VERSITRON®
Your Copper to Fiber Connection

VersiVision

FVCM12

12-SLOT RACK MOUNT CHASSIS

USER'S MANUAL

Revision B

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PROPRIETARY DATA

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WARRANTY

All VERSITRON products purchased after January 2001 carry a limited lifetime warranty against defects in materials and workmanship for the lifetime of the product.   Purchases made prior to January 2001 are warranted for a period of one year from date of delivery. VERSITRON reserves the right to repair or, at our option, replace parts which during normal usage prove to be defective during the warranty period provided that:

1. You call VERSITRON at (302) 894-0699 or (800) 537-2296 and obtain a (RMA) Return Authorization Number.   Please reference your RMA number on the outside of the box in which the item is returned.

2. Shipping charges are pre-paid.

No other warranty is expressed or implied and we are not liable for consequential damages. For repairs outside of the warranty period, the same procedure must be followed.

Introduction:

The VERSITRON *VersiVision* FVCM12 Rack Mount Chassis can fully accommodate the combination of up to twelve 2-channel or 4-channel video and/or video data modules. The chassis employs a 110 VAC Switch Mode Power Supply (SMPS) design reducing the possibility of a single point-of-failure that can cause a complete shutdown or a major fault of other modules within the chassis rack. The high stability of the system ensures that if only one module shuts down, the operation of the other modules remains unimpaired. Two air-cooling fans are installed inside to further strengthen the long-reliability of the system and eliminate the necessity of periodic maintenance. In addition, all the modules inserted in the chassis are hot swappable. As a result, it is unnecessary for the users to power-down the chassis when removing or replacing a module.

Technical Specifications:

- Input Voltage: 110VAC
- Power Supply: 12VAC @ 500mA
- Filter Form: AC/DC Filtering
- Slots: 12
- Size: 18.97 x 11.81 x 7.09 Inches
- Air Cooling Fan: Two
- Fan Power Supply: 12VDC @ 0.23A
- Power Consumption: 3W
- Construction: Aluminum
- Finish: Black Paint
- Operating Temperature: -30° C to +50° C
- Storage Temperature: -40° C to +85° C

Power Supply

The standard power supply for FVCM12 is 110VAC, which is connected through an attached line cord. A standard 32-pin connector supplies the power to each module in the chassis. The connector is installed such that the notch matches with the 32-pin female connector on the back plane. The red input lamp on the back panel illuminates when the power supply is properly connected to the unit.

Back Circuit Board

The back circuit board of the chassis is solely designed for the purpose of distributing voltage to each plug-in module. A 32-pin female connector is provided from the backboard for each slot in the chassis, supplying the 12 VAC power source. This is the only electrical connection from the back circuit board to the unit.

Plug-In Modules

Plug-in modules are installed by sliding the module into a pair of top and bottom card guides in any available slot in the chassis. The module should be pushed in completely so that 32-pin male connector on the rear of the chassis engages the 32-pin female connector on the back plane. In addition, the plug-in module is fastened into place by tightening the two captive panel screws into the appropriate mating sockets with a small flat blade screwdriver.

Each plug-in module is equipped with a red LED, which will illuminate when power is correctly supplied to the module. The failure of any module in the chassis will not disable the entire chassis.

Troubleshooting

If the power lamp on the back panel fails to light, please check whether the line cord is properly connected. If there is power on the line cord, check the fuse, located in the fuse container under the red lamp button on the back panel of the unit. As a final solution, replace the power supply.

If the power LED indicator on all plug-in modules fails to light, check the unit using the following steps:

1) The power lamp button on the rear panel lights.
2) The 32-pin male connector on the rear of each module is firmly connected to its mating connector on the back plane.

If the unit still fails to work normally after confirming the above steps, the chassis should be replaced.

If the power LED on an individual plug-in module fails to light, check the unit using the following steps:

1) The plug-in module should be firmly seated into the female connector on the back circuit board.
2) The fuses in the fuse container under the red lamp button should be intact. If not, return the module for maintenance.