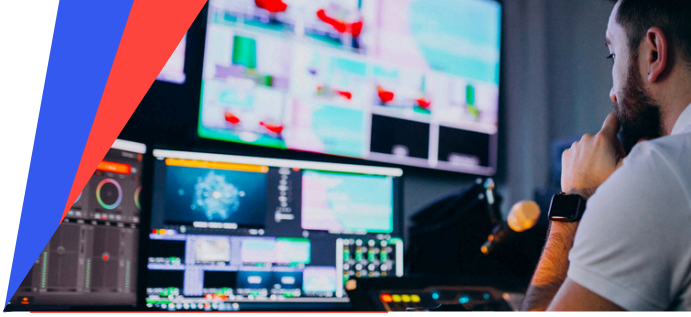
PLAYOUT & INGEST AUTOMATION



Experience unparalleled flexibility with our micro services architecture and deployment options—choose between cloud-based or on-premises installations. Pi offers robust playout and ingest capabilities, supporting the latest standards like SMPTE 2110, SRT, HLS, and NDI, while also ensuring compatibility with legacy SDI systems. Elevate your broadcasting operations with a solution designed for both today and tomorrow.

A cloud-agnostic approach means that PI Automation from Workflowlabs can operate seamlessly across multiple cloud providers (AWS, Azure, Google Cloud) as well as on-premises and hybrid environments.

CLOUD | ON-PREM | HYBRID

Why Choose Pi

- Flexibility: Seamless data movement between on-prem and cloud
- Future-Proof: Stay ahead with support for the latest industry standards and technologies.
- Comprehensive Integration: Enjoy seamless connectivity between modern and legacy systems.
- Docker based Cloud-native Architecture

Designed for Master Control Room (MCR) and news operations, offering streamlined workflows that ensure efficient content management and delivery. With its real-time monitoring and automation capabilities, Pi enhances reliability and reduces manual intervention, enabling MCR teams to focus on delivering high-quality news broadcasts with confidence and agility.

WEB BASED | CROSS PLATFORM & DEVICE | INTEGRATED WITH MAM | DYNAMIC SCALING | UHD SUPPORT

The Pi Playout and Automation Solution enhances your advertising strategies with versatile ad replacement capabilities:

- Localized Ads: Tailor ad content to different regions, allowing for more relevant messaging.
- Programmatic Advertising: Automate ad buying to maximize efficiency and revenue, adapting quickly to market changes.
- Seamless Integration: Easily work with existing ad servers and broadcast systems without disruption.
- Complete support for SCTE 35 & SCTE 105 messages
- Robust API integration for seamless third-party workflow compatibility
- Redundant playout across time-zones & data centers

Workflowlabs

Each module of PI Automation plays a crucial role in ensuring a seamless, automated, and highly efficient media workflow. Below is an in-depth breakdown of the key modules that make up PI Automation.

Pi Record – Multi-Source Ingest & Device Control

- Ingests content from multiple sources including SDI, NDI, SMPTE 2110, SRT, and HLS.
- Supports batch ingest to streamline content acquisition.
- Integrated router and VTR control for smooth capture from various devices.
- Ideal for live recording and scheduled content ingest with automated workflows.

Pi Air – Reliable, Multi-Channel Playout

- Supports frame-accurate playout across SDI, NDI, SMPTE 2110, SRT, and HLS.
- 24/7 automated playout with built-in redundancy for uninterrupted broadcasting.
- Effortlessly manages multiple channels with scalable and flexible workflows.
- Seamless integration with graphics, metadata, and scheduling automation.

Pi Plan – Advanced Scheduling & Playlist Automation

- Enables multi-layer scheduling with primary, secondary, and tertiary event planning.
- Manage and automate multiple playlists with precise frame accuracy.
- Real-time schedule adjustments for live content and ad insertions.
- Automatically generates as-run logs for compliance and reporting.

Pi Assets – Smart Media Management

- A streamlined media asset management (MAM) solution within PI Automation.
- Allows metadata editing, content tagging, and sub-clip creation.
- Fully integrated with Fusion Asset Management for enhanced archival and retrieval.
- Enables efficient content repurposing across multiple platforms.

Pi Gfx – Real-Time Graphics & Branding

- Manage graphics overlays for live and automated playout.
- Supports crawls, tickers, lower-thirds, logos, and data-driven graphics.
- Templates can be applied dynamically to secondary and tertiary events.
- Enhances brand identity with customized, adaptive visuals.

Pi Admin – Centralized Control & System Management

- User management with role-based access control for secure operations.
- Audit trails and logs ensure full transparency and compliance.
- License and error log tracking for optimized system performance.
- Supports multi-location deployments with scalable configuration options.

Supported Formats & Streams

SDI, SMPTE 2110, HLS, SRT, NDI, MPEG-DASH

On-prem hosting

Server Minimum Specs:

Intel Xeon 12C, 2.0 GHz or higher
32GB RAM
500GB SSD HDD
1 Gbps Network card

OR

Host on cloud

Supports all major cloud vendors and data centers

Client PC:

Intel i5 or higher
8GB RAM
100GB SSD HDD
1 Gbps Network card
HD Monitor