

OE12-132



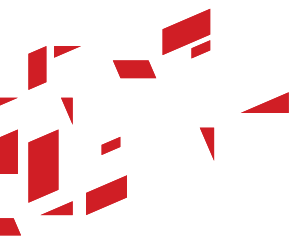
Camera Power Supply and Digital Interface

- 90 to 264 VAC Input
- 24VDC Output
- 110VAC Output
- RS485 & Tri-State Interface

The OE12-132 surface control unit has been designed specifically for interfacing with the OE range of cameras and lamps; whilst they are deployed subsea.

The OE12-132 surface control unit provides a regulated 24 VDC, 1.5A and 110 VAC, 300W power output via a 17-pin connector situated on the rear of the unit. The OE12-132 surface control unit incorporates a user-friendly push button interface for tri-state control of OE camera functions, alternatively a 9 pin 'D' type connector is available on the rear of the unit for GUI (graphical user interface) control via RS485 comms. A BNC type connector is fitted for transmission of a composite video signal to an external monitor. A rotary dial is present on the front of the unit for dimming control of AC halogen lamps.

The OE12-132 has an integrated LIM (line insulation monitor) feature which meets IMCA / AODC requirements for the safe use of electricity underwater, ensuring maximum protection for diver and surface operator alike.



Applications

- Diver TV Systems
- Compatible with all OE Cameras
- Compatible with all OE Actuators

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Technical Specifications

Electrical	
Input Power	Switchable: 95 to 125 VAC (60Hz) 190 to 250 VAC (50Hz)
Output Power	24 VDC (±1V), 1.5A maximum
Functions	Power on/off, AC lamp control, L.I.M, focus, zoom auto focus, joystick
Control	Bi-polar, Tri-state, RS485
RS485 Interface	9 pin D type male connector
Lamp Power	0 to 110 VAC, 300W maximum 5 Stage dimming with rotary control
L.I.M Circuit	10mA leakage detect
L.I.M Trip Delay	5ms max.
Video Output	SD Composite video signal via BNC (75Ω) HD Component - Y, Pb, Pr (Optionally available)
Output Connector	17-way Canon Connector
Mechanical	
Dimensions	Width: 260mm, Depth: 300mm (excl. connector) Height: 91mm
Weight	8.0 Kg
Shipping Weight	14.0 Kg
Housing Material	Aluminium anodised and powder coated
Environmental	
Temperature	Operating: -5°C to +40°C Storage: -20°C to +60°C
Shock	Designed to withstand 30G, 25ms half sine duration, on all three axes
Vibration	Designed to withstand 10G, from 20 to 150HZ on all three axes
Electro-Magnetic Compatibility	BS EN 61000-6-3: 2007 Emission Standard BS EN 61000-6-1: 2007 Immunity Standard

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