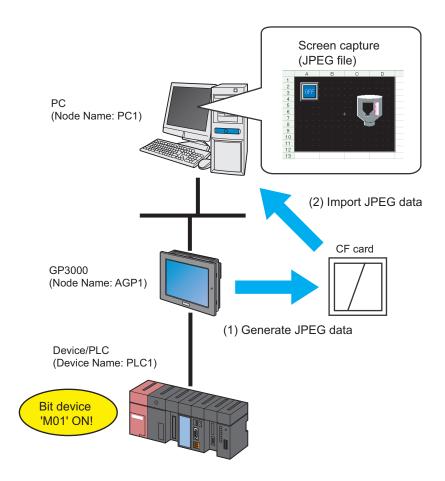
11 Importing GP Capture Data (JPEG)

11.1	Capturing at Preset Timing	11-2
11.2	Capturing Right Now1	1-22
11.3	Restrictions1	1-26

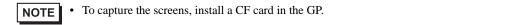
11.1 Capturing at Preset Timing

[Action Example]

Detect the rising of the device (bit device: address "M01") of Device/PLC, save captured screens (JPEG data) in a CF card of GP, and upload to PC.



This section describes the setting procedures for executing the above action (ACTION) as an example.



[Setting Procedure]

	h			
1	Starting 'Pro-Studio EX'	This step starts 'Pro-Studio EX'.		
2	Registering Entry Nodes	This step registers the PC and the GPs as entry nodes.		
3	Registering Symbols	This step registers as a symbol the device of Device/ PLC which serves as a trigger condition (trigger).		
4	Parameter Setting for Feature (ACTION)	This step sets the following items:Capture Data SelectionFile Specification		
5	Setting Trigger Conditions	This step sets conditions (trigger) for screen captures.		
6	Setting Data Received by ACTION	This step sets data to transfer.		
	+			
7	Setting ACTION Node/Process Completion Notification	This step sets the name of an ACTION node and the alert setting whether it should be tuned on or off when the ACTION is completed.		
8	Verifying Setting Result	This step verifies setting results on the setting content list screen.		
	+			
9	Saving a Network Project File	This step saves the current settings as a network project file and reloads.		
10	Transferring a Network Project File	This step transfers a saved network project file to the GP.		
		·]		
11	Executing ACTION	This step verifies that captured data (JPEG) of GP screens are saved in the specified location when the preset trigger condition has become effective.		

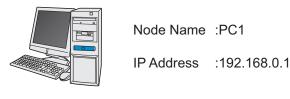
Starting 'Pro-Studio EX'

This step starts 'Pro-Studio EX'.

Refer to "3 Trial of Pro-Server EX" for details about starting method.

Registering Entry Nodes

This step registers the PC and the GP connected with network as nodes. Refer to "31 Node Registration" for details about entry nodes.



Node Name :AGP1

IP Address :192.168.0.100

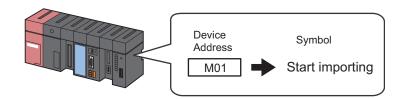
Device/PLC Information



Entry Node	Setting item	Setting example
PC	Node Name	PC1
	IP Address	192.168.0.1
	Туре	GP3000 series
GP	Node Name	AGP1
	IP Address	192.168.0.100

Registering Symbols

This step registers as a symbol the device address of Device/PLC from which data is read. Refer to "32 Symbol Registration" for details about symbols.



Ex.

Setting item	Setting content	
Symbol Name	Start importing	
Data Type	Bit	
Device address for symbol registration	"01" of Device/PLC (PLC1)	
No. of Devices	1	

Parameter Setting for Feature (ACTION)

Make settings to capture GP data. (parameter settings)

Refer to "11.1.1 Setting Guide" for more details about ACTION parameters.

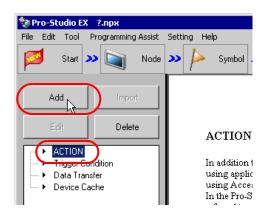


Setting item	Setting content
Capture Data Selection	GP Capture Data
Save File	C:\Documents and Settings\Administrator\Desktop
Saved File Name	%NODE%Y%M%D%h%m%s
Zero Suppress	OFF
When the same file name already exists	Save Rewrite
Show Browser	OFF

1 Click the [Feature] icon on the toolbar.

饕 Pro-Studio EX 🛛 ?	.npx		
File Edit Tool Pro	gramming Assist Sett	ting Help	
对 Start >	Node >	Symbol 👂 ≷ Feature 🕨 📑	Save .
Symbol		Node Name AGP1 D	evice Name
Group	Ungroup	Sheet Name Sheet3	titasa glob
Insert	Delete		en de la gioc

2 Select [ACTION] from the tree display on the left of the screen, then click the [Add] button.

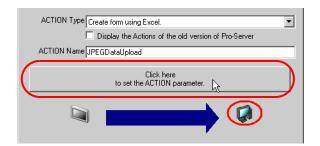


 ${\bf 3}$ Click the [ACTION Type] list button, and select "Upload of GP JPEG Data".

Then, enter the name of ACTION to set in the [ACTION Name] field. In this example, enter "JPEG Data Upload".

Set ACTION Name/Parameter 🛛 🛛
Add a new ACTION. Specify an ACTION name, and set its parameter.
ACTION Type Create form using Excel.
Create form using Excel. Writes Data to CSV file. ACTION Name Writes Data from CSV file. Upload of GP JPEG Data. Writes Data to E-Mail. Upload to the database. Download from the database.
Next Cancel

4 Click the [Click here to set the ACTION parameter] button.

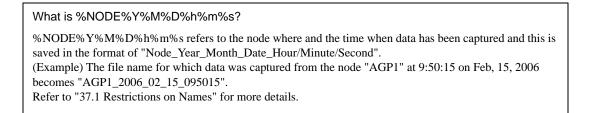


5 Check [GP Capture Data] in [Capture Data Type].

Setting Parameters	
Cashina Daha Turan	EX Version 1.00
Capture Data Type	Uproad from CF Card © Upload All File © Upload New File And Update File
Save To Folder:	This file name already exists.
😑 c: [C-DRIVEENG]	C Save Rewrite
Program Files	Number End Of FileName
Pro-Server EX	
🗧 🔁 NpxDatabase	
File Name:	Show Browser
%NODE%Y%M%D%h%m%s	v
Zero Supress	
	OK Cancel

6 Set "Desktop" for [Save To Folder] as a folder to store the file to write data in, with the default file name "%NODE%Y%M%D%h%m%s".

Save To Folder:		This file name already exists.
C:\ Documents and Settings		Number End Of FileName
Desktop	l	Show Browser
File Name: 2NODE%Y%M%D%h%m%s Zero Supress	1	
	ОК	Cancel



7 Turn off the [Zero Suppress] check box, if checked.

Save To Folder:	This file name already exists.
🖃 c: [C-DRIVEENG]	C Save Rewrite
C:\	 Number End Of FileName
🔁 Desktop 🔽	
	Show Browser
File Name:	
≈NODE%Y%M%D%h%m%s	
C Zero Supress	Cancel

8 Select [Save Rewrite] in [This file name already exists.].

Save To Folder:			This file name already exists.
💷 c: [C-DRIVEENG]		•	• Save Rewrite
C:\ Documents and Settings Administrator Desktop		▲ ▼	Show Browset
File Name:			
%NODE%Y%M%D%h%m%s		•	
🔲 Zero Supress			
	ОК		Cancel

9 Turn off the [Show Browser] check box, if checked.

Save To Folder:		This file name already exists.
C:\ Documents and Settings Administrator		Number End Of FileName
Desktop		
File Name: %NODE%Y%M%D%h%m%s		
🔲 Zero Supress		
	OK	Cancel

10 Click the [OK] button.

This is the end of the feature (ACTION) settings.

Setting Trigger Conditions

This step sets conditions (trigger bit ON) for screen captures.

Refer to "33 Trigger Conditions" for details about trigger conditions.

[Setting Example]

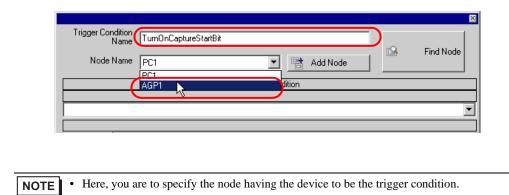
- Trigger Condition Name: Turn on capture start bit
- Trigger Condition : When "Start capturing" (M01) is ON
- 1 On the "Set ACTION Name/Parameter" screen, click the [Next] button.

Click here to set the ACTION parameter.	
Next Cancel	

2 Click the [New Trigger Condition] button.

Set ACTION Trigger Condition
ACTION Type Upload of GP JPEG Data.
ACTION Name JPEGD ataUpload
Specify a trigger condition of the ACTION.
Trigger Condition
Edit
Node
Back Next Cancel

3 Enter the trigger condition name "TurnOnCaptureStartBit" in [Trigger Condition Name], and select "AGP1" in [Node Name] which has the device to serve as the trigger condition.



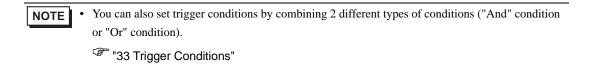
- ি "33 Trigger Conditions"
- 4 Click the [When Device ON] button in the [Condition 1] tab and select "PLC1" for the device name.

Condition 1					
Specify th	e Trigger Condition.				
35	When Turned ON		While Device is ON		While Condition Satisfied
Ġ	Specified Time		While Device is OFF		When Condition Satisfied
0	Constant Cycle		When Device ON		When Partner Node ON
	When Device Changes		When Device OFF	8	When Partner Node OFF
Device Na #INTERN #INTERN PLCI Data Type	IAL		Turn OFF the Specified Processing.	l Device	e Address after
🗆 Limite	ed Time Offer hour 🛛 🕂 min -	0 🕂 hour	0 🕂 min	Ch	eck Cycle CAlways
			Detail Settings		OK Cancel

5 Click the [Device Address] list button and select "Start capturing" for the device symbol name which serves as the trigger.

Device Name	
PLC1 I Turn OFF the Specified Device Address after Processing.	
Device Address	
Startcapturing	
Data Type 16Bit(Signed)	
Limited Time Offer	
0 → hour 0 → min - 0 → hou	
	el

[Data Type] automatically appears after selection, too.



6 Click the [OK] button.

This is the end of trigger condition settings.

Setting Data Received by ACTION

This step sets data to transfer in ACTION.

Any constant value is acceptable as data to transfer.



- Constant value to transfer: 1
- 1 On the "Set ACTION Trigger Condition" screen, click the [Next] button.

Transfer Source
Node
AGP1
Device Name
#INTERNAL 🔽
C Device Address
Constant Value
Data Type 16Bit(Signed) No. 1

2 After clicking [Constant Value], enter "1" in the text box for the constant value to transfer and "1" in [No.].

Constant Value	
1	
Data Type 16Bit(Signed) No. 1	E
Back Next Cancel	

NOTE • You can transfer stored values as data by specifying a symbol or a device address.

This is the end of the setting of data received by ACTION.

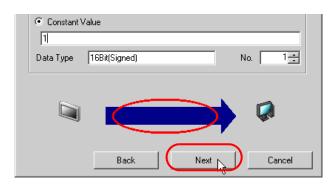
Setting ACTION Node/Process Completion Notification

This step sets the name of an ACTION node and the alert setting whether it should be tuned on or off when the ACTION is completed.

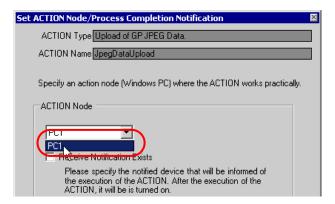


- ACTION Node : PC1
- Receive Notification: OFF

1 On the "Data settings to be received by ACTION" screen, click the [Next] button.



2 Click the list button of [ACTION Node] and select "PC1" as a node where ACTION operates.



3 Turn off the [Receive Notification Exists] check box, if checked.

ACTION Node	
PC1	
	Notification Exists specify the notified device that will be informed of cution of the ACTION. After the execution of the V, it will be is turned on.
	Device Name
	#INTERNAL
	Notified Device
	Data Type Bit

• When "Receive Notification Exists" is turned on, the specified bit device will be turned on when the ACTION is completed. This can be used as a trigger condition (trigger) of the subsequent ACTION when you want to execute two or more ACTIONs sequentially.

"33 Trigger Conditions"

4 Click the [Complete] button.

The "Set ACTION Node/Process Completion Notification" screen will disappear. On the left of the screen, the name of ACTION you set will appear.

	Device Name	
	#INTERNAL	
	Notified Device	
	Data Type Bit	
Back		

This is the end of the settings of the ACTION node and process completion notification.

Verifying Setting Result

This step verifies setting results on the setting content list screen.

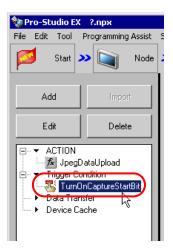
1 Select the ACTION name "JPEG Data Upload" from the tree display on the left of the screen.



Confirm that the setting content appears on the right of the screen.

	_ 🗆 ×
Setting Help	
» 🍐 Symbol » ≷ Feature » 📄 Save » 🆄	Transfer Monitor
ACTION-Specific Trigger Condition/Process List	ACTION
Add Edit Release	Delete ACTION
Data Source Node AGP1	JpegDataUpload 🗾
Trigger When Startcapturing of Node AGP1 i	Rename
Condition Data Completion 1	Upload of GP JPEG Data.
	Set Parameter
L	ACTION Node
	PC1

2 Select the trigger condition name "TurnOnCaptureStartBit" from the tree display on the left of the screen.



Confirm that the setting content appears on the right of the screen.

						- 🗆 ×
Setting Help						
ン 눧 Symbol ン ≷ Feature	» 🗄	Save 义		🤰 Transfei	r 😡	Monitor Status
Trigger Condition	Sec	juence D	iag	ram by Ti	rigger Conditior	ו
		Collapse		Tra	ansfer ACTION/Data	
TurnOnCapl Edit	Feature	Source		Destinat	Receive/Process Co	
Node AGP1	JpegDat	AGP1.#	->	PC1.Jp		
When Startcapturing of Node A						

This is the end of the verification of the settings.

Saving a Network Project File

This step saves the current settings as a network project file and reloads to 'Pro-Server EX'.

Refer to "25 Saving" for details about saving a network project file.

- Pro-Server EX' reads a created network project file, and then executes ACTION according to the settings in the file. The settings therefore need be saved in the network project file.
 - Be sure to reload the network project file to 'Pro-Server EX' If not, ACTION will not work.



- Path of network project file
- Title

: Desktop\capture.npx

: JPEG upload action

Transferring a Network Project File

This step loads a saved network project file to 'Pro-Server EX' and then transfers to entry nodes.

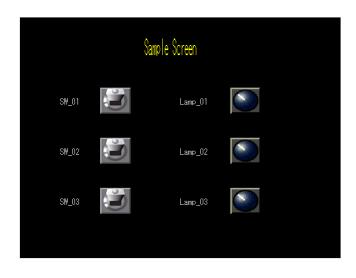
Refer to "26 Transferring" for details about transferring a network project file.

NOTE • Be sure to transfer a network project file. If not, ACTION will not work.

Executing ACTION

This step verifies that enabling a trigger condition activates ACTION and saves GP capture data in the specified location.

• To capture the GP screen, turn ON the bit 0 for LS2076 in the GP. While capturing, the bit 0 for LS2077 is turned ON. It is turned OFF when capturing finishes.



• If error occurs, you can check the log in the Log Viewer. For more details, refer to "28.5 Monitoring System Event Logs".

• If you want to achieve faster communication during ACTION, refer to "29 Tips for Faster Communication".

This is the end of the explanation of this ACTION.

11.1.1 Setting Guide

This section explains how to set the parameters of ACTION.

Setting Parameters	
- Capture Data Type	EX Version 1.00
GP Capture Data GY Geo Capture Data	Uproad from CF Card Upload All File Upload New File And Update File
Save To Folder:	□ This file name already exists.
🖃 c: [C-DRIVEENG]	Save Rewrite
Strogram Files Strong Pro-face Server EX	Number End Of FileName
🖰 NpxDatabase	
File Name:	Show Browser
%NODE%Y%M%D%h%m%s	•
🔽 Zero Supress	
	Cancel

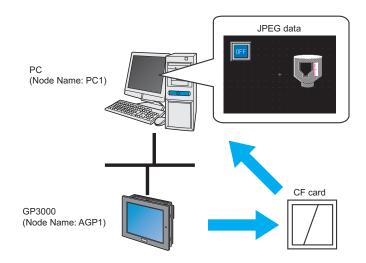
Setting item	Setting content
Capture Data Type	 Selects data to capture. GP Capture Data Captures a GP screen and uploads. Video Capture Data Uploads video data which has already been saved in a CF card of GP. In this case, you cannot set each item of [File Name], [Zero Suppress] and [Show Browser]. Also, you cannot upload more than 32767 JPEG files at one time.
Upload from CF-Card	If you select [Video Capture Data] for [Capture Data Selection], you are to select whether to upload all video data in a CF card or only the file(s) not existing or updated in the directory to set in [Save].
Save To Folder	Selects a save folder for captured data. C drive (C:) folder is to appear for initial setting. To change the drive to display, click the list button to select new one.
File Name	 Sets the file name to save. "%NODE%Y%M%D%h%m%s" is to appear for initial setting. ("%NODE" indicates a node name.) NOTE By specifying a macro code for the file name to save, you can set the file name as a node name or device data. 37.1 Restrictions on Names
Zero Suppress	If you set the save file name as "%NODE%Y%M%D%h%m%s" and check this item, the digit 0 is not displayed. (Example) File name which is written at 7:31 when specifying the save file name as "%h%m" Checked: •••_7_31•••.xls Not checked: ••_07_31•••.xls

Setting item	Setting content
This file name already exists.	To overwrite save, check [Save Rewrite]. If not, check [Number End of File Name].
Show Browser	Shows captured data on an exclusive JPEG file browser. You can display it with Viewers, such as 'Microsoft Internet Explorer' and 'Paint', related to print, copy, and JPEG files.

11.2 Capturing Right Now

[Action Example]

Save capture data displayed on currently operating GP.



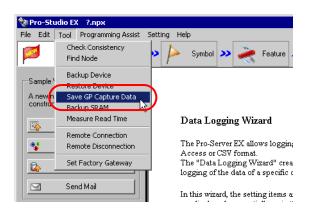
This section describes the setting procedures for executing the above action (ACTION) as an example.

NOTE • To capture the screens, install a CF card in the GP.

• To use this function, you need to set using the network profect file which 'Pro-Server EX' loads. You can confirm which network project file is loaded by 'Pro-Server EX' in Status Monitor Menu.

"28.5 Monitoring System Event Logs"

1 Click [Save GP Capture Data] from [Tools] on the menu bar.





• You can also display the "Save GP Capture Data" screen by right-clicking the tasktray icon and then selecting [Save GP Capture Data] from the menu.

-	
2Way Log Viewer	
Device Monitor	
Symbol Monitor	
Status Monitor	
Device Access Log	
Device Backup	
Device Restore	
Save GP Capture Data 📐	D
Save SRAM Backup Data	
Remote Logon	
Remote Logoff	Load Network Project
Kennote Logon	Start Pro-Studio EX
Data Read Performance Measurement	Tools 🕨
	ACTION +
	Pro-Server EX Environment Settings
	Network Setting
	About
1	Exit Pro-Server EX

2 Click the list button and select the GP in which you save captured data.

	Node Name	PC1
Save	C	AGP1
Save	Folder Name	C:\Program Files\Pro-face\Pro-Server EX\NPXDa Browse
	File Name	%NODE%Y%M%D%h%m%s
		Save the file under the name of current time

3 Click the [Browse] button and set a folder in [Folder Name] where captured data is saved.

	Node Name	AGP1
Save		
	Folder Name	\Documents and Settings\Administrator\Desktop
	File Name	%NODE%Y%M%D%h%m%s
		Save the file under the name of current time

4 Specify a file name in [File Name] for captured data to save.

	Node Name	AGP1
Save		
	Folder Name	\Documents and Settings\Administrator\Desktop Browse
	File Name	GPScreenCapture
		Save the file under the name of current time

5 Click the [Save] button.



• To capture the GP screen, turn ON the bit 0 for LS2076 in the GP. While capturing, the bit 0 for LS2077 is turned ON. It is turned OFF when capturing finishes.

11.2.1 Setting Guide

"GP Capture Data Saving" Screen

	Program Files\Pro 0DE%Y%M%D%	o-face\Pro-S	Server EX\NPXD&	Browse
Save Folder Name	_	o-face\Pro-S	Server EX\NPXD (Browse
Folder Name C:V	_	o-face\Pro-S	Gerver EX\NPXDa	Browse
· · · · · · · · · · · · · · · · · · ·	_	o-face\Pro-9	Server EX\NPXDa	Browse
File Name 🛛 🕅 🕅				
	ODE/ST/SH/SD/S	h%m%s		
		Save the file	e under the name o	f current time
Show the screen with	the browser afte	rsave		
	Save	Car	ncel	

Setting item		Setting content
Capture	Node Name	Selects GP to capture screens.
	Folder Name	Selects a save folder for captured data. C drive (C:) folder is to appear for initial setting. To change the drive to display, click the list button to select new one.
Save	File Name	Sets a file name to save.
	Save the file under the name of current time	Use current time (%NODE%Y%M%D%h%m%s%) for a file name. ("%NODE" indicates a node name.)
Show the screen with the browser after save		If checked, captured data is shown in a special JPEG file browser. You can display it with Viewers, such as 'Microsoft Internet Explorer' and 'Paint', related to print, copy, and JPEG files.

11.3 Restrictions

Restrictions on GP3000 Series

• You cannot import the GP capture data in GP3200 Series because GP3200 Series does not have a CF card slot.

Restrictions on LT3000

• You cannot import the GP capture data in LT3000 because LT3000 does not have a CF card slot.