

RM3 hardware Specifications



System Hardware

Rack-mounted industrial chassis
Dual locking doors
3 Rack unit 5.25" standard height
19.00"w x 5.25"h x 21"d
Weight - 35 pounds (+ option modules)
Mounting Rail Kit
Microsoft Windows 8.1 Pro/64-bit
Intel Core i7 Quad-Core CPU
600W Power Supply
Integrated Dual Gigabit LAN Ports
Integrated SATA-III Controller
USB 2.0/3.0 Support
Single Mode - 1x DVI output
Dual Mode - 2x DVI output
Quad Mode - 4x DVI output
Support for resolutions up to 4K output

Architectural Specifications

The video media processing subsystem will provide an IEEE standardized rack mounted computer with integral rack mount ears and full extension ball bearing steel slide mounts. The system will be lockable from the front and have integral cooling to maintain operations from 10°C (50°F) to 32°C (89°F) ambient temperature without de-rating or damage. Power supply shall be a UL listed high power factor switching supply with automatic adjustment for input line voltages from 100 to 240 VAC and will have a maximum draw of 290 watts. The system will be based on server technologies and will run under the Microsoft Windows 8.1 operating system. The standard configuration will provide a minimum of 4gb of RAM and 500gb SATA-II/III storage in RAID 1 configuration. Options shall exist to increase memory or storage in RAM, HDD, SSD or alternative RAID technologies. The system will provide multiple USB-2 and USB-3 ports for data connections, 1000baseT network connection, PCIe-3 and SATA-II/III storage system connections. The system is designed to accept multiple option modules to ensure compatibility with all current versions of Pandoras Box Media Player, Pandoras Box Manager and Pandoras Box Widget Designer software packages. The video media processing system shall be the Theatrical Concepts RM3G hardware reference platform.

Electrical & Environmental

100-240 VAC universal power supply
Power - 290 watts full load
Current - 2.4 amps @ 120VAC full load
Thermal output - 990 BTU/h @ full load
Cooling - Multiple internal low noise fans
Operating temperature +10°C to +32°C
provide adequate airflow to maintain
ambient temperature under 32°C

Software Applications

Factory Certified Compatibility with:
Pandoras Box Media Player versions:
Single Mode - 1 output
Dual Mode - 2 outputs
Quad Mode - 4 outputs
Pandoras Box Manager
Pandoras Box Widget Designer

Theatrical Concepts, Inc.
5304 Derry Avenue, Suite O • Agoura Hills • California • 91301
818 • 597 • 1100

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