NEW RELEASE UNILOGIC 1.7.62 UNISTREAM OS 1.7.11

This new version includes the new HMI widgets Video Player and .pdf Viewer, which enables your users to page through .pdf files on the UniStream HMI panel. Other features include attractive polished-looking gauges, handy Find & Replace tags support, and more.

Features

VideoUse the HMI Video Player widget to play MPEG-4 video files on the HMIPlayerscreen (MPEG-4 Visual, part 2, AVC/H.264).

The widget properties enable you to display video controls that enable the user to start, stop, and adjust the volume.

You can set the video to autoplay, and play it in a loop.

Note that the video is not visible via VNC.



 .pdf This new HMI widget enables
 Viewer you to display a .pdf, and allow the user to page through it and adjust the Zoom level.



New Use the Gauge widgets to display a variable value. Gauges are available in different shapes and styles. Use the gauge properties to customize the values and appearance of the gauge.





Import/ExportYou can now export I/O Data Tags into Excel, edit them, then importI/O tags tothem back into UniLogic via Import Export on the PLC ribbon.Excel



Find &The Find (Ctrl + F) and Find & Replace (Ctrl + H) utilities on the Edit tabReplaceenable you to quickly find and find and replace any tags that in yourTagsproject.

| Find and Replac | e Tags 🛛 🗮 🗙 |
|-----------------|--|
| ba Click | ing Replace replaces all tags in the "Look in" selection |
| Find what: | Set Titles |
| Replace with: | LOG |
| Look in: | Entire Solution |
| | Replace Close |

New Trend Widget: XY

In addition to the standard Trend graph widget, where the X axis is time, you can create a graph using the XY Trend widget. This enables you to define units such as millibar or degrees for the X axis.

| | Name | Is X axis | Color | | Curve Display Name | Units | Is Visible | Min Value | Max Value |
|---|-------------|-----------|-----------|---|--------------------|----------|------------|-----------|-----------|
| 0 | Temperature | | #FFFF0000 | * | Temperature | с | | #0 | #100 |
| 1 | Pressure | | #FF008000 | * | Pressure | millibar | 1 | #0 | #100 |
| 2 | Speed | | #FFFFFF00 | ~ | Speed | rpm | 2 | #0 | #100 |

Data TableYou can now adjust the Column width of Data Tables, either by entering a
value or manually adjusting them.

| Jazz | | | Ì | - | Edit | | Data Tables |
|-------------------|------|----------------------|---------------|---------------------------------------|-------|-----|----------------------------|
| # Coltrane Simone | | Gillespie | Holliday | _ | | Pro | operties Window 🛛 👻 🕂 🗙 |
| | Data | Table columns widths | configuration | | × | | Data Table1 [Data Table] 🔻 |
| | | 1 | | _ | | | 2↓ Search × |
| | # | Name | | · · · · · · · · · · · · · · · · · · · | Width | | Attributes |
| | 0 | Coltrane | | 1 | 70 | Γ | Columns (Collecti |
| | 1 | Simone | | : | 70 | | Data Table Jazz |
| STRUCTS | 2 | Gillespie | | : | 135 | | Read-Only |
| STRUCTS 🕨 Jazz | 3 | Holliday | | | 200 | | Selection 📕 #FFFFA 🔽 |
| Name Ty | | 1 | | | | | Tag: Selec <empty></empty> |
| Coltrane UINT8 | | | | | | | Tag: Selec <empty></empty> |
| | Ć |) Manual Drag and Dr | op | | · | | Tag: Selec <empty></empty> |
| | | Coltrane Simone | Gillespie I I | Holliday | | | Properties of Appearance |
| | | | i i | , | | | Opacity 100% |

Create File, After building a message, you can append it to a file it via the Append Insert into Buffer to File Function. This enables you to create .csv, .txt, and .bin. files. email Body

| Add New | Global Tag: | | | |
|----------------------------------|--|------|------------|-----------|
| Name: | Type: | Arr | ay: Format | |
| Buffer | BUFFER | ▼ 30 | Dec | |
| Description: Press to enter D | STRING-ASCII STRING-UTF-16 STRING-UTF-32 | | | |
| | BUFFER RTC Time RTC Date | | E Save | Add Close |

You can use .txt files as the body of an email.

| s II | mails × start up | |
|------------|---|---------------------------|
| a Accounts | Compose User File Email TXT Body | |
| mails | Go Back To: Emails | Toolbox |
| DT Emai | whiert #"liser File Fmail TXT Rody" | Search |
| Emai | | Æ Elements |
| - 14 | User File Email TX A LineBreak | A Fixed Text |
| | | Binary Text Variable |
| | A Sanding number 000 -00000 A LineBreak | List of Texts Variable |
| | | Number Variable |
| | | (A) Line break |
| | A LineBreak Attachments | Properties Windov |
| | | Main |
| | A Add New Attachment | Email Account Account1 |
| | A Sorry and Thanks, A L | To (Collectio |
| | # Source Folder Filename File type | Cc (Collectio |
| | Vebuda 🔥 🕺 🕺 Vebuda TXT (Body) | Bcc (Collectio |
| | Bin (Attachment) | |
| | CSV (Attachment | t) Attachments (Collectio |
| | A LineBreak TXT (Body) | |
| | TXT (Attachment | i) |

High-Speed The high-speed I/O module struct, UID-0808THS, now offers a Reset Counter Counter bit that you can use in your program to initialize the counter value. Reset

| IO 🕨 U | ID-0808THS_0 | | | |
|----------------|---------------------|-----------|----------------|---|
| ৎ | Name | | Туре | Description |
| | IO - Status | | UINT32 | I/O status code |
| đ | <u>Inputs</u> | | <u>BIT[07]</u> | Value of inputs (0 or 1) |
| | B1: Counter | | UINT32 | Counter value of High Speed Block |
| | B1: Frequency | | UINT32 | Frequency value (milliHz) of High Speed Block |
| đ | B1: Counter directi | <u>on</u> | BIT | Direction of counter in High Speed Block: 0 = Down, 1= Up |
| | B1: Status | | UINT8 | High Speed Block Status (0 = OK) |
| đ | Outputs | | BIT[07] | Value of outputs (0 or 1) |
| ф <u>В1: R</u> | <u>eset Counter</u> | BI | г | Reset Counter: 0 = Don't Reset, 1 = Reset. |

New I/P-Timer Keypad

The new keypad is attractively divided into fields. Navigate between the fields via arrows.



The EXF-RC15 is a stand-alone high-speed Remote I/O Module. It offers 9 digital inputs, 4 digital transistor outputs, and 2 relay outputs. Three EXF-RC15 inputs can be set via wiring and software to function as high-speed counters/shaft-encoders. The four transistor outputs may function as high-speed PWM/PTO outputs.

> You can include the EXF-RC15 by using files that are ported between VisiLogic and UniLogic.

Bug Fixes

Support

for

Numeric Box HMI element: Certain issues with the decimal point placement have been fixed.

Previous Versions

UniLogic 1.6.66, UniStream OS 1.6.13

Hardware Configuration



| Adapters to connect a UniStream [™] controller to a row of I/O modules |
|---|
| located on a DIN-rail. |
| Daisy-chain up to 5 Local I/O Expansion Adapters to one controller to |
| further increase the number of I/O modules up to 85. |

Additional Features

NewThis version supports 10 new languages: Ukrainian, Romanian,LanguagesHungarian, Georgian, Slovenian, Slovak, Serbian, Latvian, Lithuanian,
Estonian, Filipino and Swedish.

In addition, you can edit Language strings directly in the Language table.

| Langu | uages × Functio | n1 | | | |
|----------|-----------------|--------------|--------------|-------------------|----------------------|
| Spa | nish [Filter T | exts: All Te | xts] | | |
| 5 | Go Back To: La | nguages | | | |
| Search | 1 | | | | |
| | Module Name | Screen Name | Element Name | Default (English) | Spanish |
| | Module1 | Main | Button1 | Write to Table 🔶 | Escribir en la tabla |
| 4 | Module1 | Main | Button2 | Read from Table | Leer de la tabla |
| <u>.</u> | Module1 | Main | Button3 | Clear Table | Clear Table |

You can also export a Language file, translate or edit it in Excel, and then import it back into the project



Data Tables:Within UniLogic, you can now click on a Data Table cell to directly enterDirect Editor edit values.

| Main | Client Orders2 × | 1 📝 Fun | ction2 Fu | nction1 | | | • |
|------|------------------|--------------|----------------|----------------|-------------|--------------|-----|
| # | Client Name | | Order numt | Quantity Wi | Quantity Sm | Quantity Bli | Dat |
| 0 | Julius Caesa | ar | 0 | 0 | 0 | 0 | |
| 1 | | Data Table - | Cell Value | | | × | |
| 2 | | | | | | | |
| 3 | | -Online P | roperties — | | | | |
| 4 | | Type : ST | KING-ASCII | | | | |
| 5 | | Descripti | ion :Row 0, Co | olumn Client I | Name | | |
| | | Max Stri | ng Length :20 | | | | |
| | | Value | | | | | |
| | | "Julius Ca | esar" | | | | |
| | | | | | | | |
| | | | | ОК | Clos | se | |
| | | L | | | | | |

This version also supports Export and Import from Excel

| roject Edit PLC | Data Tables Help | 3 🍝 | |
|--|---|---|-----------|
| Export Table Create I template to Expel file from | Data Table Create Excel file n Excel file from Data Table file | Download Data Upload Data Table files to SD Table files from | a n SD |
| Save As | facel | Dausiand I laised To CD | x |
| | i/Stream 🔹 | 69 Search New folder | , |
| File name: | xyz I | | |
| Save as type: | Excel Files (*.als;*.alsa) | | |
| Browse Folders | | Save Can | cel |

HMI ScreenYou can select whether to Show Hourglass in a Screen'sJumpsProperties to display an hourglass during screen transitions.

• Displays now load faster.

FirmwareWhen you download a project, UniLogic now checks to see if theManagementfirmware in the controller is compatible with the UniLogic version.

In addition, the PLC tab on the program ribbon offers Firmware Management tools:

- The Firmware Manager which locates all firmware files on your PC.
- Update Firmware, which to connects to the Unitronics website and downloads any new firmware releases.

| port gs • | Ur Mani | Stream | | | | | |
|--------------|------------|--|----------------------------------|---|--|----------------------------|-----------|
| | * | Set RTC Reboot CPU | Management: UniS | tream Firmw | are Versions | | × |
| | | Initialize retained Taos | This sho | ws the list o | UniStream firm | ware versions the | hat you |
| | - | Debug + | the list d | eletes it from | your PC hard o | lrive. | 1 Irom |
| | 5 | Debug | Firmware | r nave on yo eletes it fron Version | Release | irive. Date | Trom |
| | | Debug | Firmware 1.6.7 | r nave on yo eletes it fron Version | Release 3/24/20 | lrive. Date | 1 from |
| | | Debug Firmware Manager Update Firmware | Firmware 1.6.7 | r have on yo eletes it fron Version | Release 3/24/20 2/02/20 | Date 114 114 | 1 from |
| | | Debug Firmware Manager Update Firmware | Firmware 1.6.7 1.6.5 1.6.0 | r have on yo eletes it fron Version | Release 3/24/20 2/02/20 3/24/20 | Date Date 114 113 | 1 Irom |

EthernetWhen you select Ethernet PC-PLC Communications, you can use IPFavoritesFavorites. This is a global file that is available in all of your UniLogic
projects.



| New | This version supports a number of new features: |
|------------------------|--|
| HMI Editor features | Apply Layout: Select multiple HMI elements of the same type, list of text/range, and then right-click to apply font, font alignment, and other attributes. |
| | Copy & Paste of object now retains the object's location. |
| | Changing font properties causes all future elements to use the new setting. |
| | Duplicate Screens via right-click on the screen in Solution Explorer. |
| | |
| Actions: Sounds | Actions now offer a System Sound Library. |
| Actions: Sounds | Actions now offer a System Sound Library. |
| Actions: Sounds | Actions now offer a System Sound Library. |
| Actions: Sounds | Actions now offer a System Sound Library. |
| Actions: Sounds | Actions now offer a System Sound Library. |

Keep lastWhen you establish PC-PLC communications, UniLogic will continue to
use the last communication channel you used, whether via Ethernet or
USB, for as long as that channel is valid. You can change the channel
by selecting Communications from the PLC tab on the ribbon.

New Ladder This version includes a number of new Ladder functions:

- Reset Numeric
- Set Date/Time from Ladder
- Copy Byte

Functions

- String compare 8-16-32
- Find and replace in array/buffer
- Swap: 16/32 bit tags
- Swap Array/Buffer

Data Tables Indexed Data Tables (DTIs) offer new Ladder functions:

- Find Value in DTI Column
 Finds a value in a column and writes the row index number into a data tag.
- Copy Array to Column in DTI Copies an array, or part of an array, into a specified column in a Data Table column.
- Copy DTI Column into Array Copies data from a Data Table column into an array.
- Copy Column to Column in DTI Reads data from one DTI column and writes it into another column. The columns may be in different Data Tables.
- Write value to DTI Column Writes values into a column in a DTI. You can use it to initialize a column.
- Find Values in DTI Row Searches a range of rows for data that matches the current contents of a struct.

In addition, you can find all locations where a Data Table is referenced by right-clicking the Data Table in the Solution Explorer.



Toggle OnlinePress F9 to toggle OnLine Mode on and off.**Test Mode**

StateThis button enables you to use the value of a register to display variableMachinetext within a button, and to drive multiple Actions via the button.Button

| Comment 🔍 | | - | Search | |
|------------------------|-----------------------|------|-------------------------|-----------------|
| | 0 | | ab Button | |
| | | | State Machine But | ton |
| | | | 4 User controls | |
| | | | Properties Window | ÷ 9 |
| | | | Button1 [State Maching] | ne Button] |
| | State 1 | | Disabled Color | #FFFFF8DC |
| | | | Image: Pressed State | Empty Image |
| Items | | x | Image: Release State | Empty Image |
| | | _ | Tag: Link | Emergency Code |
| | * | | Tag: Touch Enable\ | <empty></empty> |
| Add New Tex | | _ | Texts, List | (Collection) |
| Bitstream Vera Sa 💌 18 | - B / U A Apply All - | | Properties of Appearan | ice |
| | | | Background Fill Color | #FF212F44 |
| # Text | Actions | | Border Color | #FF808080 |
| 0 State 1 | (3 Actions) | | Border Thickness | 0 |
| 1 State 2 | (1 Actions) | | Opacity | 100% |
| | | | Style | Button1 |
| 2 State 3 | (4 Actions) | | Tag: Visibility | <empty></empty> |
| | | / II | | |

KeyboardA new system tag, Keyboard Bit is ON when the keyboard is displayed onon Screenthe UniStream Panel. Keyboard Bit is located in the System> General>
struct



| Download Media changes | As of this version, project media Audio files will download to SD card. Note that in older projects, audio was stored in Flash memory. When these projects are edited in this version and up, any previous audio files will continue to be stored in Flash; however any added audio files will download to SD card. |
|----------------------------------|---|
| Initial Values at Download | When you check Retain, you have the option of entering an Initial Value. If you: |
| | Enter a value, that value will be downloaded with the application first time the tag is downloaded to the PLC. |

• Do not enter a value, the tag value will be initialized to 0 the **first time** the tag is downloaded to the PLC.

Note that if you change a tag's Data Type, the tag will be initialized to 0 at download.

| Add New (| Global Tag: | | | | |
|----------------|----------------|----------|--------|---------|--------|
| Name: | Type: | | Array: | Format: | |
| Cabernet | UINT16 | ~ | Length | Dec | v 24 # |
| Initial Value: | Description: | | | | |
| Enter Value | Press to enter | Descript | sion | | |

RxYou can use the members of the struct of COM Modules, the CPU RS485**Terminator**port or the struct of the USB port (set to Serial Communications) to
monitor incoming strings for terminators such as length, silence, and ETX
characters.



Known Issue

Only one .gif may be placed on a screen. If there is more than one, UniLogic will display a compilation error.

UniLogic 1.5 Rev 3, UniStream OS 1.5.0, February 2014

Timer Preset Value Retained

Starting from this version, modified Timer Preset Values are retained whether they are edited via HMI entry or Ladder code.

Ladder Coil Element Modified

When viewing Ladder code at certain resolutions, some users had trouble differentiating the Contact elements from the Coil elements. The Coil element has been modified to make the difference clearer.

MODBUS Slave Action Text

Previously, the options were Read and Write. The options are now Read Only and Read/Write. Note that the actual functionality is unchanged, only the text has been modified.

| Coils Registers | | |
|-----------------|---------|------------|
| Tag | Address | Action |
| Temperature | 0 | Read Only |
| | | Read Only |
| | | Read/Write |

Hardware Configuration - High-speed Counter Block: Capture Counter

When you configure a High-speed block, setting the High-Speed Type to Counter And Scenario 1 shows a new property, Capture Counter. Use this to record the value of the high-speed counter in the other Block into a data tag in the I/O module's struct called Caught Counter Value.

This means that activating:

- Capture Counter in Block 1 will record the counter value in Block 2 into the tag B1-SC1: Caught Counter Value, as shown in the next image.
- Capture Counter in Block 2 will record the counter value in Block 1 into the tag B2-SC2: Caught Counter Value.

| 10 + UID-0808THS_0 | | High-speed block 1 | × | ULD-0808R |
|-------------------------------------|---------|-----------------------------------|------------------------|---|
| Name | h.Type | High speed block 1 | | T8080-010 W |
| P Inputs | BIT[07] | righ-speed block i | | UID-0808THS |
| B1: Counter | UINT32 | Property | Options | Properties Window > |
| BI: Frequency | UINT32 | High-Speed Type | Counter And Scenario 1 | Search K |
| B1: Counter direction | BIT | Interface | Pulse And Direction | 1-10 |
| III B1: Status | UINT8 | Count At | Riaing Edge | High-speed block 1 Counter And Scenario 1 |
| B1-SC-1: Occurrences counter | UINT32 | Direction Polarity | 0=1 | In t(0-3) Filter in marc. 8 |
| B1-SC-1: Caught Counter value | UINT32 | Frequency-Mosewoment interval (in | 1 | Input(4-7) Filter in msec 8 |
| B1-SC-1: Started | BIT | Trigger on input | Fall | |
| B1-SC-1: Ended | BIT | Capture Counter | True | |
| B2: Counter | UINT32 | Use Port Filter | True | 1 |
| B2) Frequency | UINT32 | Scenario 1 | | |
| D 82: Counter direction | BIT | | | |
| B2: Status | UINTS | Input 3 | | |
| B2-SC-1: Occurrences counter | UINT32 | | | |
| B2-SC-1: Caught Counter value | UINT32 | Delay in to | Delay to | |
| B2-SC-1: Started | BIT | Output 0 | | |
| 1 82-SC-1: Ended | BIT | | | |
| D Qutputs | BIT1071 | | Close | 1 |
| B1-SC-1: Delay in-to-out Activation | UINT32 | | | |

Bug Fixes: Fixed in the Current Version

COM Module UAC-02-RS2, Modem

In certain cases, the Modem port setting did not work.

UniLogic 1.4 Rev 3, UniStream OS 1.4, Rev 1, January 2014 HMI Element Numeric Box: New

- Features
 - Text After
 - Timer Format
 - Number of Digits to Display
- Leading Zeros
- Convenient Special Characters for Text After

| | -99999 | P | Numeric elements Numeric Box roperties Window Numeric Box1 [Numeric Box1] | s umeric Box] | , 4 × | | |
|----------------------------|----------------------------------|---|--|------------------|--------------|-----------|---|
| Number Format | × | | Format Numeral | (Format) | ··· · | | |
| Define the variable fo | rmat and structure | r | Numeric Value | CVd_Graph | R | | |
| Property | Options | h | Read-Only | | | | ſ |
| Base Format | Decimal, show only negative sign | | Tag: Data Entry | <empty></empty> | | O | ļ |
| Decimal Point Location | 0 | | Tag: Enable Dat | <empty></empty> | (d) | f | ĺ |
| Number Of Digit To Display | All | | Tag: Maximum | <empty></empty> | Ľ | ك | |
| Thousands Separator | Do not use Senarator | | Tag: Minimum | <empty></empty> | « | » | |
| Thousands Separator | Do not use separator | 0 | Properties of Appe | arance | | \square | |
| Leading | No Leading | | Background Fill | #FFFFFFF | 1/. | 1/2 | ĺ |
| | No Leading | | Border Color | #FF808080 | 74 | 72 | |
| | Leading Zeros | | Border Thickness | 2 | | | |

HMI Timer Box Widget

Time and Date widgets now include Timer.



Schedule Widgets

Use the HMI schedule widgets to display Schedule times from the Schedule struct. You can also enable a user to enter Hour time data.

| Enter Explicit Name to look f | or | 9 | | Analog Schedule | | |
|-------------------------------|-------------------|-----------------|-----|---------------------------|------------------|---|
| Global 🕨 Schedule A | | | • | 🚥 Digital Schedule | | 4 |
| Name 🔦 | Туре | 00.00.00 | Pro | perties Window | 🗕 🔶 🔶 | > |
| Day Of Month | BIT[030] | • •••• • | - | Digital Schedule1 (Digita | al Schedule] | |
| Day Of Week | BIT[06] | 42 | | ≵↓ Search | | × |
| From Hour | UINT8[02] | | 0 | Attributes | | 4 |
| From Year | UINT16 | | | Hours 12\24 Format | H24 - | |
| Month | BIT[011] | | | Read-Only | | |
| To Hour | UINT81021 | | | Schedule Type | From Hour 🔹 | |
| <u></u> | <u>onregonici</u> | 6 Guine | | Tag: Data Entry Compl | Data Arrived Bit | |

Data Tables: HMI Widget Editing Mode

Four new parameters enable you to:

- Highlight the selected row
- Record the column and row of the current selection
- Record which array member is currently selected

| | Data Table1 [Data Table] | |
|---|----------------------------------|-------------|
| Ξ | Attributes | |
| | Data Table | My Table |
| | Read-Only | |
| | Selection background | #FFFFA50 |
| | Tag: Selected Array member index | My DT Array |
| | Tag: Selected Column index | DT Column |
| | Tag: Selected Row index | DT Row |

| | | Initro | nics | 🧐 🎉 Ciri | % % | | | | | |
|-------------------------|---|--------|----------|----------|---------------|----------|----------|-------|---------|---------------------|
| | | My | Table |] | | Edit | Dn | | | |
| | | | Column A | Column B | Му Аттау | 18- | | | | |
| | | 0 | | 0 | [0, 0,] | M) Table | My Array | | | |
| | | 1 | | 0 | [0, 0,] | | | My Ar | ray [5] | |
| | - | 2 | | 5 | [0, 0,] | • | | 22 | 4 | $\langle X \rangle$ |
| | | 3 | | 1 | [0, 0,] | 1 | 1 | 2 | 3 | Cancel |
| DT Row INT16 2 Dec | | 4 | | 6 | [0, 0,] | 2 | 4 | 5 | 6 | Î |
| My DT Array INT16 5 Dec | | 5 | 0 | U | (U, U,) | 3 | 7 | 0 | 9 | Ok |
| | | | | | | | 0 | • | • | |

Remove Unused Tags

Click this on the PLC tab to remove unused Global and Timer tags.



Passwords: View Typed Characters

You can reveal the just-typed characters in:

- UniLogic Password Manager, by clicking the 'eye' icon.
- In UniApps, by touching the 'Eye' icon.

| UniA | pps Administrator Password |
|------------------|--|
| | UniApps Administrator UniApps Administrator Password. Full access, read/write Not Protected |
| UniLogic | |
| Set UniApps I | Master password - Between 4 and 8 characters required |
| Password | •••• • |
| Confirm Password | |



UniApps: Improved SD Browser Interface

The browser now offers a slider and colors for easier navigation.

| UNITRONICS' | | SD Bro | wser | 11:27:21 AM | 06 Jan 201 |
|---|----|------------|------|-------------|------------|
| Samples | ₽ | ata Tables | | | |
| A A A A | SD | X = M | | рок | |
| DS1 | | 1.3 МВ | | | |
| PID | | 2.4 KB | | | |
| PIDHisto | | 80.1 KB | | | |
| PumpLog | | 846.7 KB | | | |

Save as XP

Use this option if you have written your project on a PC running Windows 7, but want to ensure that it can be edited on a PC running Windows XP.

This services the Known Issue

Windows Versions and UniLogic Project Issues

documented in the previous version, UniLogic 1.2.5.

| 🔍 🗋 📽 🔒 🗸 HMI Scre | en |
|----------------------------|------------------------------|
| Project Edit PLC HMI | Help |
| New New (pre-defined tags) | Save Solution As |
| 🚰 Open | Save As with Media |
| 🛓 Recent | Sava As without Madia |
| ave Save | Save As without iviedia |
| 🗖 Save As | Save as a Windows XP project |

Bug Fixes

Turkish Regional Setting

When Format settings (typically Control Panel>Clock, Language, and Region> Region and Language> Format) were set to Turkish (Turkey Format), certain actions such as Delete or Copy caused the program to close.

Struct/Array Editing Issue

When the user created a Struct or Array, edited the entity name, and then saved the project, the struct or array would not load or compile correctly.

UniLogic 1.2.5, UniStream OS 1.2.2 December, 2013

Chinese Support

HMI Text Elements now support Chinese characters.



Download without Reset

Certain program changes will no longer require reset after download.

Mouse: Plug-and-play

Plug a mouse into a panel USB port to operate the screen via mouse.

<u>Formula</u>

Use Formula to build mathematical expressions, save them, and use them throughout your program.



New HMI Element: Password Widget

You can insert a Password HMI widget that requires operators to enter a password via the controller's keyboard. When the user touches it, the virtual keypad appears, enabling the user to enter the password. Via HMI Actions, you can drive a number of tasks according to the result.

FTP Client/Server

Configure a UniStream controller as FTP Server and/or Client. Use the Ladder elements COM>FTP to receive and send files.

VNC Client: New HMI Action

Enable UniStream controllers to access other UniStream controllers.

Use the HMI action Load VNC Connection to display another UniStream controller screen on its screen.



New Touch Events System Operands

"Touched Bit" is ON while the touch screen is actually being touched.

| System 🕨 General | |
|------------------|--------|
| Name | Туре |
| Touched Bit | BIT |
| Coordinate X | UINT32 |
| 🔚 Coordinate Y | UINT32 |

High-Speed I/Os: Embedded Scenarios

| New scenarios make it easy to select the appropriate configuration for your | High-speed block 1 | |
|--|---|------------|
| application. | Property | Options |
| | High-Speed Type | Scenario 1 |
| | Trigger on input | Rise |
| | Use Port Filter | True |
| | Scenario 1 Input 0 Delay in to Output 0 Delay in to Out deactivation Out deactivation | |

Simplified OS update from UniLogic

From this version on, UniLogic diagnoses when the UniStream OS is outdated. UniLogic then prompts you to plug a USB stick into your PC to download an updated OS, which you can then install into the controller.

Update from the Web

The Help tab contains new options for updating BIN and Help files



Ladder/HMI Library-Reuse your work

UniLogic now includes a global library that is accessible from the Solution Explorer. Any Ladder Function and HMI Screen you place here will be available for use in all UniLogic projects.

MODBUS via Ladder Utility

By default, MODBUS is set to run operations periodically. You can now run operations according to Ladder function, using the Ladder element MODBUS Aperiodic (Ladder Triggered).

RS485 via Panel or via the CPU

You can configure the serial port on the CPU:

- To run MODBUS, via the panel.
- To run Serial communications for serial devices via the CPU.



VNC Server: supports multi clients

VNC server now supports multiple clients, such as smartphones.

UniApps Download Signature History

View the download UNITRONICS' About 03:29:45 PM 01 Dec 201 history by accessing I/O Units Unilogic App Legal Info Components Software Hardware UniApps>System>Ab out> UniLogic Apps Component Name Version tab. 1.0.0 Rev.649,Nov-11-2013,06:32:00 Unilogic Apps always Empty UniStream_070_Password_Access 1.0.0 Rev.669, Nov-18-2013, 14:00:39 Stream 7 Demo ApplicationWITH User Contro 1.0.0 Rev.669, Nov-19-2013, 11:30:15 r iStream 7 Demo Applicationplus User Contro 1.0.0 Rev.669, Nov-19-2013, 12:13:49 r iStream 7 Demo Applicationplus User Contro 1.0.0 Rev.669,Nov-19-2013,13:00:11 riStream 7 Demo Applicationplus User Contro 1.0.0 Rev.669.Nov-19-2013.13:45:34 riStream 7 Demo Applicationplus User Contro 1.0.0 Rev.669.Nov-19-2013.14:07:19 System Memory Network Utilities

Remote I/Os: Now supports up to 8 adapters

UniStream can now support up to 8 to 8 EX-RC1 expansion adaptors; each adaptor can support up to 8 I/O modules.



Export/Import Module

Right-click on a Ladder Module and select import or export it with all functions, or an HMI module to import or export it with all of its screens.

Bug Fixes

Display Initial Values for Display

When entering an HMI screen, there was a short delay before the Image elements refreshed to show the actual state.

Export/Import

Issues relating to tags have been fixed.

Known Issues

Windows Versions and UniLogic Project Issues

The UniLogic installation uses different databases:

- Windows XP uses SQL 2008
- Window 7 and up use an internal database.

This causes issues when porting complete UniLogic projects, individual Ladder functions (UDFBs), and HMI screens:

- Opening a project that was written in Windows 7 (or later)in Windows XP will cause UniLogic to shut down.
- Trying to upload a project into XP that was downloaded using Windows 7 (or later)
- Importing Ladder functions and HMI screens that were written in Windows 7 (or later)in Windows XP will cause UniLogic to shut down.