DELTAV™

Version 14
Feature Pack 3 Updates

Bringing new features and functionality that are easier to use and faster to you!

DeltaV™ has a strong track record of delivering innovative technologies that help minimize project risk and optimize operational efficiencies with each major release. We have adopted a Feature Pack release strategy to accelerate certain developments to meet the needs of our customers who want to leverage critical features now, rather than waiting for the next major release cycle.
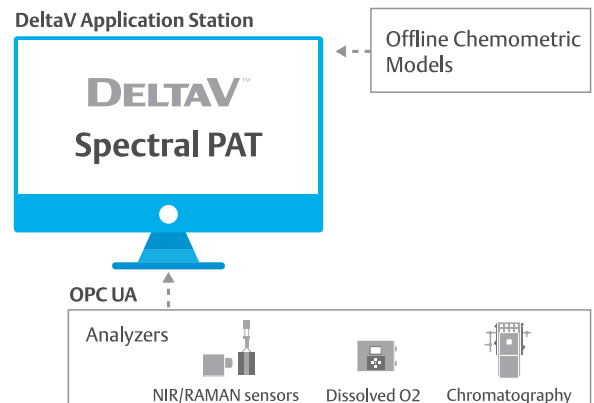
These Feature Packs are being delivered at a regular cadence. Customers can choose to remain on schedule for the next major DeltaV release while applying hotfixes and security patches as they have always done or elect to take advantage of a Feature Pack and realize the project and operational savings that come with those specific features within the same software support window. This flexible approach helps customers make suitable investments in their system at the right time – and deliver the maximum return on those investments.

DeltaV Spectral PAT

Redefining Closed-Loop Process Control

DeltaV Spectral PAT is simplifying the architecture of Process Analytical Technology (PAT) applications and making it easy to deploy by bringing spectral waveform data directly into the control system. By implementing in-line, real-time, continuous, closed-loop process verification and control with an automated real-time quality release, manufacturers can now easily handle regulatory management while optimizing facility performance and throughput. Key benefits include:

- Simplified architecture that reduces PAT hardware / servers and operator interfaces resulting in lower total cost of implementation
- Improve manufacturing performance with closed-loop control
- Easy to implement, maintain, and validate
- Accurately predict quality and reduce variability in real-time

DeltaV Application Station

DELTAV™ Spectral PAT

Offline Chemometric Models

OPC UA

Analyzers

NIR/RAMAN sensors   Dissolved O2   Chromatography

DeltaV M-series Zone 2 Remote I/O

New Design, Added Functionality, Easier PLC Migrations

The next generation M-series RIU2 brings a fresh new design and replaces the original RIU in DeltaV v13 and later. New functionality adds support for Series 2 Plus high-density cards making PLC-5 migrations easier than ever before. Other benefits include:

Shared remote I/O. DeltaV M-series Zone 2 Remote I/O can be shared amongst several DeltaV controllers for a wider range of applications and increased installation flexibility

Easy plug-and-play installation. DeltaV M-series Zone 2 Remote I/O automatically identifies itself to the control network, saving the usual no-value engineering work that other automation systems require. Additionally, I/O cards are recognized as inserted into the Remote I/O subsystem.

Easy to use. Like the traditional I/O in your DeltaV system, the DeltaV controller manages all activities for your Zone 2 Remote I/O. The I/O cards supported by the Remote I/O subsystem are the same as those used on M-series controllers – saving you spares.

DeltaV Live

Improved Operations and Engineering Experience

The most advanced DeltaV HMI ever gets richer with performance enhancements and new functionality focusing on improving the operator experience.

Operations Enhancements

- **Enhanced DeltaV Live runtime diagnostics usability** – Operator effectiveness is improved with DeltaV Live enhanced presentation of runtime diagnostics status conditions.
- **Enhanced zoom** – Improves presentation of over-sized graphics with configurable graphics zoom factors.

- **Display complexity index report in Graphics Studio** – Enables Engineers to easily understand expected graphics runtime performance based on the complexity of a graphic configuration.

DeltaV Live Updates For All Version 14 Releases

Graphics Studio Performance and Robustness

Open Displays

2x Faster

☑ ***Faster* and More Robust!**

Runtime Performance and Robustness

2x Faster

☑ ***Faster* and More Robust!**

Display Callups / Faceplate Callups / Write Confirmations

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