



**Benefits**

**Carrier-Class Reliability and Availability**

- » Fewer moving parts – dramatically reduces the potential for failure
- » Simplified maintenance without service interruption – blades, NTS, storage disks, and fan trays are all hot-swappable
- » Fully redundant hardware, control, and power components (N+1, 1+1)
- » All content streamed directly from dynamic random access memory (RAM)

**Greatly Reduced Total Cost of Ownership**

- » Fraction of the power of legacy systems (0.2 W/stream)
- » Fraction of the space of legacy systems
- » Up to 60,000 streams per rack conserves valuable headend real estate

**Extensive Scalability Enables Virtually Unlimited Storage Capacity**

- » Decoupled storage and streaming enables independent scaling
- » Meets all requirements of large-scale deployments
- » Ability to grow content library without significant cost

**Future-proof Design Eliminates the Need for Forklift Upgrades**

- » Independent content library and streaming engine growth
- » Exceptional ingest capabilities support Time-shifted TV, On Demand Ad Insertion, Television On Demand, and nDVR services
- » Open, industry-standard interfaces for simplified integration with any environment

**Solid-State Performance Drives Continuous Revenue Streams**

- » 80 Gb/s total output for content interfaces
- » Flexible I/O modules configurable for ingest, streaming, or storage
- » Intelligent content management maximizes effectiveness of solid-state streaming engine while leveraging commodity hard drives for storage

**Applications Supported**

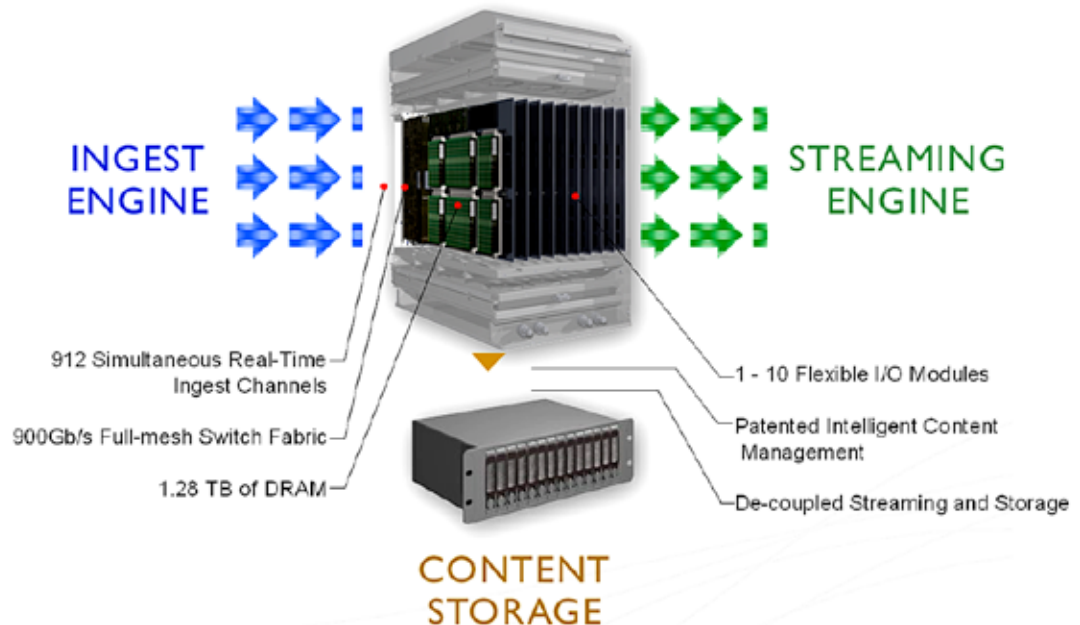
- » Video On Demand (VOD)
- » Time-Shifted TV
- » IPTV
- » On Demand Ad Insertion
- » Network-based Digital Video Recording (nDVR)
- » Television On Demand (TOD)<sup>®</sup>

# B-1™ Video Server Family

Exceeding the requirements for on demand video today and in the future

The Motorola B-1 Video Servers maximize the profitability of today's Video On-Demand (VOD) services, while enabling new services such as Network-based Digital Video Recording (nDVR), Time-Shifted TV, and On Demand Ad Insertion. These scalable, future-proof systems deliver high-performance VOD with carrier-class reliability – providing subscribers with tomorrow's entertainment services and offering cable operators a steadily increasing revenue stream.

While legacy disk-based systems simply can't scale to meet the ever-increasing demands of today's rapidly evolving video services, Motorola B-1 Video Servers optimize service delivery and provide the industry's lowest total cost of ownership. With the only carrier-class, switch-based architecture that separates storage from streaming and ingest, Motorola B-1 Video Servers offer the ability to independently scale content libraries and streaming resources at a fraction of the cost of legacy disk-based VOD servers.



## SPECIFICATION SHEET

### Motorola B-1™ Video Server Family

#### SPECIFICATIONS

I/O Modules	10	1
Rack Units	18 RU	2 RU
Servers Per Standard 19" Rack	2	20
Streams per Server (@ 2.0 Mbps)	30,016	1,876
Maximum Concurrent Streams	30,016	1,876
Total DRAM	1.28 TB	128 GB
Maximum Number of GigE Ports	80	4
Maximum Number of Fibre Channel Ports	80	4
Power Consumption	4000W AC	600W AC
Power per Stream	0.2 W	0.23W
48 Volt DC Option	Yes	No
Storage Interface	Fibre Channel	Fibre Channel
Number of Disks per Server	Independently Scalable	Independently Scalable
Available Commodity Disk Size	160, 250, 400, 500 GB	160, 250, 400, 500 GB
Hours of Storage	Unlimited	Unlimited
Disk Backup Model	RAID-5	RAID-5



B-1



SBB-1



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