



# n5™ Video Server

## Unified Video Delivery Platform



### Supports:

- VOD
- Ad Insertion
- Unified VOD + AI
- 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 tera bps
  - 180 TB content
- 32 MediaHUBs per system each with
  - 5,400 Mbps streaming output
  - 16, or 32 GB video RAM
  - 4 to 24 disk drives
- Dual-gun intelligent GigE interfaces

The ARRIS n5 is the first of its kind in third-generation video servers to come to market. Building on ARRIS'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) as needed to meet system requirements.

The n5 is a graceful evolution of the existing ARRIS VOD and ad insertion server, rather than a high-risk revolutionary design. Stability and predictability are safety factors required to ensure success and lower operating costs. The interoperable design allows side-by-side operation of the new n5 and earlier C-COR video servers in the same deployment feeding the same subscribers, and sharing the streaming load. Employed as a Unified Video Delivery Platform, the n5 provides the economy of a single server that performs both VOD and advertising insertion with lower capital and operating costs.

### Features

n5 scales to match subscriber usage patterns (RAM), content library (disk), and stream/channel needs (number of Media Hubs)

Automatically tunes RAM content to match subscriber behavior without dependencies on error-prone human guesses of title popularity ultimately, providing a greater use of RAM

MatchNode technology for multiple servers feeding same service groups and add-on capacity

Hypercube auto-failover support and reduced disk count increase reliability and lower OpEx

~300 streams/150 channels per rack unit, rivaling any other server when you include their disk drive chassis

Add disks, add RAM, and add MediaHUBs

### Benefits

Configurable third-generation video server meets exact requirements at the lowest cost

Reduced operating expense through advanced RAM management subsystem

Reduced capital expense through interoperability with existing video servers

Greater reliability to reduce operating expense and increase quality of service

Lower capital expense through higher density

Simple system growth to meet changing needs

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## 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 ARRIS's complete line of VOD solutions.

## Technical Support

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

- Within the United States or Canada: 1-800-221-9797
- Outside the United States or Canada: 1-678-473-5656
- E-Mail: [vod-support@arrisi.com](mailto:vod-support@arrisi.com)

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