



V-SFT Ver. 6.2.0.0 Update Information

	V10 NEW!	V9	TSi/TS	V8i(N)/V8(N)	X1
System program	Ver. 1.000	Ver. 2.800	Ver. 2.420	Ver. 2.390	Ver. 1.500 ^{*2}
OS	Ver. 1.00 ^{*1}	Ver. 4.80 ^{*1}			

^{*1} Storage is necessary for updating.

^{*2} Please download the X1 update program from our website. For the update procedure, refer to the "Update Procedure" provided with the update program.

Connection

1 Additional connectable device: XINJE XD Series (MODBUS RTU)

Applicable model: V10, V9, TSi/TS, X1

Device: XINJE XD Series (MODBUS RTU)

Function

1 USB camera: Extended specifications

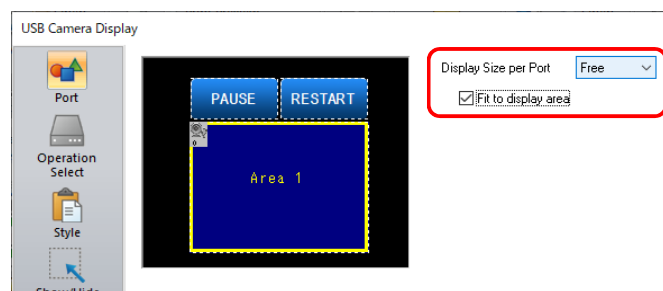
Applicable model: V10, V9

^{*} V9101iW, V9071iW (capacitive type switch) not supported

■ Display area: Free

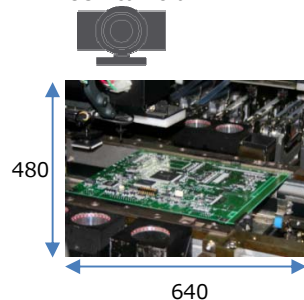
<Overview>

The display area of the camera can be set to free size.
By selecting the [Fit to display area] checkbox, the camera image can be displayed to fit the screen layout.
(If not selected, displayed in actual size)



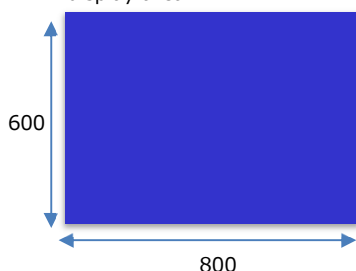
<Example display>

USB camera



Unit: dots

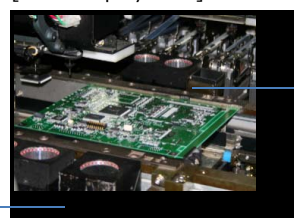
When showing in the following display area:



[Fit to display area] selected



[Fit to display area]: Deselected



Blank parts of the display area are displayed in black.

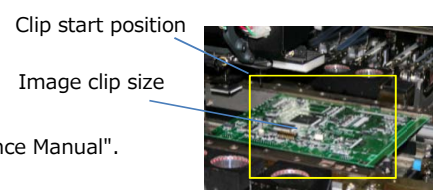
■ Macro commands: Clip start position, image clip size

<Overview>

Macro commands can be used to clip a section from the camera image and display it.

<Macro commands>

- USBCAM CLIP_POS (Clip start position) ^{*} For details, refer to the "Macro Reference Manual".
- USBCAM CLIP_SIZE (Image clip size)
- USBCAM MEMORY (Device memory designation F1=8: CLIP_POS, F1=9: CLIP_SIZE)



Function

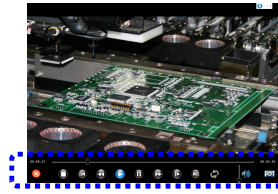
2 Video player: Extended specifications

Applicable model: V10, V9

<Overview>

Playback of videos by moving back/forward by frames is possible.

This is available only when the video is paused.



The play and stop buttons are now separate buttons.



Previous frame (goes back by 2 seconds)

Next frame

* Invalid 3 seconds before end of video

(goes forward by 2 seconds)

3 E-mail notification: Extended specifications

■ Encrypted transmission supporting TLS 1.3/1.2

Applicable model: V10, V9, TSi

<Correspondence table>

	TLS 1.3	TLS 1.2	TLS 1.1
V10	○ NEW!	○ NEW!	○
V9	×	○ NEW!	○
TSi	○ NEW!	○ NEW!	○ NEW!

■ TSi: Supporting STARTTLS encryption

Applicable model: TSi

* This function is already supported on the V10 and V9 series.

* For details such as operation-verified mail servers, refer to the following.

- V10/V9 Series Reference Manual 2
- TS2060/TS1000 Smart Reference Manual 2

4 X1 internal storage: Outputting remaining space to \$s2025, \$s2026

Applicable model: X1

<Overview>

The remaining space of internal storage of the X1 series unit can be output to \$s2025 and \$s2026 for viewing in RUN mode.

<Details of capacity available to users>

\$s	Internal storage	Folder	Capacity
\$s2025 NEW !	System area	Non-user area	34 GB
	User area	Write filter applicable area	15 GB
\$s2026 NEW !		Write filter non-applicable area	15 GB
		• C:\MONITOUCH\X1\0 folder • C:\MONITOUCH\X1\1 folder • C:\MONITOUCH\X1\opcua folder • C:\UserData folder	



Unit: MB

Updated once every 60 seconds

1 MONITOUCH V10 series supported

<Overview>

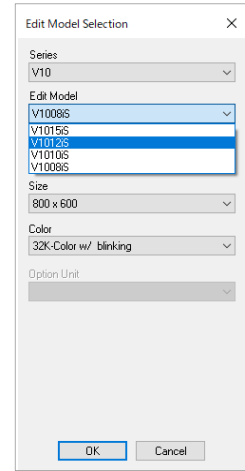
Configuration and transfer of screen programs for the new V10 series MONITOUCH is supported.

The extension of the V10 screen program is "*.V10".

Screen programs configured for the V9 series and before can be converted for use on the V10 series.

The V10 series is an HMI that achieves outstanding high speed!

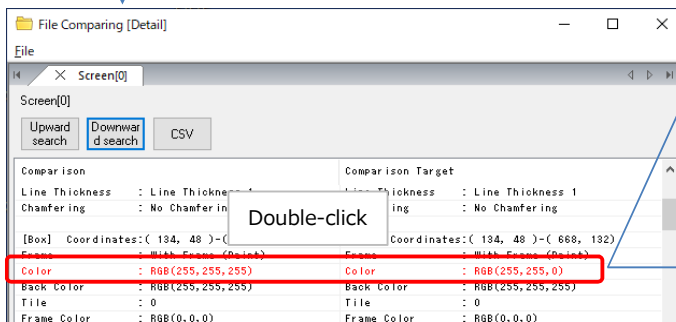
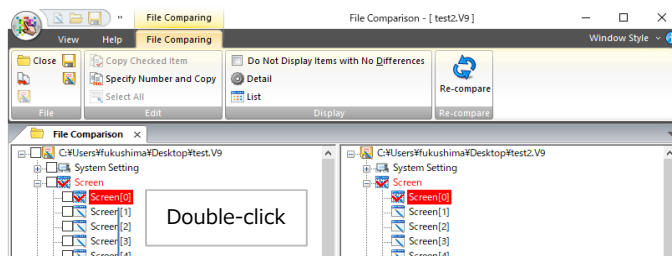
**For details, access <https://monitouch.fujielectric.com/>
Please try out its high performance!**



2 File comparison: Editing of the comparison source

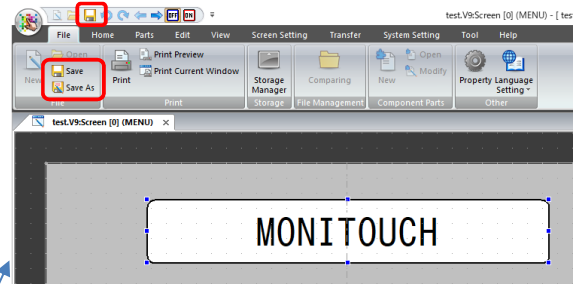
<Overview>

The [Detail] window showing text comparison results can be used to display both the comparison source and target screen programs, allowing editing and saving of both.



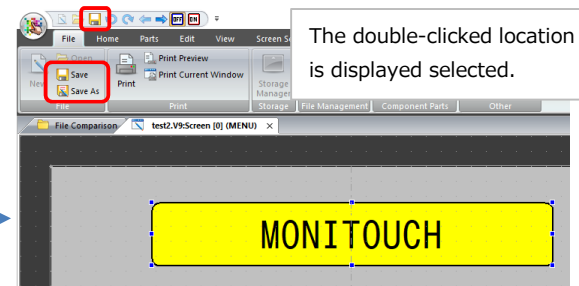
Comparison target screen program

(displayed in same window as [File Comparing] tab window)



Comparison source screen program

(displayed in separate window)



The double-clicked location is displayed selected.

3 Message edit: Multi-language copy

<Overview>

For a multi-language screen program, the content of the message edit window can be copied and pasted for all languages at one time. Since there is no need to copy one language at a time, configuration time can be reduced.

<Setting location>

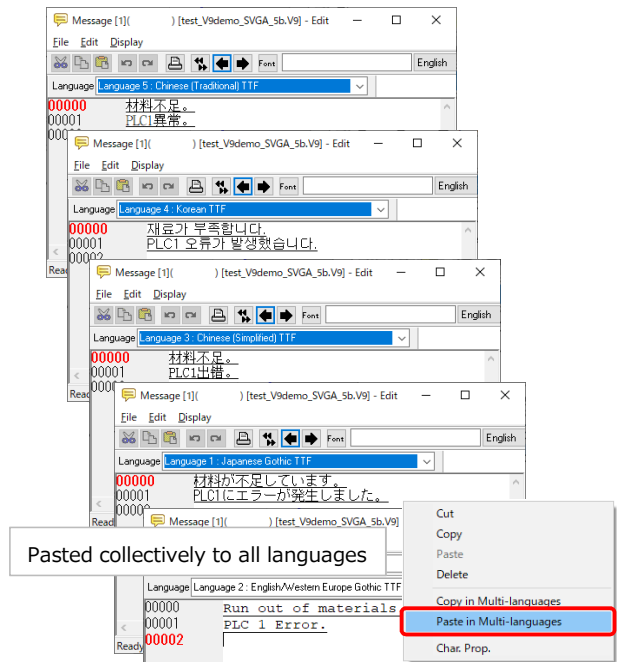
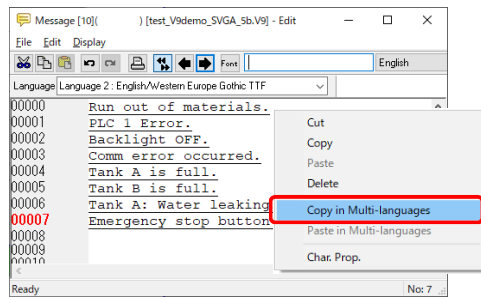
[Home] → [Registration Item] → [Message] → [Copy in Multi-languages] and [Paste in Multi-languages]

<Usage example>

Language 1: Japanese
Language 2: English
Language 3: Chinese (Simplified)
Language 4: Korean
Language 5: Chinese (Traditional)

<Note>

The [Undo] command cannot be used after multi-language pasting.



4 Tag-related specification improvements

■ Batch changing of tags

<Overview>

The [Batch Change Device (Tag)] window displays a list of tags that are used, and can be used to directly edit the device memory type and array element number of a tag name. Since the device memory type and array element number of the same tag name are all updated together, this function is convenient if the tag is used in multiple locations.

For example, if there is a need to shift the array element number, just change the top element number and the change will be reflected to all subsequent numbers.

The range for applying changes can be specified from the [Option] button.

<Usage example>

Changing the element number of an array

Batch Change Device (Tag)

Before Change	After Change	Comment	Location
PLC1\dataC[0]0.0	PLC1\dataC[0]2.0	SW 00000	Screen[0] Switch
PLC1\dataC[0]0.2	PLC1\dataC[0]2.2	SW 00000	Screen[0] Switch
PLC1\dataC[0]0.4	PLC1\dataC[0]2.4	SW 00000	Screen[0] Switch
PLC1\dataC[0]0.6	PLC1\dataC[0]2.6	SW 00000	Screen[0] Switch
PLC1\dataC[0]0.8	PLC1\dataC[0]2.8	SW 00000	Screen[0] Switch
PLC1\dataC[0]1.0	PLC1\dataC[0]2.10	SW 00000	Screen[0] Switch
PLC1\dataC[0]1.2	PLC1\dataC[0]2.12	SW 00000	Screen[0] Switch
PLC1\dataC[0]1.4	PLC1\dataC[0]2.14	SW 00000	Screen[0] Switch
PLC1\dataC[0]1.6	PLC1\dataC[0]2.16	SW 00000	Screen[0] Switch
PLC1\dataC[0]1.8	PLC1\dataC[0]2.18	SW 00000	Screen[0] Switch
PLC1\dataC[0]2.0	PLC1\dataC[0]2.20	SW 00000	Screen[0] Switch
PLC1\dataC[0]2.2	PLC1\dataC[0]2.22	SW 00000	Screen[0] Switch
PLC1\dataC[0]2.4	PLC1\dataC[0]2.24	SW 00000	Screen[0] Switch
PLC1\dataC[0]2.6	PLC1\dataC[0]2.26	SW 00000	Screen[0] Switch
PLC1\dataC[0]2.8	PLC1\dataC[0]2.28	SW 00000	Screen[0] Switch
PLC1\dataC[0]3.0	PLC1\dataC[0]2.30	SW 00000	Screen[0] Switch
PLC1\dataC[0]3.2	PLC1\dataC[0]2.32	SW 00000	Screen[0] Switch
PLC1\dataC[0]3.4	PLC1\dataC[0]2.34	SW 00000	Screen[0] Switch
PLC1\dataC[0]3.6	PLC1\dataC[0]2.36	SW 00000	Screen[0] Switch
PLC1\dataC[0]3.8	PLC1\dataC[0]2.38	SW 00000	Screen[0] Switch
PLC1\dataC[0]4.0	PLC1\dataC[0]2.40	SW 00000	Screen[0] Switch
PLC1\dataC[0]4.2	PLC1\dataC[0]2.42	SW 00000	Screen[0] Switch
PLC1\dataC[0]4.4	PLC1\dataC[0]2.44	SW 00000	Screen[0] Switch
PLC1\dataC[0]4.6	PLC1\dataC[0]2.46	SW 00000	Screen[0] Switch
PLC1\dataC[0]4.8	PLC1\dataC[0]2.48	SW 00000	Screen[0] Switch
PLC1\dataC[0]5.0	PLC1\dataC[0]2.50	SW 00000	Screen[0] Switch
PLC1\dataC[0]5.2	PLC1\dataC[0]2.52	SW 00000	Screen[0] Switch
PLC1\dataC[0]5.4	PLC1\dataC[0]2.54	SW 00000	Screen[0] Switch
PLC1\dataC[0]5.6	PLC1\dataC[0]2.56	SW 00000	Screen[0] Switch
PLC1\dataC[0]5.8	PLC1\dataC[0]2.58	SW 00000	Screen[0] Switch
PLC1\dataC[0]6.0	PLC1\dataC[0]2.60	SW 00000	Screen[0] Switch
PLC1\dataC[0]6.2	PLC1\dataC[0]2.62	SW 00000	Screen[0] Switch
PLC1\dataC[0]6.4	PLC1\dataC[0]2.64	SW 00000	Screen[0] Switch
PLC1\dataC[0]6.6	PLC1\dataC[0]2.66	SW 00000	Screen[0] Switch
PLC1\dataC[0]6.8	PLC1\dataC[0]2.68	SW 00000	Screen[0] Switch
PLC1\dataC[0]7.0	PLC1\dataC[0]2.70	SW 00000	Screen[0] Switch
PLC1\dataC[0]7.2	PLC1\dataC[0]2.72	SW 00000	Screen[0] Switch
PLC1\dataC[0]7.4	PLC1\dataC[0]2.74	SW 00000	Screen[0] Switch
PLC1\dataC[0]7.6	PLC1\dataC[0]2.76	SW 00000	Screen[0] Switch
PLC1\dataC[0]7.8	PLC1\dataC[0]2.78	SW 00000	Screen[0] Switch
PLC1\dataC[0]8.0	PLC1\dataC[0]2.80	SW 00000	Screen[0] Switch
PLC1\dataC[0]8.2	PLC1\dataC[0]2.82	SW 00000	Screen[0] Switch
PLC1\dataC[0]8.4	PLC1\dataC[0]2.84	SW 00000	Screen[0] Switch
PLC1\dataC[0]8.6	PLC1\dataC[0]2.86	SW 00000	Screen[0] Switch
PLC1\dataC[0]8.8	PLC1\dataC[0]2.88	SW 00000	Screen[0] Switch
PLC1\dataC[0]9.0	PLC1\dataC[0]2.90	SW 00000	Screen[0] Switch
PLC1\dataC[0]9.2	PLC1\dataC[0]2.92	SW 00000	Screen[0] Switch
PLC1\dataC[0]9.4	PLC1\dataC[0]2.94	SW 00000	Screen[0] Switch
PLC1\dataC[0]9.6	PLC1\dataC[0]2.96	SW 00000	Screen[0] Switch
PLC1\dataC[0]9.8	PLC1\dataC[0]2.98	SW 00000	Screen[0] Switch
PLC1\dataC[0]10.0	PLC1\dataC[0]3.00	SW 00000	Screen[0] Switch
PLC1\dataC[0]10.2	PLC1\dataC[0]3.02	SW 00000	Screen[0] Switch
PLC1\dataC[0]10.4	PLC1\dataC[0]3.04	SW 00000	Screen[0] Switch
PLC1\dataC[0]10.6	PLC1\dataC[0]3.06	SW 00000	Screen[0] Switch
PLC1\dataC[0]10.8	PLC1\dataC[0]3.08	SW 00000	Screen[0] Switch
PLC1\dataC[0]11.0	PLC1\dataC[0]3.10	SW 00000	Screen[0] Switch
PLC1\dataC[0]11.2	PLC1\dataC[0]3.12	SW 00000	Screen[0] Switch

Same tag

Array element No. changed from [0] to [2]

Option...

<Applicable devices>

- OMRON: N series (EtherNet/IP)
- Siemens: S7-1200/1500 Tag (Ethernet ISOTCP)
- Siemens: S7-1200/1500 Optimized Tag (Ethernet ISOTCP)
- Allen-Bradley: ControlLogix/CompactLogix tag
- Allen-Bradley: ControlLogix/CompactLogix Tag (Ethernet TCP/IP)
- Allen-Bradley: Micro800 Controllers Tag
- Allen-Bradley: Micro800 Controllers Tag (Ethernet TCP/IP)
- BECKHOFF: Tag ADS Protocol (Ethernet)
- 3S-Smart Software Solutions: CODESYS V3 (Ethernet)

<Setting location>

- [Tool] → [Device] → [Batch Tag Change] or [Selected Item's Tag]
- Right-click menu of selected item → [Change Device (Tag)]

Change Item Select

Item	Start	End
Screen	0	9999
Macro Block	0	1023
Data Block	0	1023
Overlap Library	0	9999
Data Sheet	0	1023
Screen Library	0	9999
Device Memory	0	9999
MR4000 F	0	9999
Modbus Slave Table	0	1023
System Setting	0	1023
Recipe	0	1023
Scheduler	0	1023
Alarm Block	0	11
Logging Block	0	11
IoT Setting	0	11
Device Table	0	11

Specify the target range.

■ Multi copy: Structure, array element No.

<Overview>

When batch copying tags, the tag structure and array element number can be incremented.

<Applicable devices>

Same as "■ Batch changing of tags"

Multi Copy

Direction: [Dot] [Line/Column] [Interval] [Pitch]

Quantity X: 1

Quantity Y: 1

Target: Member

Step: 1

Editor

■ Deleting unused tags

<Overview>

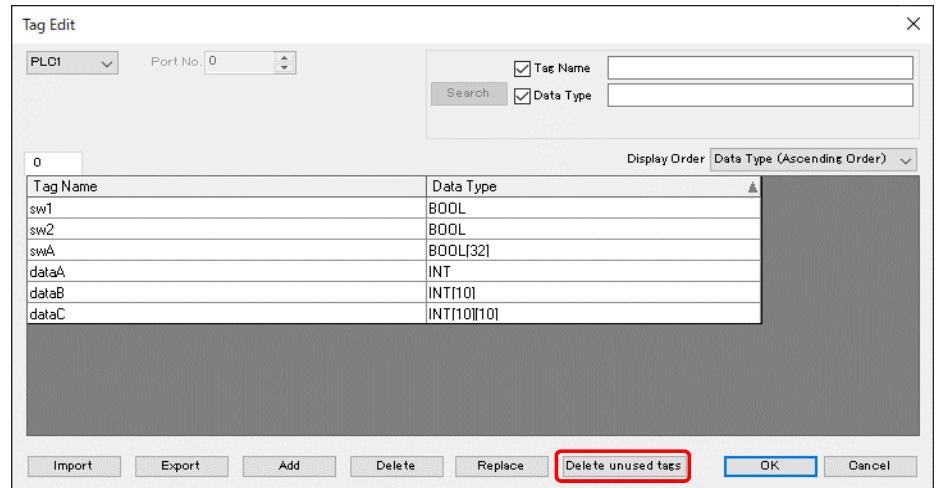
Tags that are not used in the screen program can be batch deleted from the tag list.

<Applicable devices>

Same as "■ Batch changing of tags"

<Note>

Tags cannot be restored after deleted. If necessary, reimport them.



■ Siemens: Filter function for importing tags

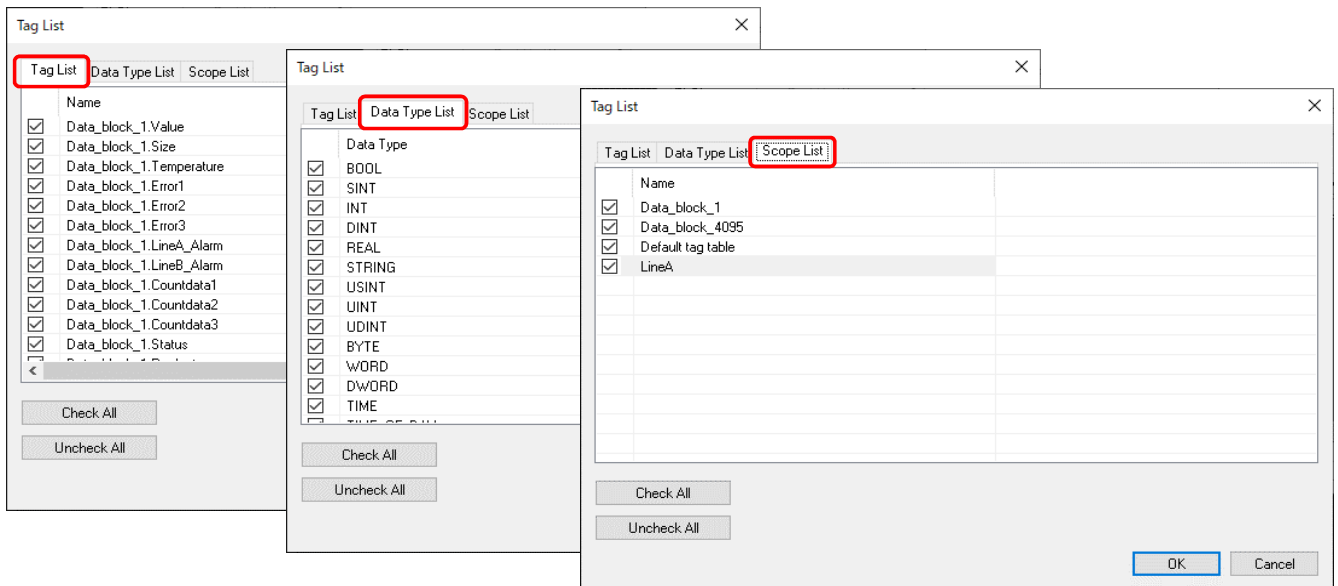
<Overview>

Tags can be filtered when importing into a screen program. There are three filter categories, and the selected tags in each category are imported by the AND condition.

<Applicable devices>

- Siemens: S7-1200/1500 Tag (Ethernet ISOTCP)
- Siemens: S7-1200/1500 Optimized Tag (Ethernet ISOTCP)

Example: Siemens: S7-1200/1500 Optimized Tag (Ethernet ISOTCP)



Other

1 Improvement of X1 series display at startup (indicator display)

Applicable model: X1

<Overview>

When the power is turned on, an indicator is displayed at the center of the screen so that the operator can tell at a glance that the unit is starting up.