

OS800\_U.DOC  
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PRODUCT - OS800  
OPTIC FIBRE VIDEO SYSTEM  
SUB FRAME  
USER MANUAL  
VERSION 1.0  
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# USER MANUAL

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## **1. PRODUCT DESCRIPTION.**

### **1.1 General**

The OS800 is a multi purpose card frame system. It comes complete with backplane and power supply. This system is suitable for a combination of different interfaces.

The card frame comes in two options: Single (OS800S) or Dual power supply (OS800 2D). The single rack will accept up to 6 cards.

List of cards which are compatible with this system.

OS803T - 3 -Channel video transmitter cards.

OS803R - 3 -Channel video receiver cards.

OS8422 - 2 -Channel RS422-RS485 data transceiver cards.

OS806 - 8 -Channel contact echo on fibre cards.

### **1.2 Features**

Fits into 19" rack.

Built in power supply operates from 110/220VAC or 48VDC.

Exchangeable card options.

Each card operates autonomously.

Interfaces directly to single channel remote units.

### **1.3 Use**

It is mainly used in large video security systems to monitor and control movement in remote areas.

## **2. POWER SUPPLY**

### **2.1 Description**

Note the power supply fits only into its designated positions. Plugging it into a wrong position will damage the back plane.

The 220VAC input power supply used is a linear system and provides two voltages. When using a 48VDC power supply use is made of a switch mode unit.

When using a 12 card rack two power supplies are fitted. These are connected in parallel and will thus share the load. The power supplies are fitted with indicating leds. Each output has a separate indicating led.

Fault finding on the power supply is easy. First observe the indicating Leds should any be extinguished then the power supply is obviously faulty. Each output has its own fuse. Check the fuse and replace if necessary. The power supplies are diode isolated from each other thus the one will not affect the performance of the other. All outputs are unregulated.

Output voltages can be measured on the back plane.

## 2.2 Specifications

### 2.2.1 Electrical

Input Voltages:

220VAC 50/60Hz. 35Watt.

110VAC 50/60Hz. 35Watt.

-48VDC. 25Watt.

Output Voltages:

Pins: Ground on 6-10, 16-20

12V 2 Amp Pos on 2,3,4,5,12,13,14,15

12V 2 Amp Neg on 1,11

Indicators:

Indicators for power.

### 2.2.2 Physical

Depth:	160mm	Height:	100mm
Width:	60mm	Weight:	0.9Kg

### 2.2.3 Environmental Conditions

Temperature: 0-45 °C

Humidity: 0-95% non-condensing.

## 6. Ordering Information:

Model Number:

OS800\_A - Single Power Supply unit suitable for 6 cards 220VAC operation.

800\_C - Single Power Supply unit suitable for 6 cards 48VDC operation.