FASTSERVE | INGEST

Deliver the story first

Turn around better content faster with a powerful next-generation video server that offers higher channel counts in a compact new design. FastServe® | Ingest meets the baseband capture challenges of live news, sports, and entertainment productions. It offers maximum collaborative efficiency when used with MediaCentral®. And its modular, future-proof architecture fits any budget, improves efficiency, and provides a smooth transition from HD to UHD, and from SDI workflows to video over IP.

CAPTURE HD, UHD, AND HDR MEDIA EASILY

FastServe | Ingest is designed to help live news, sports, and entertainment productions overcome the challenges of baseband ingest. It can encode up to four UHD streams or up to eight HD streams simultaneously from in-studio cameras, satellite feeds, and other input sources. It also offers HDR support for Avid DNxHR and XAVC-I 1080p formats, as well as DNxHR UHD. And it offers hundreds of hours of internal storage, plus a redundant 10GbE interface that delivers real-time media transfer to Avid NEXIS® storage, all in a compact 3U chassis.

TURN AROUND CONTENT FASTER

FastServe | Ingest fully integrates with MediaCentral, delivering maximum collaborative efficiency. It enables dispersed creative teams to access and edit incoming media as it's being captured—even demanding UHD resolutions—from anywhere, using any device. Increase the speed and accuracy of media acquisition through advanced automated feed scheduling and control with MediaCentral | Capture. And because media can be written to both the internal storage and to Avid NEXIS at the same time, fresh material is instantly available to contributors across your organization, with a backup ready for peace of mind.

EDIT MEDIA WHILE CAPTURING IT

No need to wait for material to finish being captured. When used with MediaCentral, you can log and edit incoming streams as they're being ingested—without waiting for the recordings to finish. FastServe can also create high-quality proxies* in parallel, making the multi-resolution clip instantly available to MediaCentral and Media Composer® users to speed up editorial.

ADD AVC-I AND/OR XAVC-I INGEST

With the FastServe | Ingest AVC-I and XAVC-I options, you can extend your codec support to enable eight AVC-I 100 or XAVC-I Class 100 HD, 1080i, or 1080p ingest channels. Get simultaneous dual ingest of high-res and proxy media directly to Avid NEXIS, plus "Edit While Capture" capabilities and multi-resolution dynamic relink for MediaCentral and Media Composer users.

STREAMLINE MULTICAM WORKFLOWS

With the FastServe | Ingest remote console, you can sync multiple channels over multiple servers to start and stop recording and transfers with a single button press. Get easier file management and reduce the complexity of synchronizing multiple camera feeds for editing.

With XDCAM, XAVC-I, and AVC-I formats

KEY FEATURES

> Boost any live production workflow with a high-density ingest server that fully integrates with MediaCentral

> Get fast and accurate media acquisition with automated scheduling and control when used with MediaCentral | Capture

> Encode up to four UHD streams or up to eight HD streams simultaneously, plus create high-quality proxies in parallel

> Capture hundreds of hours of footage to internal storage, plus real-time media transfer to Avid NEXIS storage through its redundant 10GbE interface

> Capture HDR media in pristine 10-bit quality

> Make media immediately available to loggers, journalists, and craft editors with low-latency "Edit While Capture" capabilities

> Easily transition from SDI to video over IP workflows with interchangeable interfaces and support for the SMPTE 2110 standard and NMOS (Networked Media Open Specification)

> Mix HD-SDI with video over IP interfaces to support hybrid infrastructures

> Enable pristine 8-channel XAVC-I ingest with the XAVC-I option

> Sync multiple channels over multiple servers to start and stop recording and transfers, streamlining multicam workflows

> Get peace of mind with dual media ingest, RAID-protected disks, and redundant power supplies and network connections

> Protect your capital investment with a server designed to support higher resolutions and bitrates, and higher channel counts

FOR MORE INFORMATION, VISIT
avid.com/fastserve

FastServe | Ingest—Deliver the story first

SPECIFICATIONS

CPU	2 x Intel Xeon 8-Core 2.1 GHz
Operating system	CentOS Linux
Memory	64 GB RAM
Data interfaces	1 x Serial 4 x USB 3.0 (2 front, 2 back) 2 x 10Gb Ethernet (SFP) 2 x 1Gb Ethernet (RJ45) 1 x VGA maintenance (back) 1 XLR LTC input
Internal storage	Video server—16 x 2 TB SATA 3, RAID 60; System disk—2 x 240 GB SSD, RAID 1
Media capacity	XDCAM50 422: 280 hours DNxHD SQ: 200/160 hours DNxHR SQ 3G: 100/80 hours DNxHD HQ-X 3G: 65/50 hours DNxHR HQ-X UHD: 17/12 hours XAVC-I/AVC-I HD: 240 hours XAVC-I 3G: 120 hours
Supported video codecs	HD: XDCAM HD 422, DNxHD 120/145 SQ, DNxHD 185/220 HQ-X 3G: DNxHD 240/290 SQ, DNxHD 370/440 HQ-X UHD: DNxHR 1480/1760 HQ-X
With the AVC-I Option	HD: AVC-I 100 1080i/720p 3G: AVC-I 100 1080p
With the XAVC-I Option	HD: XAVC-I Class 100 1080i 3G: XAVC-I Class 100 1080p
Video inputs	HD-SDI/3G-SDI with clean and OSD loops, 12G-SDI/Quad-Link 3G-SDI (SQD)
Video ouputs	HD-SDI/3G-SDI, 12G-SDI/Quad-Link 3G-SDI (SQD), 3G-SDI down convert OSD
Video ouputs (monitoring)	HD-SDI/3G-SDI, 12G-SDI/Quad-Link 3G-SDI (SQD), OSD On/Off
Available I/O configurations—HD & UHD	**HD** **UHD** 8 in / 0 out 4 in / 0 out 6 in / 2 out 3 in / 1 out 4 in / 4 out 2 in / 2 out 2 in / 6 out 1 in / 3 out 0 in / 8 out
Audio	Embedded audio—PCM; up to 8 stereo audio channels per video input
Video references	Genlock, Analog Black Burst / Tri level sync / 75Ω with loop through
Timecode input	Internal free run LTC–XLR, ATC ST12-2
Timecode output	ATC ST12-2
Dimensions (H x W x D)	3U Rack, 5.1 x 17.4 x 31.1 inches (130 x 443 x 790 mm)
Weight	83.7 lbs (38 kg) approximate
Power supply	Redundant power supply, 100–240V, 47–63 Hz, 2 x 1,500w (max)
Environmental conditions	Operating temperature: 41°–104°F (5°–40°C) Storage temperature: -40°–158°F (-40°–70°C); Humidity: 90% max

FOR MORE INFORMATION, VISIT **avid.com/fastserve**