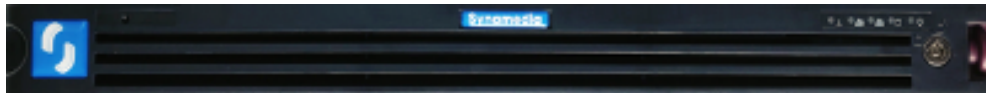


The PowerVu® Conditional Access Manager (vPCAM) is one of the PowerVu next generation system core components. The vPCAM is used for encrypting services with PowerVu CA, and is designed for use with the Digital Content Manager(DCM). The vPCAM comprises of an x86 server platform with a PCIE Hardware Security Module (HSM) installed.

For network monitoring and control, the vPCAM is integrated with PowerVu Network Center (PNC).

PowerVu CA

The PowerVu CA software is hosted on the HSM PCIE card and is used to encrypt ECM and EMM traffic and to communicate with the DCM using various Simulcrypt protocols



Key Features

- PowerVu CA encryption (up to AES128)
- Dual redundant, hot-swappable power supplies
- PNC management support
- Supports up to 85 services
- Simulcrypt communications support

Product Specifications

Conditional Access	
Brand	PowerVu CA (up to AES128)
Crypto Cycle	>=1 sec
Services	85 redundant services
Management	
Control System	Integrated in PNC
Inputs/Outputs	
Number of Ports	Four Ports: Control/GUI Management Port, PowerVu CA Management Port
Type	Eight-pin RJ-45
Ethernet Type	100/1000BASE-T
Environment/Physical	
Dimensions	1U high, 19 in. rack mountable server, stackable Height: 1.7" (43mm) Width: 17.2" (437mm) Depth: 28.5" (724mm)
Operating temperature	10°C ~ 35°C (50°F ~ 95°F)
Storage temperature range	-40°C to 70°C (-40°F to 158°F)
Weight	Net Weight: 26 lbs
Relative humidity	Operating Relative Humidity: 8% to 90% (non-condensing)
Cooling	8 heavy duty fans with optimal fan speed control
Power Requirements	
Voltage range	100-127Vac, 50-60Hz 200-240Vac, 50-60Hz
Power Supply	750W redundant power supplies

Ordering Information

Synamedia PowerVu Conditional Access Manager Chassis	Part Number
Chassis, PowerVu Conditional Access Module, 1RU (config includes server, SW)	PNC-VPCAM-K9
Chassis, PowerVu Conditional Access Module, 1RU (config includes server, SW)	PNC-VPCAM-K9=

Services & Support

Synamedia provides a broad portfolio of services and support to increase your network's business value and return on investment. We take a customer-centric approach, aligning our level of support to your technological requirements and network complexity. That way, you can successfully operate our products and solutions to ensure that you achieve optimal performance throughout your network's life cycle.

Warranty & Contact Information

[Read our detailed warranty information.](#)

Learn more about Synamedia's [video network distribution solutions](#).

For more information, contact your account manager or [visit our site](#).

About Synamedia Video Network Distribution Solution

Synamedia offers a comprehensive distribution solution for content providers to securely deliver video to multichannel programming video distributors (MPVDs). Part of Synamedia's end-to-end video network portfolio, the solution is anchored by a converged platform enabling the distribution of linear channels via satellite and/or terrestrial networks. Our cost-effective solution leverages network control, reception and managerial capabilities to ensure the reliable delivery of premium quality video through flexible transmission options tailored to your working environment.