0 to 110V ac, 300W maximum, Switched 0 - 35 - 46 - 59 - 81 - 110V |
| Lamp Circuit | Line Insulation Monitor (LIM) |
| Safety Protection LIM Sensitivity | 10mA |
| LIM Trip Delay Time | 5ms maximum |
| Electro-Magnetic Compatibility | EN50081-1 Emission / EN50082-1 Immunity |
| Controls | Power on/off, Lamp Control, LIM, Focus/Zoom |

Environmental

| | |
|-------------|--|
| Temperature | Operating 0°C to +40°C Storage -20°C to +60°C |
| Vibration | 10g, 20-150Hz, 3-axes (non-operating) |
| Shock | 30g peak, 25mS half-sine pulse |

Mechanical

| | |
|--------|----------------|
| Width | 260mm (10.24") |
| Depth | 250mm (9.85") |
| Height | 95mm (3.74") |
| Weight | 7.0Kg |
| Case | Aluminium |

Optional Interfaces

Focus Option Single-wire (Tri-state)
Additional Zoom Function Bi-polar or
Single-wire (Tri-state)

