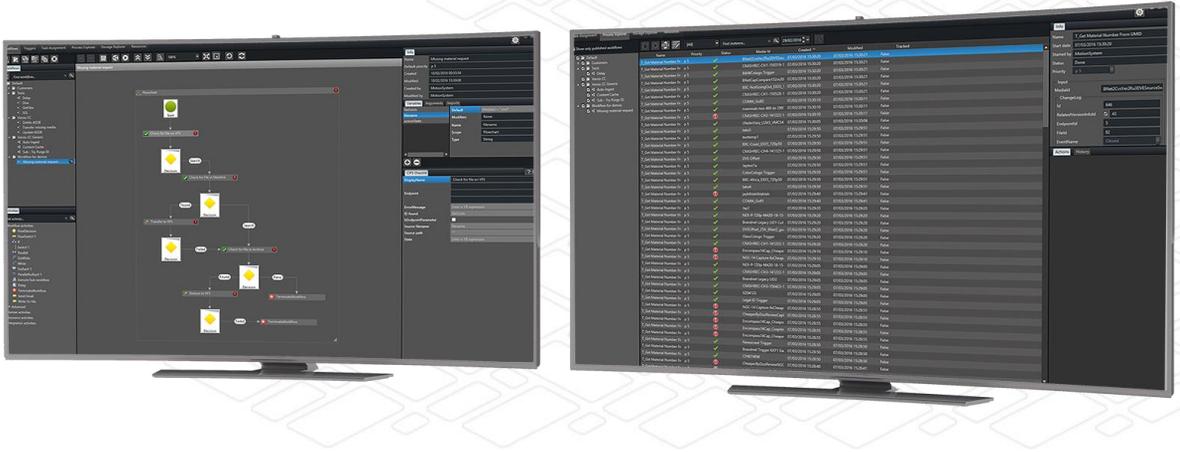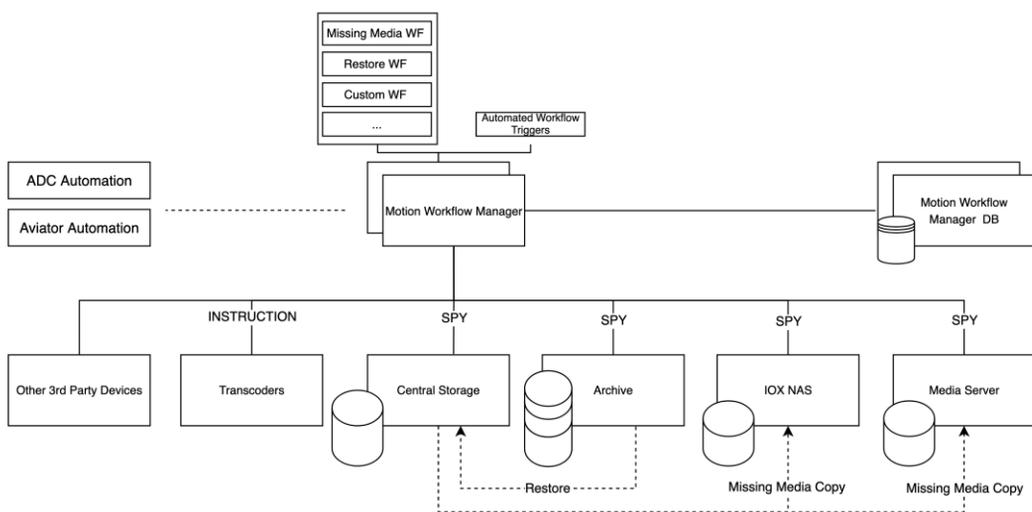# Motion
Workflow Manager

Motion is the integration and workflow enablement module for Imagine's playout solutions — an integral part of the Aviator Automation™ and ADC™ Automation environments.

Motion creates the automated processes that move and manage media between Imagine products, storage, and third-party solutions, firing workflows such as quality control, transcoding, restore from archive, and many more.

Motion is a file orchestration service that ensures playout runs smoothly It delivers video, graphics, and other assets required for channel origination exactly where they need to be - on time, every time.Transform media from one file format to another by incorporating Imagine's transcoder for file delivery, publishing for OTT, or a multitude of other integrations.

In addition to these automatic operations, processes can be triggered manually, and priorities can be modified based on your immediate needs.

Solutions with Motion

For Single-Station Operations or Small Playout Facilities (coupled with the Imagine XVR™ Playout Engines, Versio™ Integrated Playout or the Nexio+™ AMP servers).

- Automatically transfer and transcode file-based material for ingest.
- Distribute material for playout. Integrating with differing storage and traffic solutions.
- Enhance playout by extending automation system to automatically restore missing media from any defined location (video disks, online storage, archives, FTP servers) to the playout server.

For Multichannel Operations, Networks, Cable and DTH (coupled with Aviator Automation™ / ADC™)

- Automatically ingest and archive file-based material.
- Large-scale, complex material movement support for archive, near-line storage, playout, VOD, remote uplink/headend and disaster recovery site.
- Extend automation systems (Aviator Automation™ and ADC™) by automatically restoring missing media from any defined location to the playout server or a central storage solution (IOX Express, 3rd party storage solutions)
- Transform media from one file format to another by incorporating Imagine's SelenioFlex™ File transcoder for file delivery, publishing for OTT, or a multitude of other integrations.
    - Media proxy creation for review of media library
    - Quality check/correct material
    - Support for Transcode to multiple formats
    - Distribute to multiple platforms
- Automatically manage your media from the data center through the NOC to the remote head-end/insertion point

Benefits

- Enhance automation system operations: Automatically restore missing media from any defined location (video disks, online storage, archives, FTP servers) to the playout server(s).
- Support large-scale, complex material movement for archive, near-line storage, MCR, VOD, remote uplink/headend and disaster recovery sites.
- Leverage distributed architectures: Manage your media from the data center through the NOC to the remote head-end/insertion point.
- Maximize efficiency with a comprehensive toolset to create automatic processes, reducing or eliminating manual intervention.
- Automate processes: Enable highly efficient and cost-effective operations working across ingest, QC, production, playout, and delivery.
- Offers increased versatility: Receive content from multiple sources, in various formats; send content to different points of distribution.
- Enables integration to other business systems and task management tools.

Features

- Automatically ingest and archive file-based material.
- Intelligent, rules-based content workflows.
- Automatic content cache based on missing IDs on the automation schedules.
- Query the traffic system to extract a purge list.
- Scans Imagine and third-party devices through proprietary and non-proprietary protocols.
- Optimizes content movement and exchanges between disparate system components, applying rules that would otherwise require operator intervention.
- Copy, move, delete, rename, check IDs and retrieve metadata from video file servers and other storage endpoints.
- Provides a centralized storage view of multiple storage silos from multiple vendors.
- Archive, restore, replicate and transcode to multiple formats.
- Monitor storage usage and automatically e-mail system administrators.
- Trigger workflows automatically based on new, updated, or deleted media in storage.
- Schedule tasks at fixed times and dates.
- Initiate workflows based on notifications from devices (e.g., Nexio, Versio, XVR), applications (e.g., ADC, Aviator), or schedules (e.g., Traffic).
- Import work order lists of material to process.
- Design or modify processes with the user interface-based configuration tools (training and support fees applicable).
- Distribute material to multiple formats for playout, IPTV, VOD, Web, etc.
- Quality check/correct material.
- Storage cleanup, automatic purge based on configurable thresholds.
- Drivers to communicate to 3rd-party devices with native protocols.
- Ease of integration with support of REST API

Specifications

Specification	Motion Server	SQL Database Server
Supported Operating System	Windows® Server 2016 or later *	Windows® Server 2016 or later *
Supported Database Type / Version	N/A	Microsoft® SQL Server® 2016 or later
Supported Redundancy Models	A mix of active/standby and load balancing	SQL Server AlwaysOn
Virtualization of Server Instance Supported	Yes	Yes

Minimum Server Requirements:		
Cores	4	4
Memory	12GB	12GB
Disk	60GB	110GB

* (Included in the OS Install) Microsoft® .NET Framework 4.6 with latest Service Pack

Ordering Information

Part Number	Description
VER-WFL	VERSIO WORKFLOW: VERSIO ADVANCED WORKFLOW ENGINE
VER-WFL-R	VERSIO WORKFLOW: VERSIO ADVANCED WORKFLOW ENGINE ADDITIONAL NODE
VER-WFL-OP-WF1	VERSIO WORKFLOW: ADDITIONAL CUSTOM WORKFLOWS, SERVICES SOLD SEPARATELY
VER-WFL-OP-WF3	VERSIO WORKFLOW: ADDITIONAL 3 CUSTOM WORKFLOWS, SERVICES SOLD SEPARATELY
VER-WFL-OP-WF5	VERSIO WORKFLOW: ADDITIONAL 5 CUSTOM WORKFLOWS, SERVICES SOLD SEPARATELY
VER-WFL-OP-DRV	VERSIO WORKFLOW: STORAGE & THIRD PARTY PROCESSING, QC PLUGIN & TRANSFER WORKFLOW PLUGIN
VER-WFL-OP-DES	VERSIO WORKFLOW: ENTERPRISE WORKFLOW DESIGNER APPLICATION
VER-WFL-OP-CLI	VERSIO WORKFLOW: ENTERPRISE WORKFLOW CLIENT APPLICATION