FASTSERVE | I/O

Get affordable ingest and playout all in one

Get the powerful performance, efficiency, and reliability of a high-end video server in a single solution that's easier on your budget. Designed for small and regional news and sports broadcasters, FastServe® | I/O integrates seamlessly with MediaCentral®, Avid NEXIS®, and other Avid and third-party systems and controllers to automate media capture and playout for faster turnaround, increasing your speed and accuracy to air while providing peace of mind. Plus, its modular design is future-ready, making it easy to transition to UHD, HDR, and video over IP workflows whenever you're ready, providing maximum return on investment.

GET BIG PERFORMANCE AT A SMALL PRICE

Streamline your end-to-end workflow with a powerful server that offers preview, ingest, and playout capabilities all in one box. FastServe | I/O provides four input and four output channels to handle a variety of production needs. And with support for Edit While Capture, high-quality proxy, and Send to Playback workflows through MediaCentral and Media Composer® integration, you get high-end performance and efficiency at a price that's easy on your budget.

AUTOMATE CAPTURE AND PLAYOUT

FastServe | I/O tightly integrates with MediaCentral | Acquire, MediaCentral | Capture, and MediaCentral | Command, enabling you to automate media ingest and newsroom rundown playout, respectively, increasing your speed and accuracy to air. And providing peace of mind. It also supports API and VDCP, enabling third-party automation controllers to take command of the server.

GET RELIABLE PERFORMANCE

FastServe | I/O is robustly built to address the most demanding production environments, with no single point of failure. The server is equipped with hot-swappable dual power supplies, dual port network connections, and RAID-protected hard disks running the virus-free and stable Linux operating system, ensuring you can capture the media you need and keep content safe.

BUILT TO MOVE YOU INTO THE FUTURE

Like other FastServe configurations, FastServe | I/O offers a modular design that works with the SDI and HD infrastructure you may have now, with the ability to modify the I/O through interchangeable interfaces when you're ready to transition production to UHD, HDR, and video over IP, including SMPTE ST 2110.

KEY FEATURES

> Accelerate news and sports production with an all-in-one ingest and playout server that seamlessly integrates with MediaCentral and Avid NEXIS

> Connect up to four inputs and four outputs to handle a variety of production needs

> Create high-quality proxies in parallel with media ingest to streamline editorial workflows

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

> 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

> Play out media while it's being transferred from editing timeline to server with "Send to Playback" capabilities

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

> Optimize your investment with interchangeable interfaces that make it easy to transition from HD to UHD (coming soon) and from SDI to video over IP workflows

FOR MORE INFORMATION, VISIT
avid.com/fastserve

FastServe | I/O—Get affordable ingest and playout all in one

CPU	AMD EPYC 7313P, 16 cores, 3 GHz
Operating system	CentOS Linux
Memory	128 GB RAM
Data interfaces	1 x Serial 4 x USB 3.0 (2 front, 2 back) 2 x 10 Gb Ethernet (SFP) 2 x 1 Gb Ethernet (RJ45) 1 x 1 GB detected for IPMI-RJ45 1 x VGA maintenance (back) 1 XLR LTC input
Internal storage	HDD Media server up to 4 x 3.84 TB (RAID ZFS file system) System disk—2 x 480 GB SSD, RAID 1
Media capacity	XDcam50 1080i50 61h XDcam50 1080i59 58h XDcam50 720p59 52h XDcam35 1080i50 79h XDcam35 1080i59 78h XDcam35 720p50 68h
Supported video codecs	HD: XDcamHD 422 1080i/720p, 50Hz/59.94Hz XDcam 35 1080i/720p, 59.95Hz
Video inputs	HD-SDI/3G-SDI with clean and OSD loops 12G-SDI/Quad-Link 3G-SDI (SQD)
Video outputs	HD-SDI/3G-SDI 12G-SDI (SQD), 3G-SDI (SQD), 3G-SDI down convert OSD
Video outputs (monitoring)	HD-SDI/3G-SDI 12G-SDI/Quad-Link 3G-SDI (SQD) OSD On/Off
Available I/O configurations—HD	HD XDcam: 50/35 1080i/720p 8 inputs or 4 inputs/4 outputs
Real-time proxy	With the proxy option: XDcam 50
Audio	Embedded audio—PCM; up to 8 stereo audio channels per video input (4 stereo audio channels for XDcam)
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 26 inches (130 x 443 x 640 mm)
Weight	47.5 lbs (21.5 kg)
Power supply	Redundant power supply, 100–240 VAC, 47–63 Hz, 2 x 800W (max)
Environmental conditions	Operating temperature: 41°–104°F (5°–40°C) Storage temperature: -40°–158°F (-40°–70°C) Humidity: 90% max

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