

RSVIEW32

VERSATILE AND SCALABLE HMI FOR MONITORING AND CONTROL

Monitoring and controlling automation machines and processes demands versatility and the scalability to connect to a host of open technologies. RSView[®]32™ is an integrated Human Machine Interface for monitoring and controlling automation machines and processes. Its versatility shows with seamless integration to other Rockwell Software and Microsoft products as well as third-party applications. Language substitution and capabilities in English, Chinese, French, German, Italian, Japanese, Portuguese, Korean, and Spanish create further versatility satisfying users in global regions.

INTEGRATION FROM THE MACHINE TO THE PRODUCTION LINE TO THE ENTIRE PLANT

Core functionality provides the versatility to accommodate a range of integration needs. RSView32 is an open system that allows plant floor data to be shared with other manufacturing systems throughout the enterprise. This provides a link to real-time manufacturing information for the enterprise.

Designed for Microsoft[®] Windows[®] environments, RSView32 interacts easily with the Rockwell Software integrated product line, Microsoft products, and other third-party offerings.

Users experience a multitude of benefits.

- Language tag substitution giving users the ability to create a spreadsheet of string tag values in different languages and then select the values in a particular language during runtime saving development time.
- Develop an object model to expose portions of its core functionality, allowing RSView32 to interoperate easily with other component-based software products.
- Integrate Microsoft's popular Visual Basic[®] for Applications (VBA) as a built-in programming language allowing almost unlimited ways to customize your RSView32 projects.
- Support OPC standards as both a server and a client for fast, reliable communications with a wide variety of hardware devices.
- Implement add-on architecture (AOA) technology to expand RSView32's functionality and integrate new features directly into RSView32's core.



- Open its graphic displays as OLE containers for ActiveX[®] controls — with thousands of third-party ActiveX controls to choose from, you can drop ready-made solutions right into your projects.
- Utilize a Security Wizard registry which grants “non-administrators” with more authority to use RSView32 and its add-on components.
- Single (point-to-point) and fully networked connections and can be configured to communicate on multiple networks simultaneously.

RSVIEW32: FEATURES RICH IN VERSATILITY

Get started quickly with RSView32 point-and-click access to its editors and many of its functions. An intuitive folder system makes it easy to organize project files. To switch between the development and runtime systems, you simply click the tabs in the convenient Project Manager.

POWERFUL GRAPHICS EDITOR

Design high-level graphics for even the most complex application using the RSView32 drawing environment. You can also use graphic files from other drawing software, such as AutoCAD[®], CorelDRAW[®], and PhotoShop[®]. And you can add animations to vector-based graphic objects.

GRAPHIC IMPORT/EXPORT WIZARD

The Graphics Import/Export Wizard in RSView32 lets you export complete graphic displays as XML (Extensible Markup Language) files. You can edit the elements and attributes you need for your graphic displays using an external programming tool or XML editor and then import the file back into RSView32 to modify the existing graphic objects or create a new display.

CUSTOMIZE THE LOOK OF GRAPHIC DISPLAYS

RSView32 offers a full set of display setup features, including background color, highlight color, input field text and fill colors, scaling, window size and position, security code, and startup and shutdown commands. You can also set default values so that all graphic displays in a project share similar characteristics.

Use any of the standard Windows colors for objects in graphic displays, or create your own custom colors. To draw an operator's attention to an object at runtime, animate the object to change color as its value changes, using up to 16 different color options.

COMPREHENSIVE ALARMS EDITOR

RSView32 offers a complete, flexible alarm system. Display alarm messages on the screen, in an alarm log viewer, or export the .DBF alarm log data to any ODBC-compliant database program.

RSView32 alarm monitoring allows you to:

- Monitor up to 40,000 tags for alarms.
- Define up to eight severity levels to distinguish alarms visually and audibly.
- Define up to eight alarm thresholds with different levels of alarm severity to indicate an alarm's importance. Attract attention to high-priority alarms with blinking colors in the alarm summary.
- Add user-defined remarks to the alarm log description field.
- Tie alarm thresholds to tags to provide dynamic threshold values that change with a process.
- Filter alarm summaries to display only those alarms you need to monitor.
- Associate a macro with an alarm to provide custom handling. For example, open a display that contains instructions on how to correct the alarm condition.
- Set up global alarm monitoring. Operators can acknowledge an alarm at one station and have it recognized at all stations.
- Notify a programmable controller that RSView32 has recorded an alarm.

FULL-FEATURED DATA LOG EDITOR

Data logging records specific tag values under conditions defined by up to 400 different log models. Data is stored in .DBF format and can be displayed in trends, archived for future processing or analysis, and displayed or analyzed using third-party software,

such as Microsoft Excel, Crystal Reports®, FoxPro®, and RSTrend™. ODBC database support lets you log RSView32 tag data to an ODBC-compliant database, such as Microsoft SQL Server, Oracle® or SyBase®. You can still view the data graphically in a trend. You can specify a secondary path for all logged data. If the primary path becomes full or unavailable, RSView32 can automatically switch to the secondary path without losing any data. RSView32 automatically detects when the primary path is restored. When the primary path is available, data can be merged data from the secondary path back to the primary path so that you retain all of your data in one location.

SOPHISTICATED LOGIC AND CONTROL EDITOR

RSView32 offers derived tags, event control, expressions, macros, and embedded Visual Basic® for Applications. Use these powerful options to customize and automate your RSView32 projects.

SECURITY FEATURES

Secure RSView32 at the Project Level

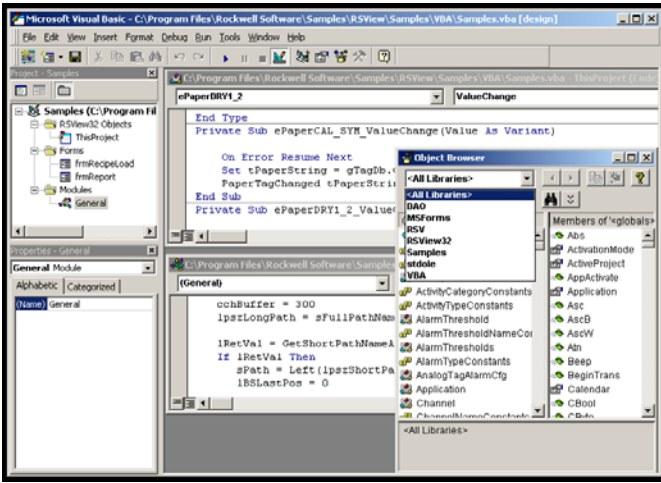
RSView32 provides 16 levels of security to safeguard your system at the project level. Assign levels of security to commands, macros, HMI tags, graphic displays, and OLE verb control. Assigning combinations of security levels to individuals or to groups of users allows different users access to different sets of features.

A Security Wizard registry within the RSView32 tools allows you to grant non-administrators with more authority to use RSView32 and its add-on components.

Secure RSView32 at the System Level

At the system level, lock users into your RSView32 application so they cannot exit to the Windows operating system during runtime. Enabling Windows security synchronizes the user account list to the user list of one domain controller, providing a means for centralizing security management and allowing users a single logon. Launching RSView32 automatically logs a Windows user into RSView32. Changing the RSView32 password also changes the Windows user password.

Tagname	Tag Value	Alarm Time	Alarm Severity	Alarm Label	Tag Description
ProcessIngrd1SUP_PV	4	10:05:55 AM	1	LOLO	Ingredient 1 Level
ProcessIngrd2SUP_PV	11	10:05:55 AM	2	LO	Ingredient 2 Level
ProcessIngrd3SUP_PV	12	10:05:55 AM	1	HI	Batch Tank Level
ProcessIngrd4SUP_PV	13	10:05:55 AM	2	LO	Ingredient 3 Level
ProcessIngrd5SUP_PV	15	10:05:55 AM	1	LOLO	Ingredient 1 Level
ProcessIngrd6SUP_PV	16	10:05:55 AM	1	LOLO	Batch Tank Level
ProcessIngrd7SUP_PV	18	10:05:55 AM	2	LO	Batch Tank Level
ProcessIngrd8SUP_PV	21	10:05:40 AM	1	LOLO	Ingredient 3 Level
ProcessIngrd9SUP_PV	22	10:05:16 AM	2	LO	Ingredient 2 Level
ProcessIngrd10SUP_PV	23	10:05:14 AM	1	LOLO	Ingredient 1 Level
ProcessIngrd11SUP_PV	24	10:05:09 AM	1	LOLO	Batch Tank Level
ProcessIngrd12SUP_PV	25	10:05:08 AM	2	LO	Batch Tank Level
ProcessIngrd13SUP_PV	26	10:04:40 AM	1	LOLO	Ingredient 3 Level
ProcessIngrd14SUP_PV	27	10:04:06 AM	2	LO	Ingredient 2 Level
ProcessIngrd15SUP_PV	28	10:04:04 AM	2	LO	Ingredient 1 Level
ProcessIngrd16SUP_PV	29	10:03:56 AM	2	LO	Ingredient 2 Level
ProcessIngrd17SUP_PV	30	10:03:52 AM	1	LOLO	Ingredient 1 Level
ProcessIngrd18SUP_PV	31	10:03:51 AM	2	LO	Ingredient 1 Level
ProcessIngrd19SUP_PV	32	10:03:49 AM	1	HI	Batch Tank Level
ProcessIngrd20SUP_PV	33	10:03:40 AM	2	HI	Batch Tank Level
ProcessIngrd21SUP_PV	34	10:03:30 AM	1	LOLO	Batch Tank Level
ProcessIngrd22SUP_PV	35	10:03:17 AM	1	LOLO	Ingredient 2 Level
ProcessIngrd23SUP_PV	36	10:03:12 AM	1	LOLO	Ingredient 1 Level
ProcessIngrd24SUP_PV	37	10:03:10 AM	1	LOLO	Batch Tank Level
ProcessIngrd25SUP_PV	38	10:03:10 AM	1	LOLO	Ingredient 1 Level



UPDATE PROJECTS ONLINE

RSView32 saves you time with online changes that don't require you to shut down your process. Edit graphic displays online, and the changes will take effect the next time you open the display. When you add or edit tags online, the changes take effect immediately.

ORGANIZE TAGS IN FOLDERS

RSView32 uses a convenient, intuitive folder structure to organize tags. For example, you might group all tags for Tank1 in one folder and tags for Tank2 in another folder. Browse for tags anywhere within RSView32 or from within VBA.

REUSE TAG DATABASES

RSView32 can reuse the same tags created in a PLC application. Simply open the tag browser and point and click to select the tags. Import an individual tag or groups of tags from an Allen-Bradley® PLC, SLC, or ControlLogix® database.

RSVIEW32 EXTENSIONS

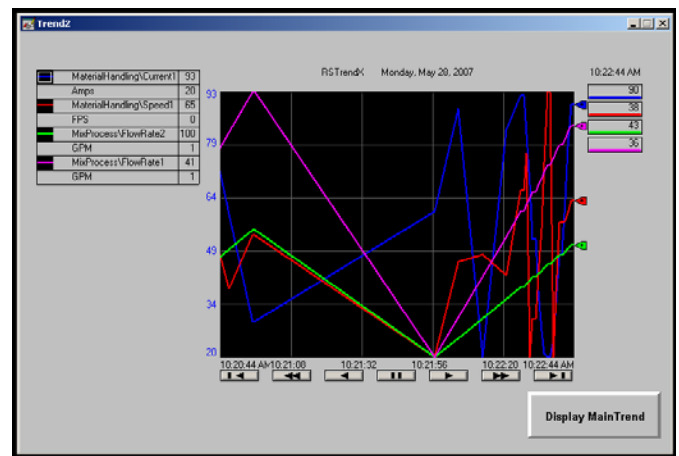
At no additional charge, you can install the following RSView32 Add-ons based on your needs:

RSVIEW32 RECIPEPRO

RSView32 RecipePro provides enhanced recipe management capability that allows you to configure multiple recipe project files in each RSView32 project and easily transfer process data requests to and from your automation equipment.

RSVIEW32 TRENDX

TrendX is an ActiveX control that integrates with RSView32 to provide real-time and historical trending from RSView32 data logs. TrendX offers extensive, flexible runtime control. Add up to 100 pens on the fly, toggle between isolated and overlapping trend lines, specify unique open configurations, and plot one variable against another. Compare data by overlaying multiple trend snapshots, click-and-drag to reposition overlays, and click-and-drag to zoom in and pan through trend data.



CUSTOMIZE AND EXTEND RSVIEW32

Customize Projects with Startup Preferences

Use startup preferences to customize how a project looks and operates at runtime. Specify which graphic to display first, which window elements to display, and whether to disable or enable certain accelerator key sequences. You can also specify which subsystems to start automatically, including alarms, data logging, derived tags, and event detector.

Fully Integrated VBA Programming Language

Microsoft Visual Basic for Applications (VBA) is fully integrated in the RSView32 core product. With the VBA integrated development environment, you can create, test, and debug VBA subroutines, and then run the subroutines from within RSView32.

By writing VBA code that interacts with the extensive Object Model of RSView32, you can manipulate RSView32 programmatically, extend its functionality, and automate processes.

OPC (OLE for Process Control)

RSView32 can function as both a native OPC client and OPC server. As an OPC server, RSView32 can serve data up to other applications. As an OPC client, RSView32 can communicate with a variety of devices and networks that cover all of your equipment, not just the Allen-Bradley devices.

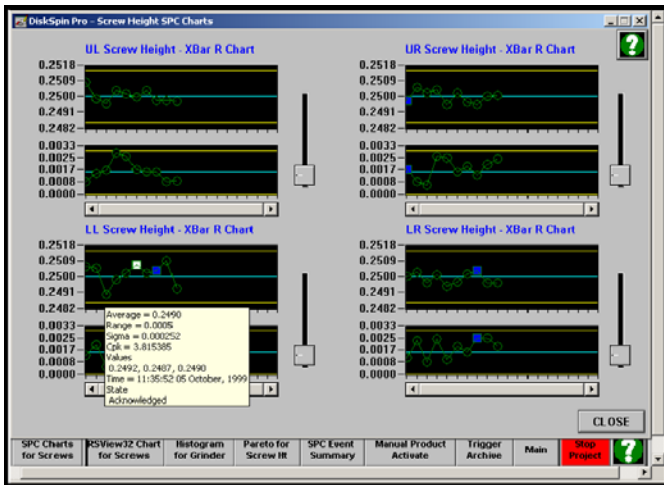
Customize RSView32 Core Features with Add-on Architecture

Add-on Architecture technology expands the functionality of RSView32 by integrating new software components directly into its core. Customize the RSView32 feature set by installing only those components you need.

ADDITIONAL RSVIEW32 FEATURES

FACTORYTALK VIEW LOGVIEWER

The FactoryTalk View LogViewer tool is an ActiveX control for displaying Datalog, Alarm Log, or Activity Log data in a grid format. It allows you to modify filter settings, select log type, display fields, data sort order and time span, or to indicate a specific time. The LogViewer ActiveX is installed as part of the core RSView32 tools.



RSVIEW32 SPC

This Add-on offers an integrated Statistical Process Control solution that provides real-time SPC analysis. SPC provides statistical methods for analyzing and controlling the variation of a process. Controlling a process is essential for producing quality products.

RSLADDER

RSLadder is an ActiveX control that displays ladder logic for the Allen-Bradley SLC™ 500 and PLC-5® families of processors.

RSVIEW32 MESSENGER

RSView32 Messenger announces alarms and simple reports through pagers, faxes, email, telephones, cell phones, or even locally on your computer using a sound card. With its scheduling

capabilities, you can accommodate holidays, weekends, and business trips. Pager setup can be modified during runtime. We continue to offer this to suit the needs of installed applications. Future applications will utilize Win-911.

FACTORYTALK SERVICES PLATFORM

The FactoryTalk® Services Platform is the foundation of the Rockwell Automation Integrated Architecture. It provides a set of common features that enables you to realize value when applying more than one Integrated Architecture product in an application. The FactoryTalk Services Platform is a scalable, modular solution; its consistent activation procedures, common address book, centralized authentication and access control, and uniform diagnostics can help reduce costs and extend the lifecycle of your existing investments.

GET ANSWERS FAST

When you purchase RSView32, you receive both industry-leading software and award-winning global support. Use the MySupport feature to personalize our Support Services Web site for your needs. MySupport can send you regular email messages with links to the latest technical notes and software updates for RSView32 and other products. To register, visit <http://support.rockwellautomation.com>.

GET MORE INFORMATION

For ordering information, contact your local Rockwell Automation sales office or Allen-Bradley distributor. Or learn more by visiting <http://rockwellsoftware.com>.

FactoryTalk Services Platform							
The FactoryTalk® Services Platform delivers value. It is a shared set of common features that enables superior interoperability and commonality between applications for reduced engineering, operations and training costs, while extending the life of existing investments. The FactoryTalk Services Platform provides a solid foundation for today and a path for the future.							
	Activation	Directory	Security	Diagnostics	Audit	Live Data	Alarms & Events
RSView32	✓			✓		✓	

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