

RK5200PS-5U Rack Mount

CHASSIS FOR ENDURA® SYSTEM MODULES

Product Features

- Mounts in Standard 19-inch (48.26 cm) Rack
- Hot-Swappable Internal Power Supplies
- Thermal Management Included
- Optional Blank Modules
- Integrates with Pelco Endura® Modules
- 5 Rack Units (RU) High



The **RK5200PS-5U** chassis has redundant hot swappable internal power supplies, thermal management, and can contain up to 12 Endura® system modules. The chassis measures 5 RU in height. The internal power supply powers all modules and can be replaced easily if it fails. The Pelco badge on the front of the power supply illuminates blue when the power supply is running, and a status LED provides notification of a power failure on either of the redundant power supplies. The chassis is designed to mount into an EIA-standard, 19-inch (48.26 cm) rack.

The internal power supply has a relay output connector that is directly wired to the power and is a normally closed (N.C.) dry contact. If the power supply fails, the relay opens and the LED above the Pelco badge lights up.

Optional blank modules (RK5001B-4U) can be inserted into empty module slots to create a clean, full-rack look as well as ensure proper airflow if the rack contains fewer than 12 modules.



TECHNICAL SPECIFICATIONS

MODEL

RK5200PS-5U Rack mount chassis for up to 12 Endura modules; redundant internal power supply

GENERAL

Dimensions 15.50" D x 17.70" W x 8.72" H
(39.37 x 44.96 x 22.15 cm)
Mounting Fits 19-inch (48.26 cm), EIA-standard rack
Unit Weight 12.7 lb (5.76 kg), with power supply
37.8 lb (17.15 kg), fully populated
Shipping Weight 44.0 lb (19.93 kg)

ELECTRICAL

Input Voltage 100-240 VAC, 50-60 Hz, autoranging
Output Voltage 12 VDC
Power Consumption Operating Maximum*
 100 VAC 75 W, 256 BTU/H†
 115 VAC 75 W, 256 BTU/H†
 220 VAC 70 W, 239 BTU/H†
Fuse 4 A/250 V
Redundant Capability Yes, hot swappable

MECHANICAL

Number of Slots 12 for modules and 2 for power supply
Module Orientation Vertical
Rack Units‡ 5 (includes thermal management)
Construction Aluminum
Finish Black

ENVIRONMENTAL

Operating Temperature 41° to 95°F (5° to 35°C) at air intake
(front of unit)
Storage Temperature -40° to 149°F (-40° to 65°C)
Operating Humidity 20% to 80% noncondensing
Maximum Humidity Gradient 10% per hour
Operating Altitude -50 ft to 10,000 ft (-16 m to 3,048 m)
Operating Vibration 0.25 G at 3 Hz to 200 Hz at a sweep rate of
0.5 octaves/minute

Note: The temperature at the unit air intake can be significantly higher than room temperature. Temperature is affected by rack configuration, floor layout, air conditioning strategy, and other issues. To prevent performance failure and unit damage, make sure the temperature at the unit is continuously within the operating temperature range. The RK5200 pulls air from the bottom of the rack, across the modules, and then exhausts the heated air through the upper-rear of the rack. A 1 RU spacer below the rack is required to ensure adequate airflow.

CERTIFICATIONS

- CE, Class A
- FCC, Class A
- UL/cUL Listed
- C-Tick
- S Mark for Argentina

OPTIONAL ACCESSORIES

RK5001B-4U Single-width blank module
RK5200PS Replacement power supply module

*Operating maximum is noninclusive of components within the rack.

†BTU/H is based on 20% internal inefficiency rating; 80% of power output is consumed by NET5400T1 units.

‡Use a 1 RU spacer under the rack to ensure adequate airflow.

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