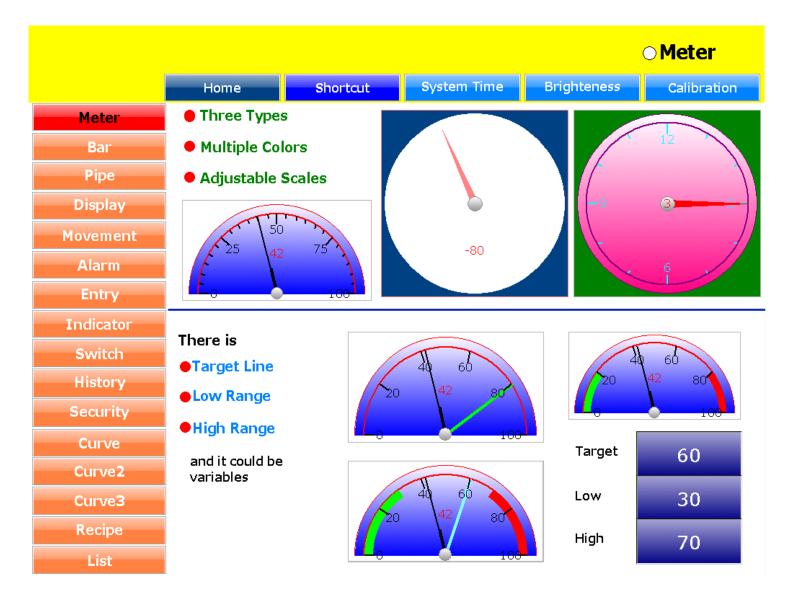
Introduction for DOPSoft V2.00.04 new function





Change Default Screen for DOP-B and DOP-W



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- ☑ Multi-language is only support DOP-W Series.
- Into <u>Options</u> > <u>Multi-Lang Setting</u>, enable this function and select wanted language. Also create <u>Input</u> > <u>Multi-Lang Input element</u>, after download then it could use this function.
- ☑ Multi-Language is not support online and offline simulators.

Options Window Help					Paste		
Configuration					Button	•	
Communication Setting	_					- L	
<u>A</u> larm Setup							
History Buffer Setup	Multi-Lang Settings				- 19ai	1	
Password setting				_ 🗔	Pipe	->-	
<u>T</u> ag Table	E Factor				Pie	- F	
Print Typesetting	Enable				Indicator	- F	
Sound Setting	Support Langs				n		
Real Time Clock Setting				123	1 2	1	
Video Lists Output Setting		Japan	Spanish 📃		Graphic	⇒J	
Multi-Lang Setting	Traditional Chinese	Korean	Portuguese	N	Input		Numeric Entry
HMI Identifier Setting	Simplified Chinese	Thai					A Character Entry
Global KeyPad Setting	French	India			Courte		
FileSlot File Management	French				Sampling		B Barcode
DeviceTable	German	Turkish			Alarm	· •	N Multi-Lang Input
Recipe	Russian	Arabic			Keypad	- F T	
32 bits recipe	Hebrew	Persian				- F	
Enhanced Recipe		1 erstatt				- F	
Picture Bank				rxyz			
<u>T</u> ext Bank			OK. Cancel		Frame	1	
Submacro				- 🛯 😂	Basic Shape	- 1	
Initial Macro					Drawing	- F	
Background Macro				~~	Multimedia	- F	
<u>C</u> lock Macro					TVIDITILICUIA		
Environment							



ffmpeg Tool

- ☑ ffmpeg tool only support at Video element with DOP-W.
- ☑ User could via export video to USB and SD, and then set resolutions with default 320x240. The resolution is support to 640x480.
- ☑ Video elements support format is WMV.

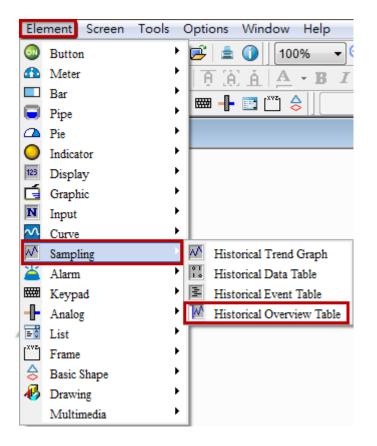
Video	Lists Output Se	etting		×
Vid	leo List			
п	D Save Loca	Video Name	Source	Add
1	USB	9600	D:\HMI\WMV file\9600.wmv	
2	USB	115200	D:\HMI\WMV file\115200.wmv	Delete
3	USB	Timer	D:\HMI\WMV file\Timer.wmv	Selete
4	USB	Tom1	D:\HMI\WMV file\Tom1.wmv	
5		Tom2	D:\HMI\WMV file\Tom2.wmv	
6	USB	iPad	E:\MOV02418.wmv	
			Width 320 Height 240 OK	ixport
			OK Canc	æl

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Historical Overview Table

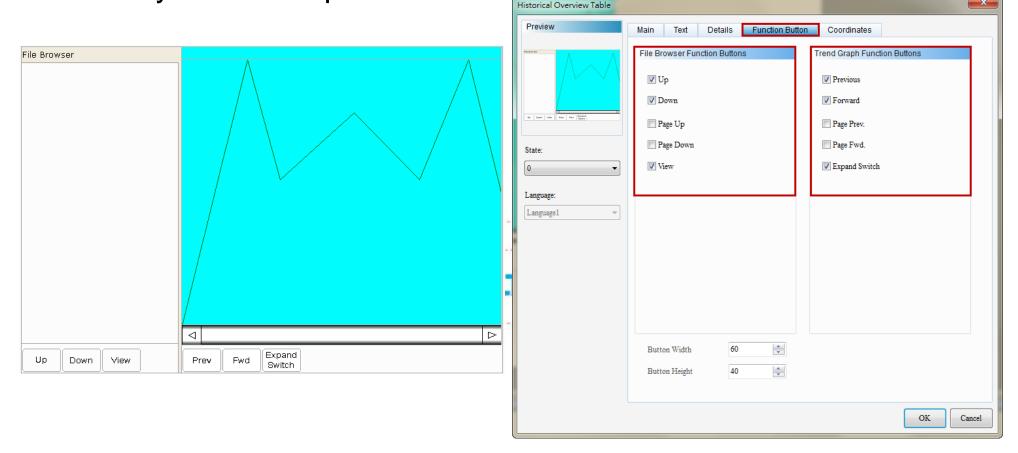
Select Element > Sampling > Historical Overview Table





Historical Overview Table

Historical Overview Table is only different that it has file browser and function button to operate and view passed history data with History Trend Graph.





Historical Overview Table

Historical Overview Table provide Save as Multi-page and Saving Trigger function.

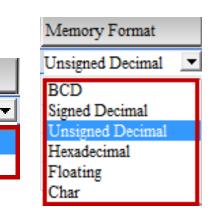
Buffer Properties	×	Only set Non-volatile
Sampling	File Output	to USB Disk or SD, then
Address \$100 Data Length (Word) 1 Sample Number 10	 ✓ Non-volatile USB Disk ✓ Auto Stop ✓ Export CSV File Field Name 	could use Save as Multi- page function
Trigger	Save As Single File Name H0001	
 Sample cycle (ms) 100 Custom cycle (ms)	 I be runno I be runno	When Saving Trigger is on, no matter sample number achieve or not, it will save history data immediately.
Date Format mm/dd/yy +	Saving Trigger None 🛄	
	OK Cancel	



Enhance Recipe

- Enhance Recipe supported data type is Word or Double Word and its data format can be BCD, Signed Decimal, Unsigned Decimal, Hex, Floating and Char.
- ☑ The read length of Char format can up to 32 Words (is equal to 64 bits).

Configuration				x
	Control Block		Status Block	
Main	Control Address {Link2}1@D0		Status Address {Link2}1@D10	
Control Block	Screen No		General Control	
	General Control		Screen No	
Print	Curve Control		Curve Control	
	Sampling History Buffer		Sampling History Buffer	
	Clearing History Buffer		Clearing History Buffer	
Default	Recipe Control		Recipe Control	
S.	Recipe Group Number		Recipe Group Number	
Others	System Control		System Control	
D	Enhanced Recipe Control D0		Enhanced Recipe Control D10	
Network App	V Enhanced Recipe Group Nu D1		Enhanced Recipe Group N1 D11	
	Sample time 300 (ms)			
	Auto Reset Flags			
	Memory Format Unsigned Deci	imal 🔹		
			OK	Cancel



Length



Enhance Recipe

Enhance recipe has its own register, including ENRCP, ENRCPNO, ENRCPG and *ENRCP.

	Enhance recipe register.
ENRCPNO	Enhance recipe number register.
ENRCPG.	Enhance recipe group register₀
*ENRCP₊	Enhance indirect recipe index register

性 🚰 🔜 🎇 \$10000 🦈 😿 USB Disk 🗸					
B1-5x5 B2-5x10					
Broups 1~5	▼	< Back	Forward >		
	Unsigned Decimal	Floating	Hexadecimal	Char	Signed Decimal
	1 Word	2 Word	1 Word	10 Word	1 Word
1	65535	25368.95	ABCD	Delta	-25368
	12356	12345.88	FFF	Tina	1580
2				Deless	-32768
2	35689	8852.12	CC	Daisy	-32708
-		8852.12 99999.99	CC DD	Ray	32767

☑ It also provide EXENRCP · IMENRCP macro to import and export enhance recipe.

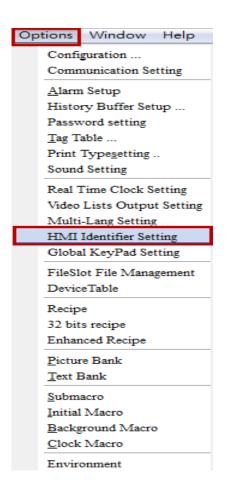


Machine ID

- Provide HMI Identifier to protect HMI and screen data.
- Download HMI Identifier is only download HMI Machine ID.

HMI Identifier Set	tings	×
	Tenable Protection	(HEX)
Jownload HMI Id		Cancel

- Download all data is only download Screen Machine ID.
- ☑ Only execute <u>Reset HMI could clear Machine ID data.</u>





Machine ID

☑ HMI comparison Machine ID has three rules as below.

- HMI has Machine ID, but not screen, it will display Check HMI Machine ID Failed 1.
- Screen has Machine ID, but not HMI, it will display Check HMI Machine ID Failed 2.
- Both have Machine ID, but inconsistent, it will display Check HMI Machine ID Failed 3.

When download HMI Identifier at HMI default screen, it will not display any error message like Check HMI Machine ID Failed 1.



Boot Screen file

Select Options > Configuration > Default, it could change Power on screen file.

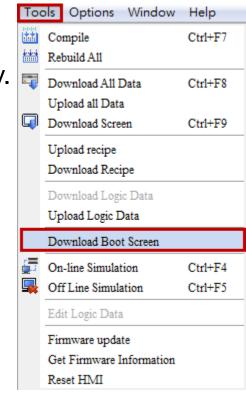
Configuration			×	
Configuration Main Control Block Print Default	System Default Value Power on screen	Default Format Default Screen Background Color System Error Display Time System Key Use Mode System Key Password System Default Font System Default Font	Unsigned Decimal 3 Uncheck Password 12345678 Verdana Verdana	
Others	Element Default Value Auto wrap text Text Color Scroll Size (if Element has) Blink Time Sequence of updating value while chang	20 pixels 1000 ging Updating values, the	✓ ✓ ✓ ✓ (ms) en communicatior ✓	
			OK Cancel	





- Power on Screen function do not support as below model type.B04S211, B05S100, B05S101, B07S201, B07S211.
- After enable power on screen and select file, users could use Tools > Download Boot Screen to change boot screen.
- ☑ Or use **Download All data** to download boot screen directly.
- ☑ After download boot screen, please restart the HMI.



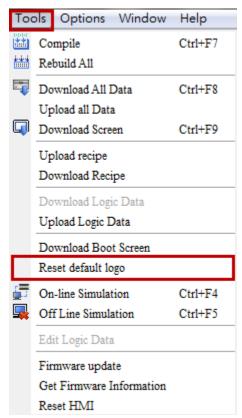




Reset Default Logo

- Reset Default Logo function do not support as below model type.B04S211, B05S100, B05S101, B07S201, B07S211.
- When replaced with HMI boot screen, user could via execute Tools > Reset default logo to restore HMI to default logo.
- ☑ After reset default logo, please restart the HMI.







Global keypad Settings

Select Options > Global Keypad Setting, it could set Decimal, Binary, Hexadecimal, ASCII format keypad.

Options Window Help				
Configuration Communication Setting	KeyPad Settings			
<u>A</u> larm Setup History Buffer Setup Password setting <u>T</u> ag Table Print Type <u>s</u> etting Sound Setting	Decimal KeyPad System Keypad		Hexadecimal KeyPad System Keypad	
Real Time Clock Setting Video Lists Output Setting Multi-Lang Setting	Apply Settings	Apply None	Apply Settings	Apply None 🔹
HMI Identifier Setting Global KeyPad Setting	Binary KeyPad		ASCII KeyPad	
FileSlot File Management DeviceTable	System Keypad		System Keypad	
Recipe 32 bits recipe Enhanced Recipe	Apply Settings	Apply None 🔻	Apply Settings	Apply None 💌
<u>P</u> icture Bank <u>T</u> ext Bank				OK Cancel
<u>S</u> ubmacro Initial Macro <u>B</u> ackground Macro <u>C</u> lock Macro				

Environment



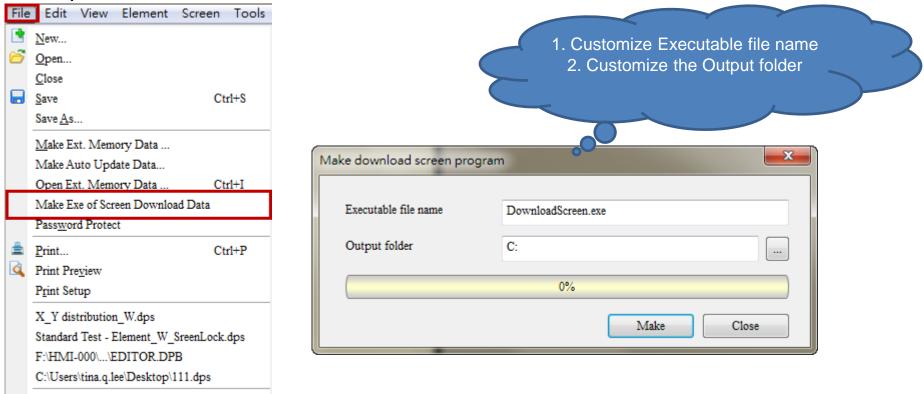
Global keypad Settings

- This function will help users customize keypad style and select apply to all or apply to new by users edit.
- Select apply to all, means replace all exist keypad.
- Select apply to new, means only replace new create keypad.

KeyPad Settings			X
Decimal KeyPad System Keypad		Hexadecimal KeyPad System Keypad	
Apply Settings	Apply None Apply None Apply to all	Apply Settings	Apply None
Binary KeyPad System Keypad	Apply to new	ASCII KeyPad System Keypad	
Apply Settings	Apply None 👻	Apply Settings	Apply None 🔻
			OK Cancel

Make Execution of Screen Download Data

- ☑ Create a independence execution without open DOPSoft in next download.
- Every execution will according to download mode in project to decide next download way.
- ☑ If it has password setting in execution of project, when execution this file that will ask password for download.



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Exit



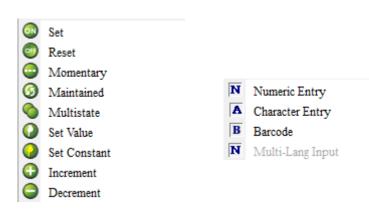
Screen Lock Address

- ☑ Into screen properties, it could set Screen Lock address.
- ☑ This function only effective on sub screen.
- Constant as 1 means always lock, constant as 0 means always unlock.
- When trigger on screen lock address, below this sub screen will locked and cannot operate.

Keypad Screen 👻		Main Screen	
Screen Width 800	Top-Left 0 0 Right-Bottom 799 599		v
Screen Height 560 Center on display	X Y	WIN1	_ X
Origin: X 0 Y 0	⊚ Single	WIN2	_ X
✓ Show Border	O Multiple Base Screen Setup	WIN3	X
Display Title Bar			_ <u>^</u>
Language Nan Caption			
		5757777	
	Macro Cycle Delay 100 ms Screen Lock addr. None		

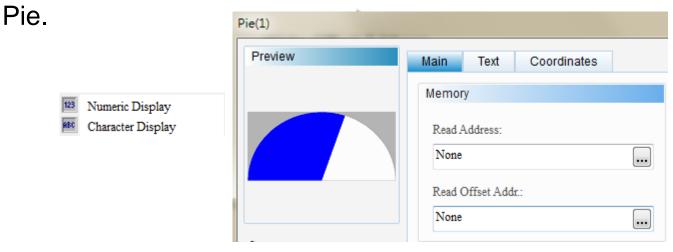


Numeric Entry, Button elements provide write and read offset address.



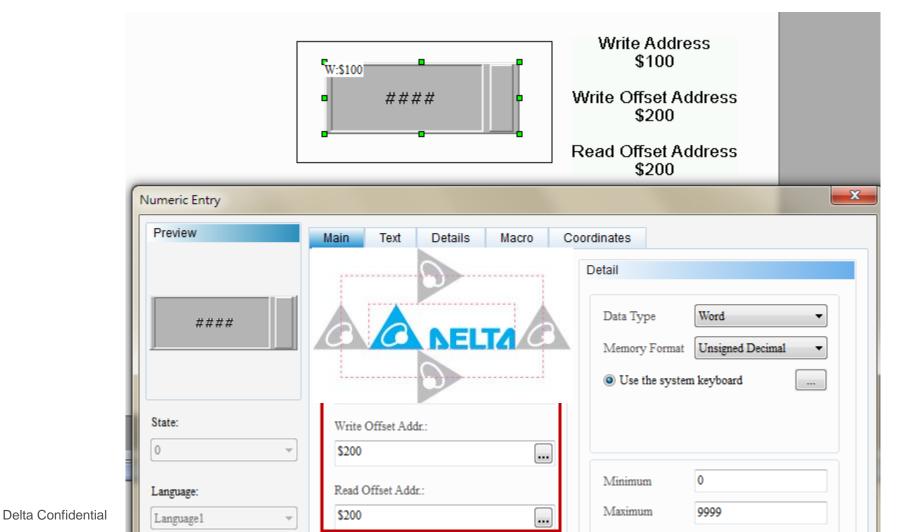
umeric Entry				
Preview	Main Text Details	Macro C	oordinates	
	Memory		Detail	
####	Write Address:		Data Type	
	Read Address:		-	igned Decimal 🔹
	None		Ose the system keyl	board
tate:	Write Offset Addr.:			
0 -	None			
Language:	Read Offset Addr.:		Minimum 0	
Language1 -	None		Maximum 9999	9
			Integer Digits	_

Read address elements also provide read offset address, like Display and



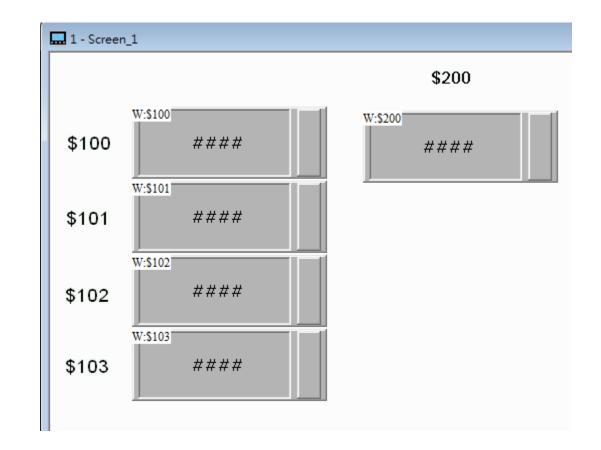


Please create Numeric Entry element as \$100 with Write address, and set
 \$200 with Write offset address and Read offset address.



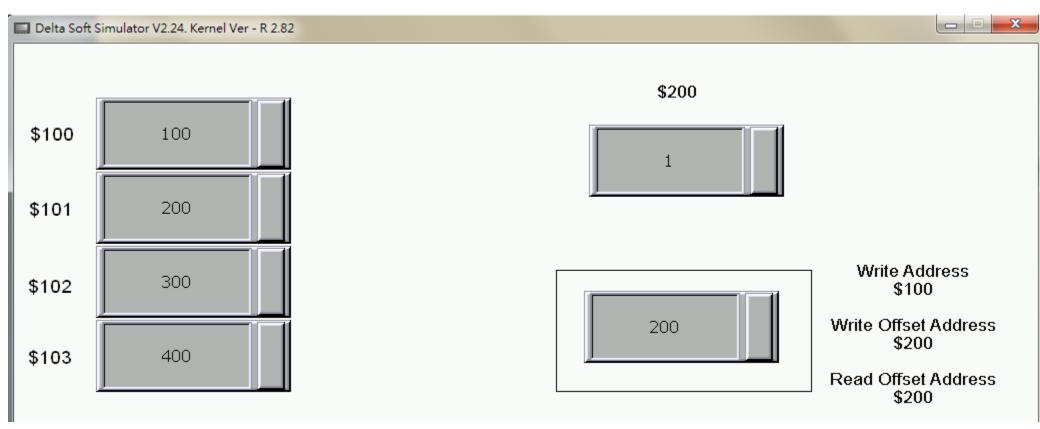


Please create Numeric Entry elements as \$200, \$100 to \$103 with Write address.





- Execute compile and run offline simulator, please input 100, 200, 300, 400 at \$100 to \$103.
- ☑ Input 1 value at \$200, and then the \$100 with write offset address and read offset address will display 200. So when \$200 is 2, \$100 will display 300.





Cancel Action Address

- Goto Screen button add Cancel Action Address.
- After trigger on cancel action address, goto screen action will ineffective.

Goto Screen			٢
Preview	Main Text Picture	Details Macro Coordinates	
	Other		
	InterLock State:	On 💌	
	Interlock Address:	None	
	Trigger Type:	Before Writing -	
State:	Trigger:	None	
0 v	Invisible Address:	None	
Language1 v	User Security Level:	0	
	Confirm Window:	No	
	Cancel Act Addr:	None	



External ASCII

- Character Entry, Barcode, Character Display add support EXASCII function.
- Input Mode needs to set as Touch Non-Popup or Active Non-Popup and pair up the keypad elements.

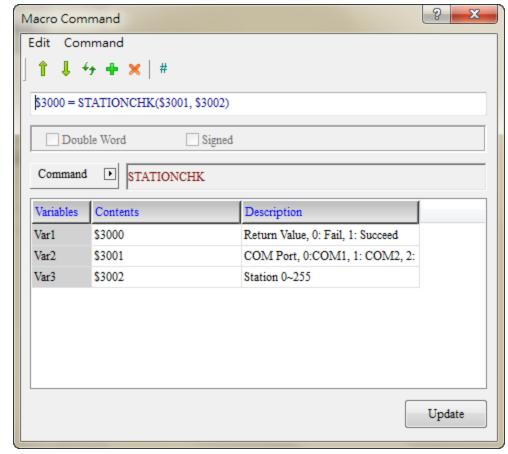
Character Entry				×			
Preview	Main Text	Details Macro Coo	rdinates				
	Other		1				
****	Input Mode:	Touch Popup	User Security Level:	0 -	KeyPad(3)		
	InterLock State:	On	Set Low Security:	No 🔻	Preview	Main Text Picture	
	Interlock Address:	None	Display Asterisk(*):	No •		Style	Detail
State:	Trigger Type:	Before Writing	Support EASCII:	No 🔻	н	Style: Standard -	Display H
0 -	Trigger:	None				Foreground Color:	Mode © <esc> © <insert></insert></esc>
Language:							○ <ent> ○ <page up=""></page></ent>
Language1 -	Invisible Address:	None			State:		
Character Entry	,				0		<pre></pre>
Preview		Main Text D	etails Macro	Coordinate	Language:		○ <home> ○ <up></up></home>
			etans macro		Language1 🔻		© <end> © <down></down></end>
		Other					
		Input Mode:	Touch Non-Popup	•			
****	ĸ						
		InterLock State:	On	•	🗹 Externa	al ASCII do not s	support as below
		Interlock Address:	None		model ty		
State:		Trigger Type:	Before Writing	-	B04S211, B07S211.	, B05S100, B05S	101, B07S201,



address.

STATIONCHK Macro

- Add STATIONCHK macro, it provide users to check COM link status.
- \blacksquare Only refresh the link status when screen data access the PLC







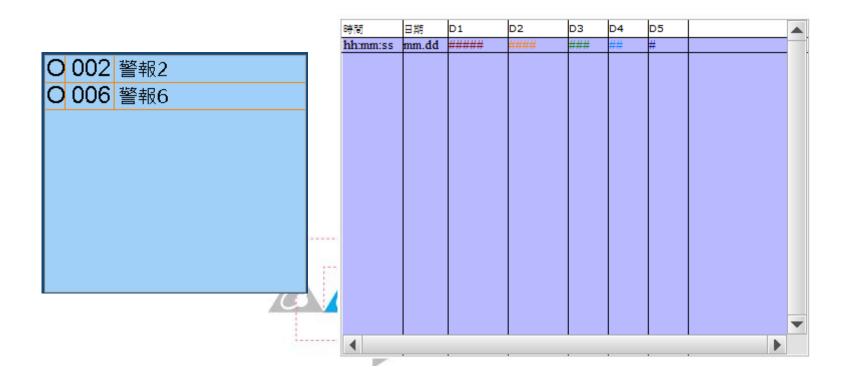
☑ Add STRCAT macro command to connect string.

Macro Com	mand		? <mark>x</mark>					
Edit Com	mand					interioral OSA (CTD CAT) (Afres Freedo Marrol	
114	🗲 🕂 🗙 🛛 #					aintained_064 {STRCAT} [/	-	
\$400 = ST	RCAT(\$100, \$200, \$300)					{ 🖻 🔋 🗒 🛃 🛃 (A)≕ C(\$100, "ABC")	Screen_7 Maintained_064	
Doub	le Word Signed					C(\$200, "9999") STRCAT(\$100, \$20	D, \$300)	
Command	▶ STRCAT							
Variables	Contents	Description						
Var1	\$400	Return Value, 0: Fail, 1: Succeed			\$400	\$100	\$200	\$300
Var2	\$100	Destination		9	4100	4100	4200	4000
Var3	\$200	Source		STRCAT	1	ABC9999	9999	20
Var4	\$300	Source Max Length						20
			Update				command, \$100 will "9999" as "ABC9999	.



Horizontal and Vertical Line

I History and alarm add draw vertical and horizontal line.



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Penetrate of Rectangle

- Rectangle add Penetrate function.
 - When penetrate is on, it means ignore rectangle and could press the button as below rectangle.
 - When penetrate is off, it means cannot press the button as below rectangle.

Rectangle			×
Preview	Main Picture	Details Coordina	tes
	Style		
	Line Color:	•	
	Line Size:	1 -	
	Round Radius:	0	
State:	Foreground Color:	—	
	Transparent:	No	
Language: Language1	Penetrate:	ON •	



Alarm Moving Sign

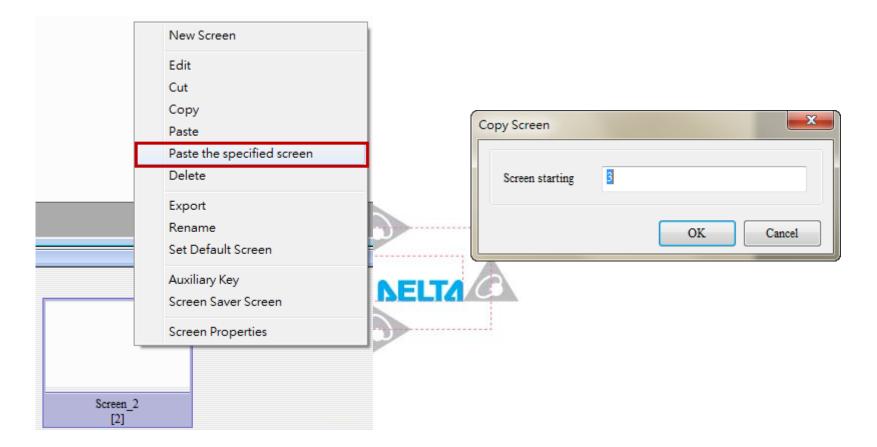
☑ Alarm Moving Sign add Up and Down direction display.

Alarm Moving Sign		— X —
Preview	Main Coordinates	
	Style	Detail
	Style: Sunken 💌	Direction:
	Border Color:	Interval(ms): Up
	Background Color:	Moving Points:
C++++		
	A DELTA	



Paste the Specified Screen

Add Paste the specified screen function, it provide to customize after which screen to paste.





System Parameters

- ☑ Into Options> Configuration>Others, add some system parameters like as below figures out.
- ☑ It could set USB Download mode, Brightness, Touch Panel Delay and Touch Panel Force.

Configuration	
	HMI System Setting Language
Main	Screen Saver Setup
	Enable touch cursor Enable Screen Saver reenSaver 10 (Min)
Control Block	✓ It will display initial screen at start ■ Read Controller Addre None
Print	Blue Led mode Disable Transition time 1 (s)
2	USB Download CDC
Default	Brightness 1. Return to Original
*	TP Delay 2. Choose screen
Others	TP Force
D	
Network App	

Change color for Pipe(6) • Pipe(7)

Pipe(6) and Pipe(7) add Cursor Color with variables.
 Change the Variable color to Yes and set variable address to change the pipe flow color.

Pipe(6)		
Preview	Main Coordinates	
	Memory	Style
	Read Address:	Pipe Gauge: 5
	\$345	Variable Color: Yes 🗸
	Read Offset Addr.:	Cursor Color \$50000
State:	None	



Non-current screen background processing permit

- Add Non-current screen background processing permit function for X-Y Distribution.
- If enable this function, users could sampling at other screen. For example, screen ID 1 has X-Y distribution, but screen ID 2 has not. After enable this function, in screen ID 2 still could sampling.
- If disable auto clear, please set to off after trigger on sampling in other screen without X-Y distribution.

X-Y Distribution		
Preview	Main Coordinates	
Preview	Main Coordinates Style Border Color: Grid Line Color: Horiz.: Yert. Line Number: Yert. Line Number: Style: Standard Background Color: Sample: Z Line Size: 1 Dot Width: 3 Image: State of the state of the state	Detail Control \$1910 Auto clear Address Continuous Address Sample 0 Sample 1 Name Address X \$1911 Y \$1912 Color RGB(0, 128, 0) Connection 1 X Min. 1 X Min. 1 X Max. 10 Y Min. 0 Y Max. 1000
		OK Cancel



Multi-Language support to 32

- Multi-Language support to 32.
- ☑ When set over 32 languages, it will display error message.

Image: Interpretation of the second secon	Main	No	Language Name	Detail Setup	Enable	Default Font Style	A	+	
Image: Second									
Image: Book indication in the provided in the p				14		Arial		-	
Image: 17 Language 17 16 ✓ Arial Print Is Language 18 17 ✓ Arial Image: 19 18 ✓ Arial Image: 19 Image: 18 Arial Image: 19 Language 20 200 ✓ Footlight MT Light Image: 12 Language 22 21 Arial Image: 22 Language 23 22 ✓ Arial Image: 13 Language 23 22 Image: 13				15		Arial			
Print Image: Second Condition of the		17		16		Arial			DODGet
Image:		18		17		Arial			DOPSOIL
Default 21 Language21 20 ✓ Arial 22 Language22 21 ✓ Arial 23 Language23 22 ✓ Arial 23 Language24 23 ✓ Arial 25 Language25 100 ✓ Segoe Script 26 Language26 25 ✓ Arial 27 Language28 27 ✓ Arial 29 Language29 28 ✓ Arial 30 Language30 29 ✓ Arial		19	Language19	18		Arial			
Default 21 Language21 20 ✓ Arial 22 Language22 21 ✓ Arial 23 Language23 22 ✓ Arial 24 Language24 23 ✓ Arial 25 Language25 100 ✓ Segoe Script 26 Language26 25 ✓ Arial 27 Language27 26 ✓ Arial 27 Language28 27 ✓ Arial 29 Language29 28 ✓ Arial 30 Language30 29 ✓ Arial	2	20	Language20	200		Footlight MT Light			
 22 Language22 21 Arial 23 Language23 22 Arial 24 Language24 23 24 25 Language25 100 Segoe Script 26 Language26 25 26 Language27 26 27 Language27 26 27 Language27 26 27 Language28 27 Arial 29 Language29 28 29 Language30 29 Language30 29 Marial Totaguage30 Totaguage30		21	Language21	20		Arial			It's over 32 languages
Others 24 Language24 23 ✓ Arial 25 Language25 100 ✓ Segoe Script 26 Language26 25 ✓ Arial 27 Language27 26 ✓ Arial 28 Language28 27 ✓ Arial 30 Language30 29 ✓ Arial		22	Language22	21		Arial			
Others 24 Language24 23 ✓ Arial 25 Language25 100 ✓ Segoe Script 26 Language26 25 ✓ Arial 27 Language27 26 ✓ Arial 28 Language28 27 ✓ Arial 30 Language30 29 ✓ Arial	<u> </u>	23	Language23	22		Arial			
Image: Segue 25 100 Image: Segue Script Image: Segue 25 100 Image: Segue Script Image: Segue 26 25 Image: Segue Script Image: Segue 27 26 Image: Segue 27 Image: Segue 28 27 Image: Segue 28 Image: Segue 28 27 Image: Segue 28 Image: Segue 29 28 Image: Segue 29 Image: Segue 29 28 Image: Segue 29 Image: Segue 20 29 Image: Segue 29 Image: Segue 20	-	24	Language24	23		Arial			
Image: 27 Language27 26 Image: Arial Image: 28 Language28 27 Image: Arial Image: 29 Language29 28 Image: Arial Image: 30 Language30 29 Image: Arial		25	Language25	100		Segoe Script			OK
Image: 27 Language27 26 Image: Arial Image: 28 27 Image: Arial Image: 29 Language29 28 Image: Arial Image: 30 Language30 29 Image: Arial	07	26	Language26	25		Arial	=		
28 Language28 27 ✓ Arial 29 Language29 28 ✓ Arial 30 Language30 29 ✓ Arial	~~	27	Language27	26		Arial	=		
□ 30 Language30 29 🔽 Arial	workApp	28	Language28	27		Arial			
		29	Language29	28		Arial			
🗋 31 Language31 30 🗹 Arial		30	Language30	29		Arial			
		31	Language31	30		Arial			
□ 32 Language32 255 ☑ Showcard Gothic		32	Language32	255		Showcard Gothic			



B07S410 Support other PLC

B07S410 model type could select other PLC to connect.

Smarter. Greener. Together.

NELTA

C