n5 Video Server

- **Third-generation video server—RAM + disk**
- **Sophisticated, automatic RAM management**
- **Interoperability with existing video servers**
- **Reliability**
  - **Reduced disk count**
  - **Hypercube auto-failover**
- **Extensive scalability**
  - **172 Gbps**
  - **180 TB content**
- **32 MediaHUBs per system each with**
  - **5,400 Mbps streaming output**
  - **16, 32, or 64 GB video RAM**
  - **4 to 24 disk drives**
- **Dual-gun intelligent GigE interfaces**

The C-COR n5 is the first of its kind in third-generation video servers to come to market. Building on C-COR's history in supercomputer development and strengths in traditional disk-based hypercube video servers and high-performance RAM subsystems, the n5 is the first in a line of fully configurable RAM/Disk based systems. The n5 achieves maximal performance at minimal cost, by varying the system configuration in three dimensions (disk, RAM, streaming engines) configured independently of your requirements.

The n5 is a graceful evolution of the existing C-COR commercial VOD server, rather than a high-risk revolutionary design. Stability and predictability are the safety factors required to ensure success and lower operating costs for your VOD installation. The interoperable design allows side-by-side operation of the new n5, earlier C-COR video servers, and even third-party video servers—in the same deployment, feeding the same subscribers, and sharing the streaming load. The hot-swapable, add-on flexibility of the n5 provides operators with a cost saving alternative to full replacement upgrades.

Features	Benefits
n5 scales to match subscriber usage patterns (RAM), content library (disk), and stream needs (number of Media Hubs)	Configurable third-generation video server meets exact requirements at the lowest cost
Automatically tunes RAM content to match subscriber behavior without dependencies on error-prone human guesses of title popularity uiltimately, providing a greater use of RAM	Reduced operating expense through advanced RAM management subsystem
MatchNode technology for multiple servers feeding same service groups and add-on capacity	Reduced capital expense through interoperability with existing video servers
Hypercube auto-failover support and reduced disk count increase reliability and lower OpEx	Greater reliability to reduce operating expense and increase quality of service
~300 streams per rack unit, rivaling any other server when you include their disk drive chassis	Lower capital expense through higher density
Add disks, add RAM, and add MediaHUBs	Simple system growth to meet changing needs

Specifications

Unit Dimensions	
Height (5RU)	8.63 in. (215 mm)
Width	17.5 in. (445 mm)
Depth (unit body)	26.25 in. (655 mm)
Depth (front to rear)	27.66 in. (685 mm)
Electrical Specifications	
Input Voltage	90–256 VAC RMS, 10 A, max.
Frequency	47–63 Hz
Power Source Phasing	single-phase
Power Cord (harmonized)	IEC 320, 12 ft. (4 m)
Power Consumption	
Power Consumption	730 W
Heat Dissipation	2492 BTU (hour)
Regulations	
Meets or exceeds the following requirements:	
Safety	IEC60950, UL/CSA60950, EN60950
RFI/EMI	FCC Class A Pt. 15, EN55022, CISPR 22
Immunity	EN 55024, EN/IEC 61000-4-2, 3, 4, 5, 6, 8,11
Certifications	
Safety	UL, cUL Mark, CE Mark
EMC	FCC Class A, CE Mark

Specifications are subject to change without notice.

System Requirements and Technical support

The n5 video server is compatible with C-COR's complete line of VOD solutions.

Technical Support

If you have questions about preparations for your n5 Video Server system installation, please contact C-COR Technical Support by phone or e-mail.

- Within the United States or Canada: 1-800-799-5727
- Outside the United States or Canada: 1-503-268-6550
- E-Mail: vod-support@c-cor.com

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