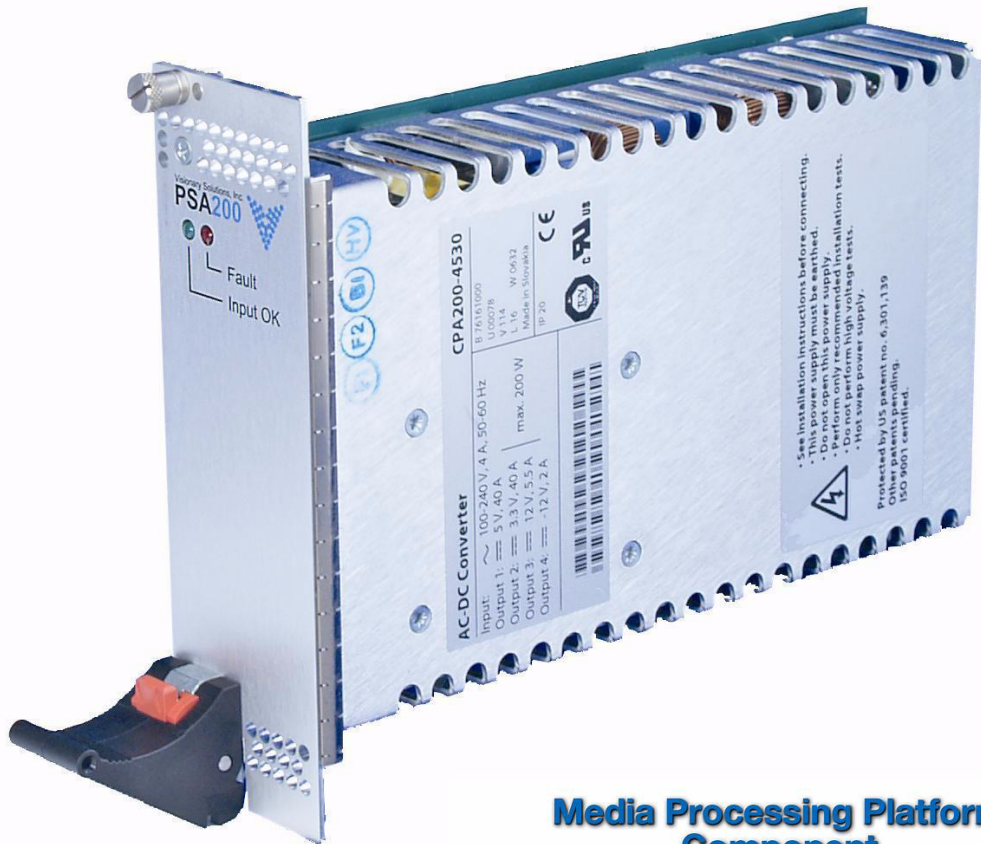


# PSA200 User's Manual



## Media Processing Platform Component

©2011 Visionary Solutions, Inc. All rights reserved.

Please visit the support section of our website at [www.vsicam.com](http://www.vsicam.com) for manuals, other documentation, and software downloads.

Visionary Solutions, Inc.  
2060 Alameda Padre Serra  
Suite 100  
Santa Barbara, CA 93103  
T:805-845-8900  
F:805-845-8889  
[www.vsicam.com](http://www.vsicam.com)

July 10, 2011  
Revision 1.0.5

## **About This Guide**

VSI recommends that you download the most recent version of this Manual from [www.vsicam.com](http://www.vsicam.com).

## **Limited Liability**

In no event shall Visionary Solutions, Inc. be liable, whether in contract, tort, or otherwise, to OEM or Customers for (a) any damages resulting from loss of use, data or profits howsoever arising hereunder in relation to or in connection with Visionary Solutions, Inc. Software, (b) any special, indirect, incidental or consequential damages, even if Visionary Solutions, Inc. has been advised of the possibility thereof. Visionary Solutions, Inc.'s total liability in contract, tort or otherwise arising out of, in connection with or in relation to the Software or otherwise under this Agreement shall be limited to the amount paid to Visionary Solutions, Inc. or and authorized Visionary Solutions, Inc. reseller for the Visionary Solutions, Inc. Software or Hardware for a Customer in the 12 month period immediately preceding the event which has given rise to the liability.

The contents of this document are subject to revision without notice due to continued progress in methodology, design, and manufacturing. Visionary Solutions, Inc. shall have no liability for any error or damages of any kind resulting from the use of this document.

## **Trademark Acknowledgements**

All trademarks or registered trademarks are properties of their respective owners.

## **Visionary Solutions, Inc., Limited 12-Month PSA200 Warranty**

We appreciate your purchase of this Visionary Solutions, Inc. product. We feel confident that in normal use it will provide years of satisfactory performance.

Visionary Solutions, Inc. warrants to the original user that the video equipment supplied by us will be free of defects in materials and workmanship for a period of twelve (12) months from the date of purchase from Visionary Solutions, Inc. or an authorized reseller of Visionary Solutions, Inc. Visionary Solutions, Inc.'s obligation under this warranty shall be to the repair including any necessary parts and the cost of labor connected therewith, or at its option, the exchange or the refund of the purchase price, of any video equipment that is determined by us to have a manufacturing defect within the warranty period.

Replacement parts furnished in connection with this warranty shall be warranted for a period equal to the unexpired portion of the original equipment warranty.

## **Warranty Exclusions**

This warranty does not apply to repairs or replacements necessitated by any cause beyond the control of Visionary Solutions, Inc., including, but not limited to, acts of nature, improper installation, misuse, lack of proper maintenance, accident, voltage fluctuations, and unauthorized repairs or modifications.

This warranty becomes void in the event serial numbers are altered, defaced, or removed.

Visionary Solutions, Inc. reserves the right to make changes in the design, or make additions to, or improvements upon, this product without incurring obligations to install the same on products previously manufactured.

The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Visionary Solutions, Inc. neither assumes nor authorizes any person to assume for it any other obligations or liabilities in connection with the sale of its products. In no event shall Visionary Solutions, Inc. or its authorized resellers be liable for special or consequential damages arising from the use of its products, or any delay in the performance of this warranty due to causes beyond its control.

IN THE U.S.A., SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR THE EXCLUSION OR LIMITATION OF CONSEQUENTIAL DAMAGES, SO THE PREVIOUSLY STATED LIMITATIONS ON IMPLIED WARRANTY AND CONSEQUENTIAL DAMAGES MAY NOT APPLY TO YOU.

## **Customer Obligations**

The original, dated, bill of sale should be retained as proof of purchase and must be presented to the Visionary Solutions, Inc. or a Visionary Solutions, Inc. Authorized Service Center when this equipment is to be serviced under the provisions of this warranty.

The cost of transportation to and from the Authorized Service Center is the responsibility of the user.

## **How to Obtain Warranty Service**

Should this equipment require warranty service you may obtain specific information on how to obtain this service by directly contacting Visionary Solutions, Inc., or the reseller who sold you this equipment.

---

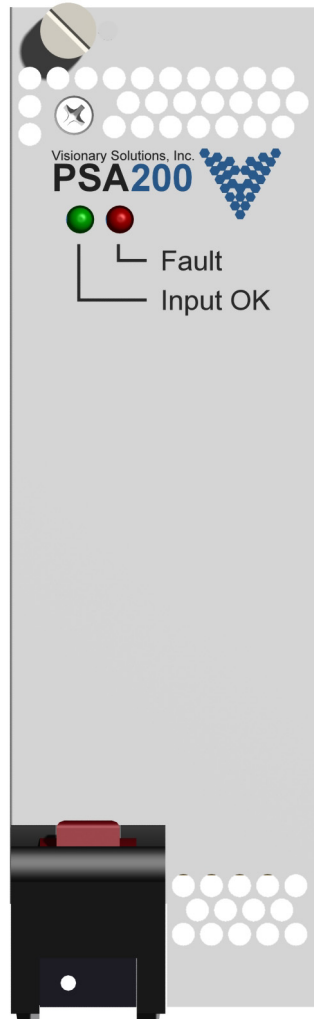
---

# The PSA200 User's Manual

## 1.1 The PSA200

The PSA200 power supply is an International AC input (100-240VAC, 200 Watt) unit provided for the MPP1700. It complies with the compact PCI standard and is 3U high 8HP wide. Power supplies can be inserted into slots 18 and 20 of the MPP1700. Operation requires only one power supply. However, using two power supplies provides redundant load sharing. When two power supplies are installed, they can be hot swapped without interruption to the system.

## 1.2 PSA200 Front Panel



Two LEDs are provided on the PSA200:

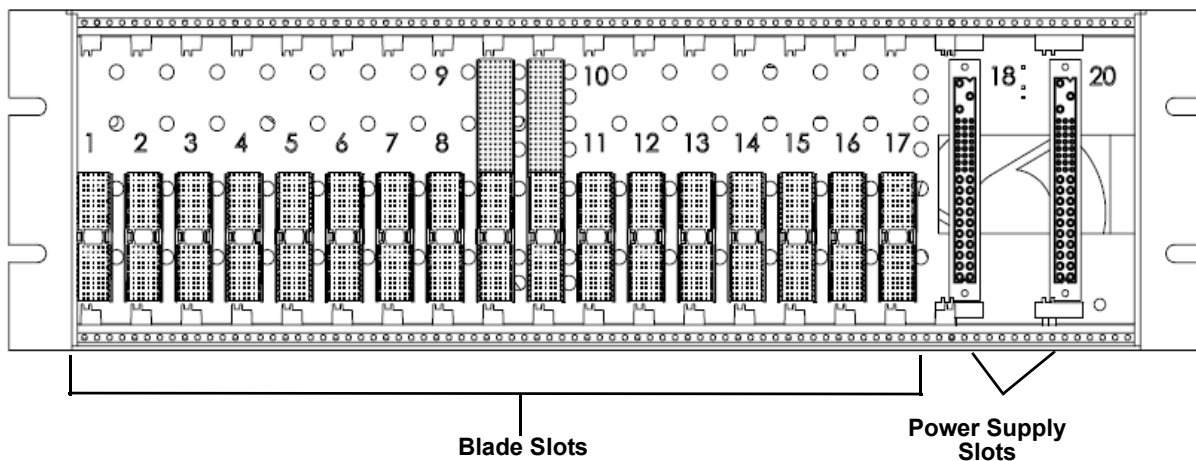
1. The Input OK LED will illuminate green when the supply is properly installed, power is applied, and the system is operational.
2. The Fault LED will illuminate red if a fault condition is detected.

### 1.3 The MPP1700

The Media Processing Platform (MPP) 1700 is a high density, rack mount blade chassis used in VSI IPTV applications.

Slots 1-17 on the chassis can be filled with any VSI blade product. Slots 18 and 20 can be filled with power supplies. At least one of the power supply slots must be filled, and for dual redundant power supply support, both power supply slots must be populated.

### 1.4 MPP1700 Front Panel Slots



### 1.5 Power Supply Installation

---

**Warning:** Before installing the power supply, be sure to read the safety and equipment information contained in this chapter.

---

**Caution:** Use proper ESD precautions when installing or removing the power supply to avoid damaging the unit's circuitry.

---

**Note:** Slots 18 and 20 can only be populated with a power supply module.

---

---

---

**Note:** *It is important that the module be properly aligned with the slot guides before it is inserted into the appropriate slot on the chassis. It is recommended that the user's line of sight be level with the middle of the backplane in order to see both slot guides clearly.*

---

To install a power supply:

1. Slide the module, open end first, into slot 18 or 20 on the chassis until it plugs into the power connector located on the backplane at the rear of the unit.
2. Use the bottom ejector handle to securely seat the module into the chassis and to properly mate the rear connectors. The handle should lock closed when properly inserted to secure the unit.
3. Tighten the captive thumb screw located at the top of the module to provide a more secure mounting.
4. If desired, an additional Phillips screw can be installed through the injector handle.
5. The Input OK LED will illuminate green when the supply is properly installed, power is applied, and the system is operational.
6. The Fault LED will illuminate red if a fault condition is detected.

To remove a power supply:

1. If tightened, loosen the captive thumb screw at the top of the front module.
2. If installed, loosen the additional Phillips screw in the ejector handle.
3. Press the red tab in the bottom injector/ejector handle to unlock the module.
4. Pull down on the handle and pull the module out of its slot away from the chassis.

## 1.6 PSA200 Safety and Compliance

---

**Caution:** This component level power supply is intended exclusively for installation within other equipment by an industrial assembly operation or by professional installers. This is a Class I power supply; the ground pin of input connector J1 must be properly connected to each ground in end use. The power supply is to be installed in end-use equipment according to the requirements of the safety standard used for that equipment. The power supply is not designed to be operated outside of an enclosure which provides a means of mechanical, electrical, and fire protection. To maintain Safety Extra Low Voltage (SELV) requirements, the outputs should not be connected together in any manner which causes the total output voltage to exceed 60 VDC.

---

**AC Input:** 100-240 VAC, 4A; 50-60 Hz

**Safety Approvals:** UL Listed I.T.E. E257717

---

**Input Connections:** J1 PIN 46 Neutral, PIN 47 Line, PIN 45 Ground.

**Outputs:** V1 +5V/40A, V2 +3.3V/40A, V3 +12V/5A, V4 -12V/2A.

---

**Note:** *The total output power is not to exceed 200 watts with 250 Linear Feet per Minute (LFM) of forced air.*

---

**Protective Earthing:** The PSA200 must be properly grounded to mains protective earthing termination at end use.

**Fusing:** In case of failure, the PSA200 must be returned to VSI. There are no serviceable parts in the power supply.

**Overall Size:** 6.40 in. (162.5 mm) x 5.07 in. (128.7 mm) x 1.60 in. (40.6 mm)

**Weight:** 1.75 lb (0.8 kg)