



PESA

PSA200 User's Manual



**Media Processing Platform
Component**

Thank You !! for purchasing your new video processing equipment from PESA. We appreciate your confidence in our products and want you to know that if you ever have a concern or problem with a PESA product, we have a team of engineers, technicians and customer service professionals available 24/7/365 to help resolve the issue.

Again thank you for choosing PESA, and we look forward to a long-term partnership with you and your facility.

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PESA, Limited 12-Month PSA200 Warranty

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

PESA 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 PESA or an authorized reseller of PESA. PESA'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 PESA, 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.

PESA 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. PESA 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 PESA 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 PESA or a PESA 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

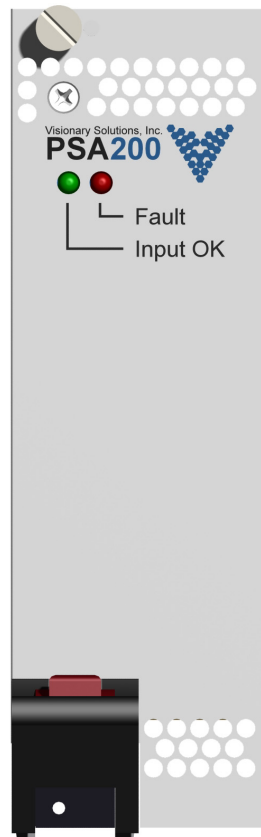
Should this equipment require warranty service you may obtain specific information on how to obtain this service by directly contacting PESA, or the reseller who sold you this equipment.

The PSA200 User's Manual

1.0 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.

1.1 PSA200 Front Panel



Two LEDs are provided on the PSA200:

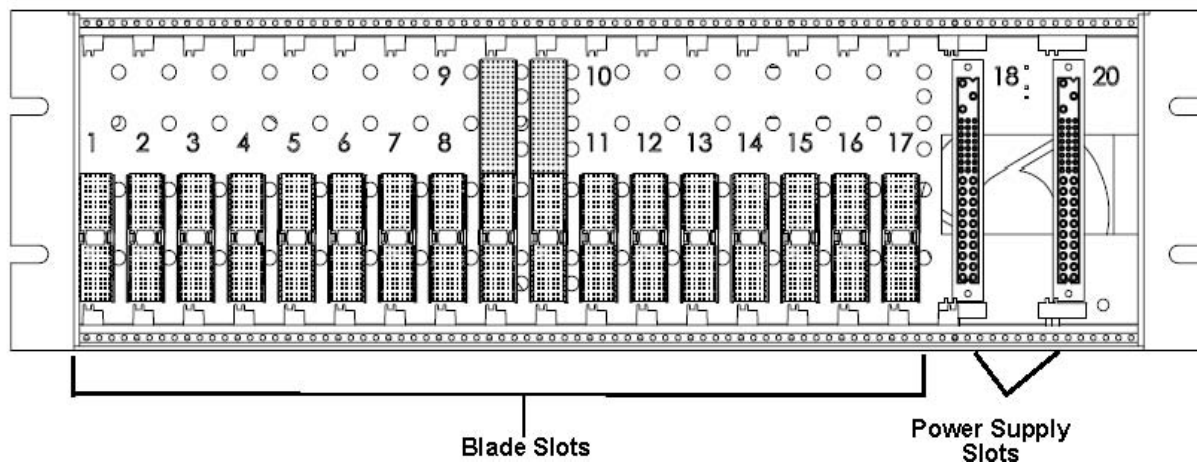
- 1 The Input OK LED will illuminate green when the supply is properly installed, power is applied, and the system is operational.
- 2 The Fault LED will illuminate red if a fault condition is detected.

1.2 The MPP1700

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

Slots 1-17 on the chassis can be filled with any PESA 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.

1.2.1 MPP1700 Front Panel Slots



1.3 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.

1.4 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 PESA. 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)



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