Bit editor User's Manual

Samwontech MMI Screen-saver Image edit program

V1.0a

January 2014 1st Edition

SAMWON TECH

INTRODUCTION

Introduction

Thank you very much for purchasing the product of our company.

This user manual for the program describes the method of inner system image edition and modification of the products with the software.

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Revisions

January 2014 1st Edition

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CHAPTER 1 INSTALL PROGRAM

1.1 INTRODUCTION TO BIT EDITOR

1.1.1 Main Features

The Bit-Editor is PC software for setting images for the screen saver, DI error image of the products, from the Samwon Tech Inc.

Easy to Use
You can make image(CI, INIT, DI) that for Samwontech product. And crop or resampling the source image without photo-shop.

Text and Image clip
You can insert text for DI error screen or Image clip.

Dithering to 16Bit bitmap
Reducing the color depth(16Bit) of an image can often have significant visual side-effects. Bit-Editor minimize image damage and re-calculate correct color value.

1.1.2 Hardware

This program requires PC that satisfies the following minimum requirements to operate.

Item	Requirement	Note
Operation System	WindowXP, Vista, 7, 8	32, 64Bit
CPU	Pentium or higher	
Memory	1G	

# 1.2 MAIN SCREEN AND MENU OF THE PROGRAM

1.2.1 Main Menu

This program is composite of the main image canvas window, ribbon menu on the top, status bar on the screen bottom.
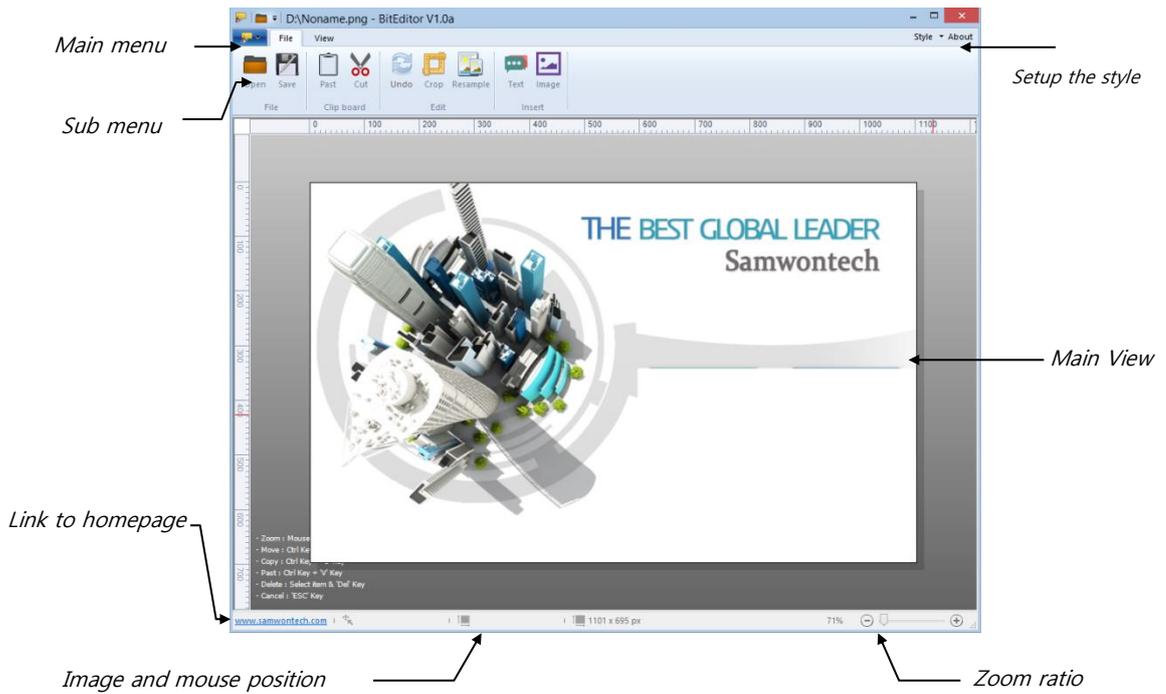
Ribbon Menu

The program menu has the main menus and the respective sub menus. You can quickly choose a desired function by arranging the main menu with common options. The icons of sub menu will appear once you click on a main menu
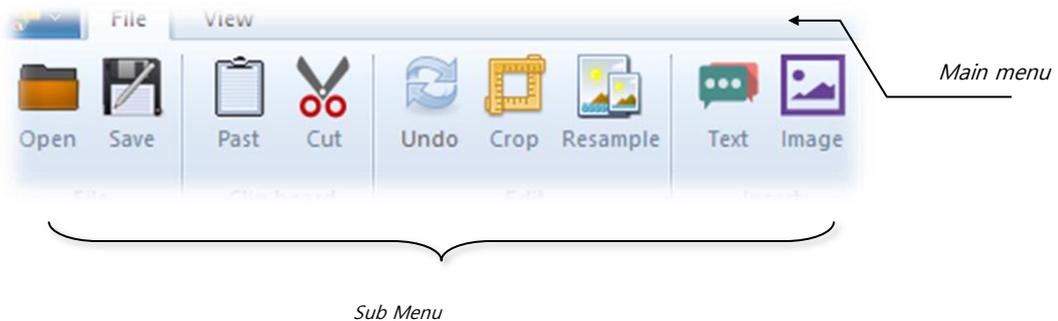
1.2.2 Menu Composition

The program menu consists of the main menus on the top and sub menus that belong to each main menu. The description of each menu is below.

Description of Sub Menus

Main Menu	Sub Menu	Working
File	Open	Open source image file
	Save	Save current screen data to image file
	Past	Past clipboard data to image item
	Cut	Cut selected area to clipboard data
	Undo	Undo image status
	Crop	Crop image area
	Resize	Resize image resolution
	Text	Add text message
	Image	Add image item
View	Zoom In	Display zoom in
	Zoom Out	Display zoom out
	Reset	Fit image to screen size
	100%	Display image with original size
	Status Bar	Status bar On/Off
	Ruler	Ruler On/Off
Help	About	Program help & information

The main menu is grouped by main features of the program and it consists of "File", "View". When you click on a main menu, the sub menus under it will appear in the tool bar at the top of the program.

> 🕐 **Information**
>
> · The output language of menu is the same as the language of the OS it is operating on. For any other languages than Chinese, English and Korean, the default language, English, will be the output language.

1.2.3 Flow of Program Operation

The basic order of the product operation supported by this program may differ depending on the product but generally the operation follows the order described below.

General Order of Program Operation

Procedure		
1.	Start	Start the program
2.	Open	Open an existing file
3.	Crop	Crop the image area to useable
4.	Resize	Resize image resolution to compatible size
5.	Add Text or Image	Add text or image item to image
6.	Save to another image	Save to bitmap file and finish program

> 🛠 **Information**
>
> · The result image file can save to samwontech product by SD memory card. Please refer to the "User screen setting" in user installation manual.

1.3 INSTALLATION OF THE PROGRAM

1.3.1 Program download & install

Download

Download the latest version of the program on the company's website (www.samwontech.com), select and install the execution file.
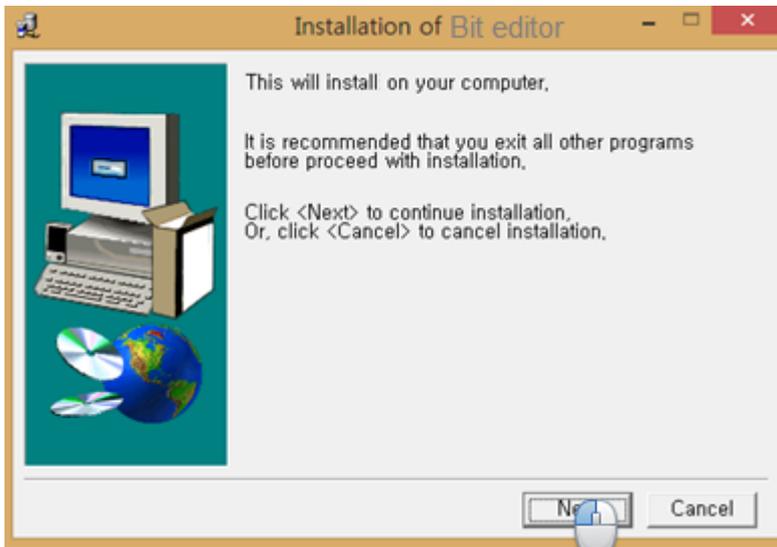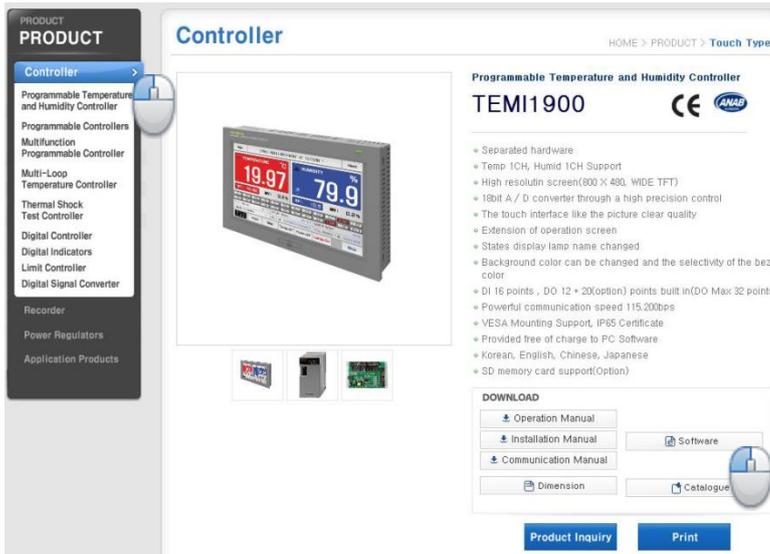
Operation of the Program

Once the program is successfully installed, click on the "Start Window" button and select the "*Bit-Editor*" under "*SAMWONTECH.*"
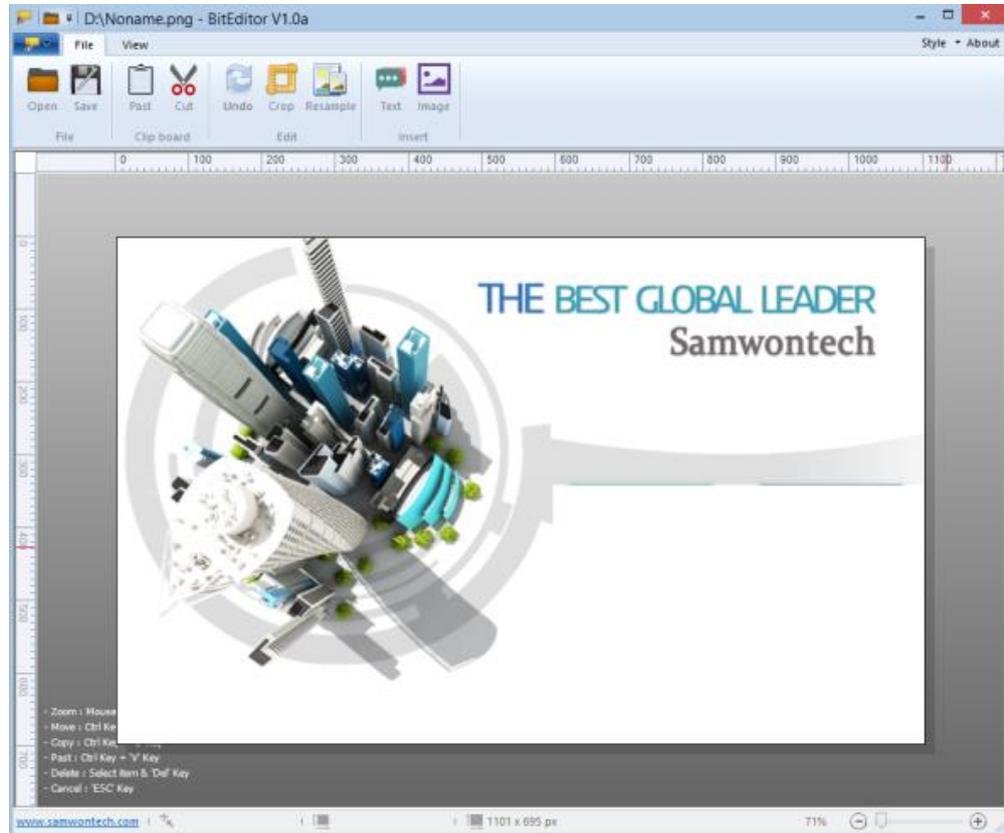

🔅	**Information**

· The program installs automatically in order of the command outputs.

· The files and folders that appear after installation are essential in operating the program, so do not delete, move or change file name.

· If error is occurred while installing under a Window operation environment, please contact the place of purchase or the head office of the company.

*C*HAPTER *2* *H*OW TO USE

2.1 THE PROCESS FOR IMAGE EDITING

2.1.1 Load and Editing

This program need source image for edit. Select ribbon menu "file" and select "open" sub-menu and load source image for edit. ☝

"File" → "Open" ☝
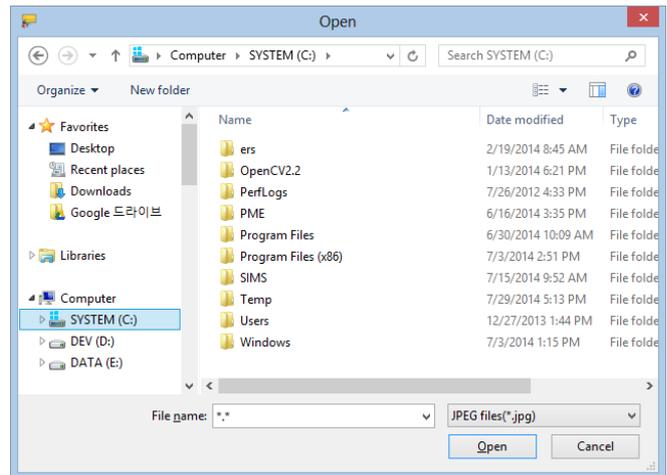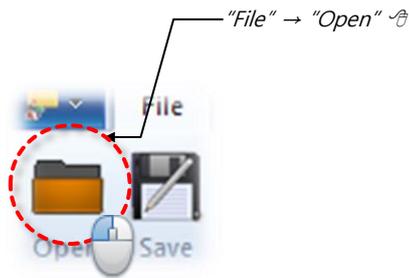
Mouse Operation

You can panning , zoom In/Out by mouse and keyboard operation. (see the below left of screen)

☞ In-case too large image make delay of process depend on system performance.
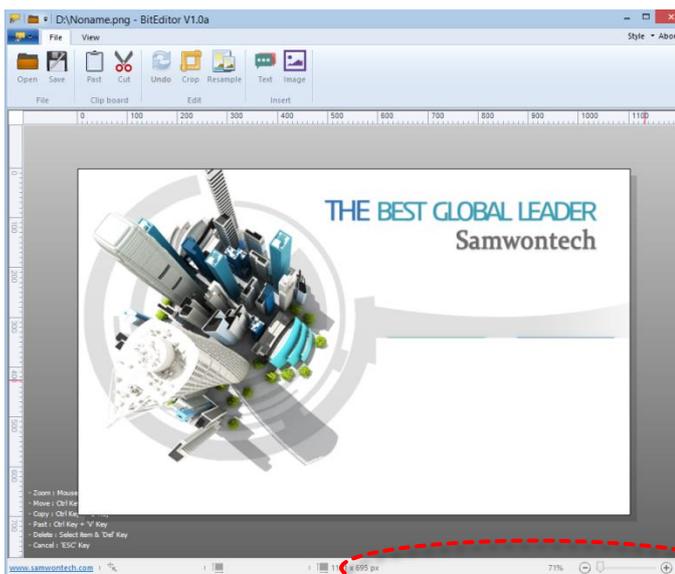

Check original image size and Zoom ratio

The List Of Mouse Command

🖱	⌨		
Left Button	-	Drag	Select area
Left Button	Ctrl	Drag	Panning
Wheel	-	Up	Zoom In
Wheel	-	Down	Zoom Out
Right Button	-	Click	Popup menu
-	DEL	Press	Delete selected item
-	Ctrl + C	Press	Copy to clipboard
-	Ctrl + V	Press	Copy from clipboard

Crop Image

Crop the image area. Select product type first and select image type for use. The image type can different by product.

If you check "Resizing after crop" box, Image will be resize automatically after crop.
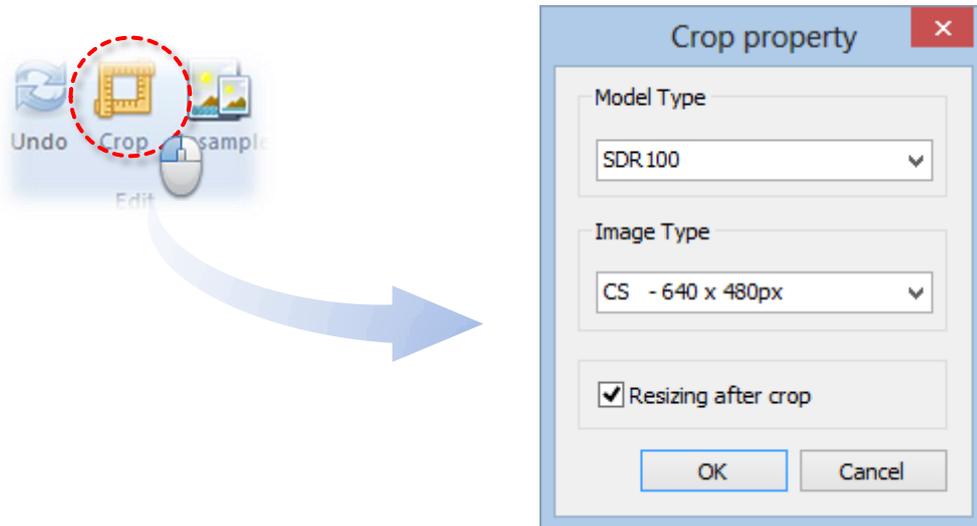
Set Area To Crop

If you select "OK" button on "Set Crop" dialog, Crop UI will display on the screen. You can also resizing crop box and move by mouse drag.

Move crop box (Click + Drag)

Resize bar (Click + Drag)

Right mouse button click to Do crop

Crop(O)	Ctrl+O
Cancel(Q)	Ctrl+Q
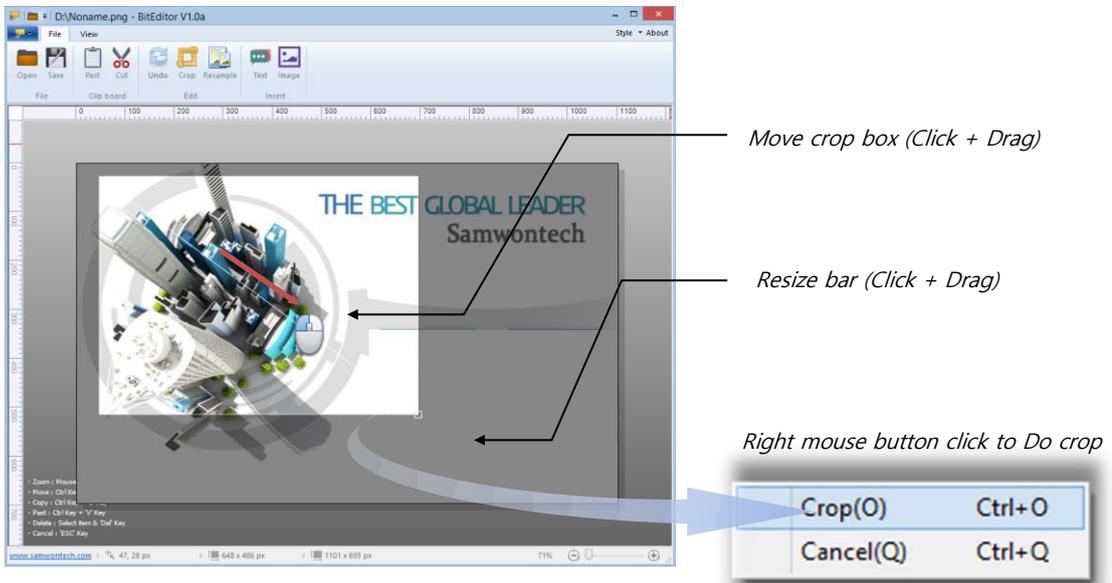
Resampling

Resize the image to compatible resolution. The resolution can different from use for image types. If you check the "Resizing after crop" box in crop dialog, you don't need to this process.

Resampling

RESIZE INFO

MODEL : SDR100

TYPE : CS - 640 x 480px

CURRENT SIZE : 1101x695px

TARGET SIZE : 640x480px

OK   Cancel
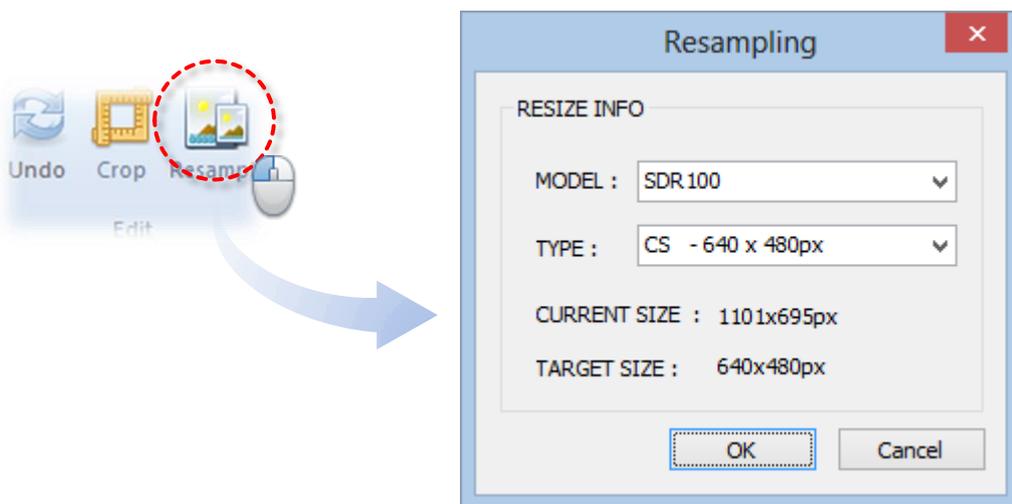
☞ *In case make for SDR100 series, CS image type*

SDR100 CS Image

1024 X 768 Pixel

480 Pixel

640 Pixel
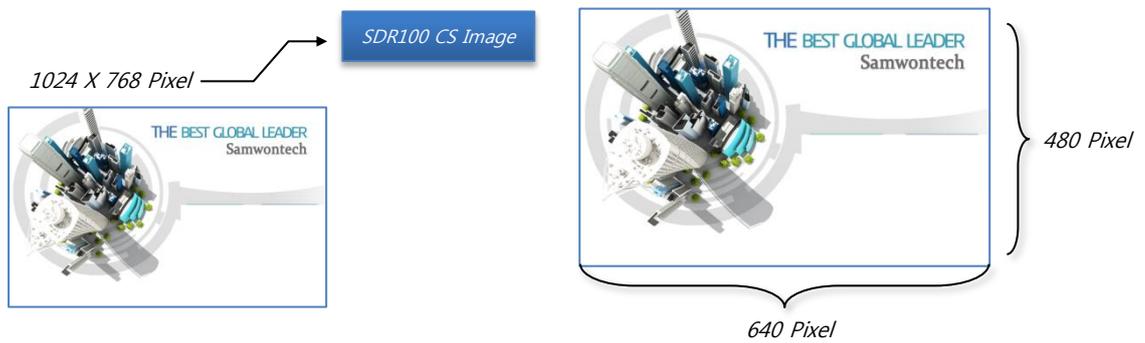
☞ *You can check result of image resampling on the status bar.*

640 x 480 px

Check the status bar on screen below
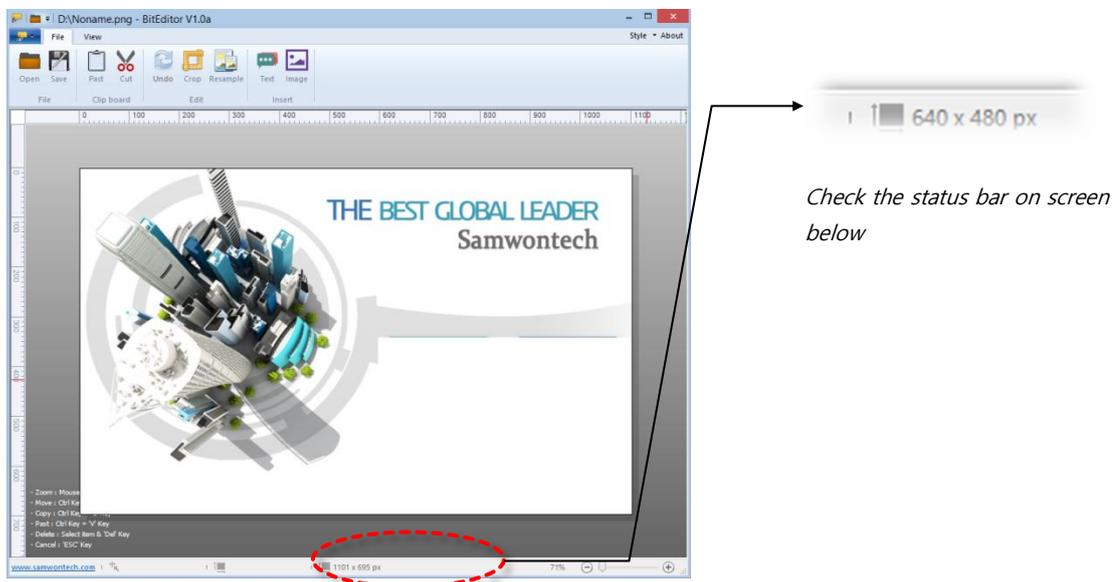
Resolution of Product

Product	Image type	resolution
1000 Series	DI	640 x 380
2000 Series	CS	640 x 480
	DI	520 x 422
	INIT	640 x 480
3000 Series	CS	640 x 480
	INIT	640 x 480
SDR100	CS	640 x 480
	INIT	640 x 480

DI : DI Error screen, CS : User screen, INIT : System boot screen

2.1.2 Save To File

Samwontech product support 16Bit bitmap format only. Select ribbon menu "file" tab and select "save" sub-menu.

Check image format
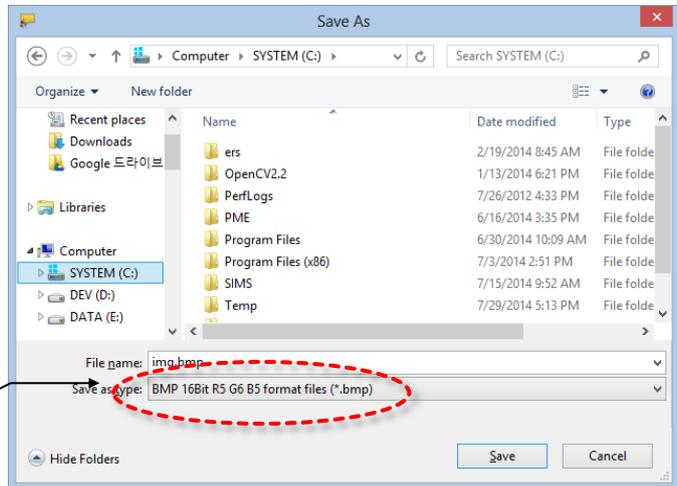
2.2 ADD TEXT AND IMAGE

2.2.1 Add Text

1 Select ribbon menu "file" tab and select "Text" sub-menu. 🕆

Select button -> mouse cursor will be change.

2 Click on image screen 🕆

Text designer dialog
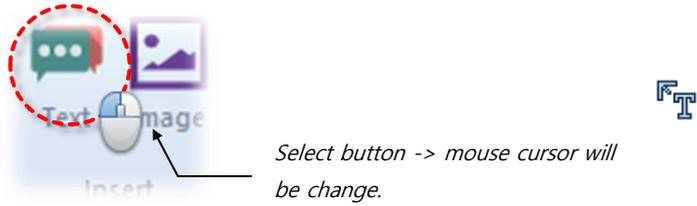
Select text position
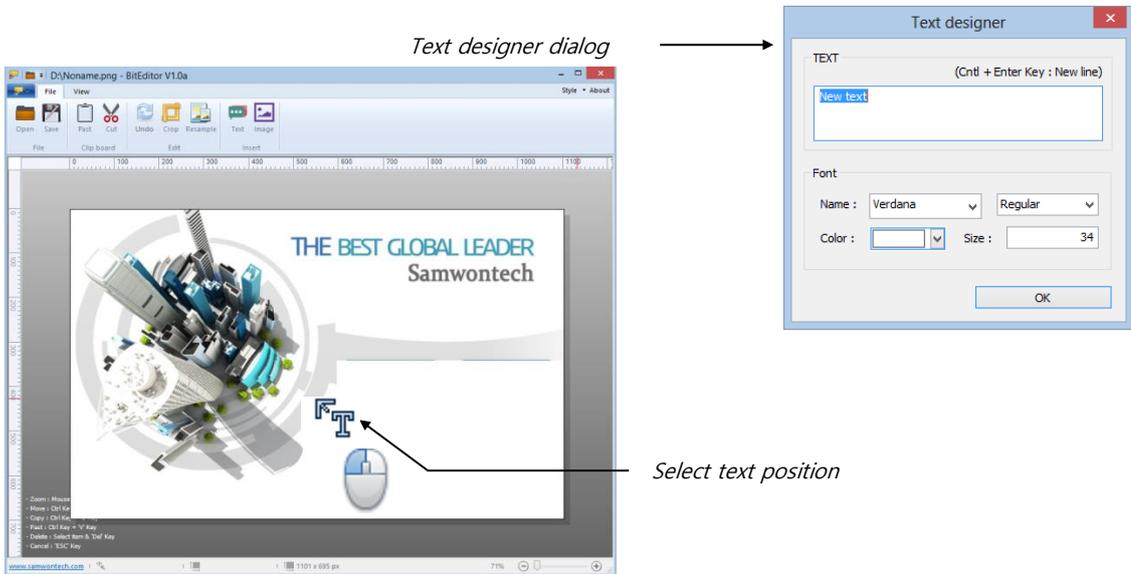
🜀	**Information**
· The text box can move by mouse drag and delete by press "DEL" key.	

2.2.2   Add Image

1 Select ribbon menu "file" tab and select "Image" sub-menu. 🖱
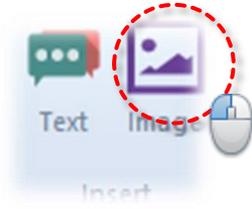
support multi file select
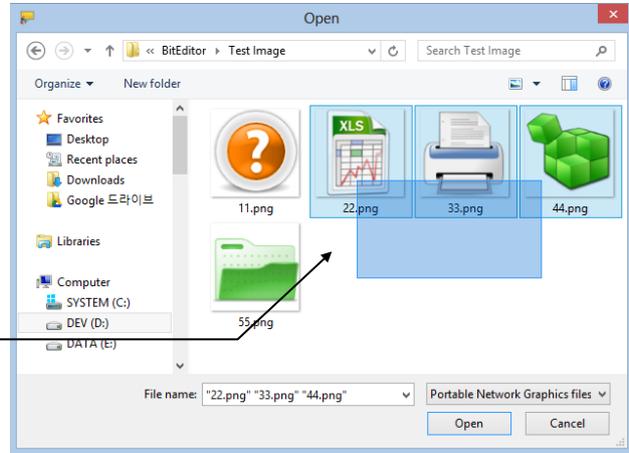
2 Select image items and arrange to desire position.
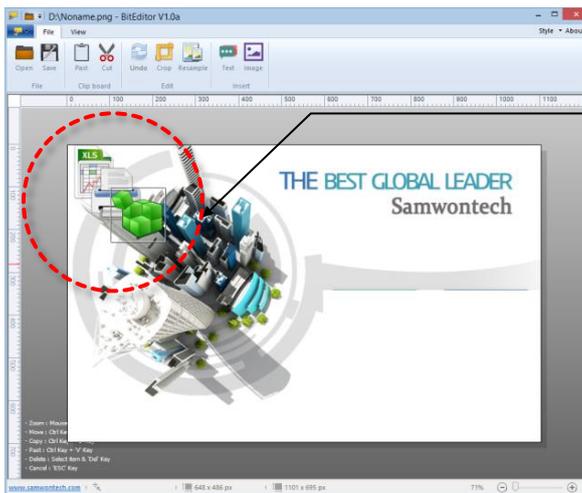
Click and drag

3 To resize image item, click mouse right button and select "Resizing" on menu.
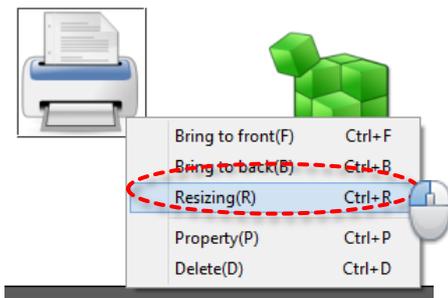
Resize able by control bar

2.3 CLIP BOARD DATA COPY
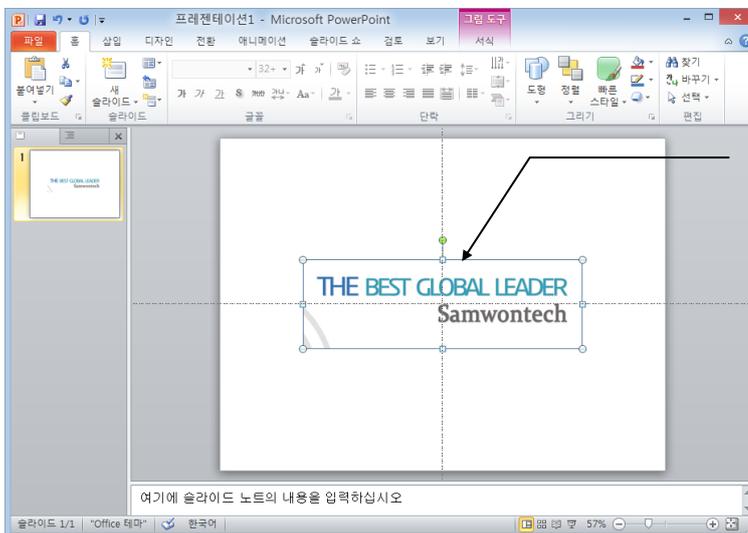
2.3.1 Copy image to clipboard

You can copy the image to clipboard

1 Select image area by mouse drag, Select ribbon menu "file" tab and select "Cut" sub-menu ᠀

· You can also use "*Ctrl + C*" *keys*
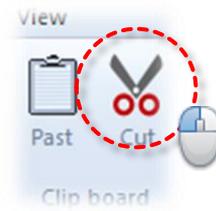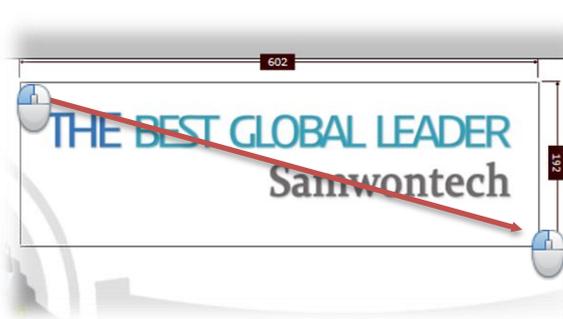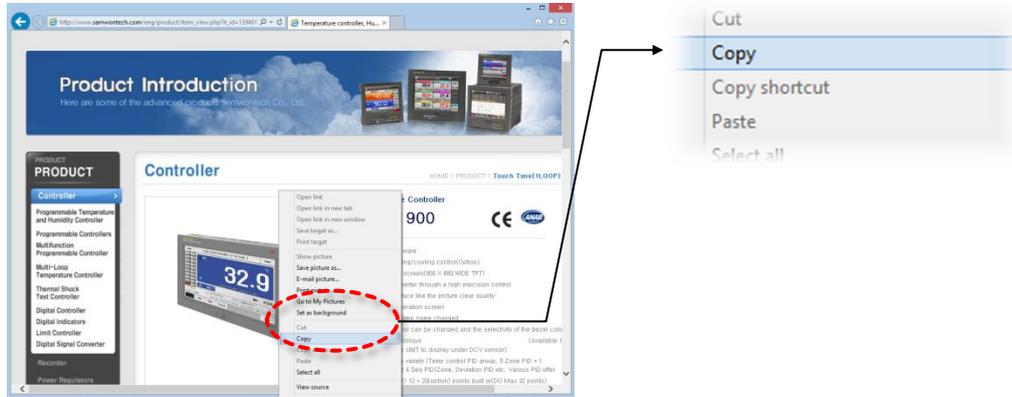

2 "Past" clipboard data to another editable program.
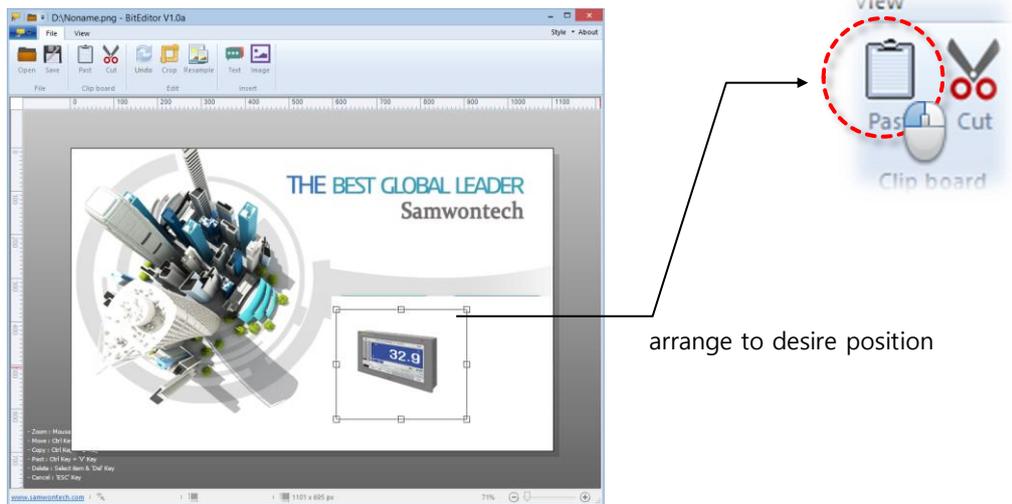

Past clipboard data

2.3.2 Past clipboard image data to image

1 Copy image to clipboard data by internet web-browser or another editable program

2 Select ribbon menu "file" tab and select "Past" sub-menu ⏻
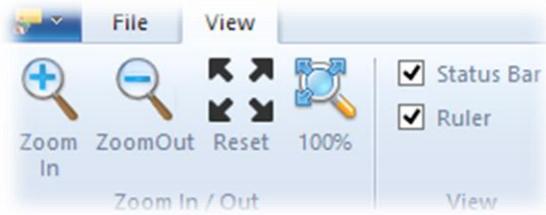
· You can also use "*Ctrl + V*" keys

arrange to desire position

🔵 **Information**

· The method can be different that how copy image to clipboard data.
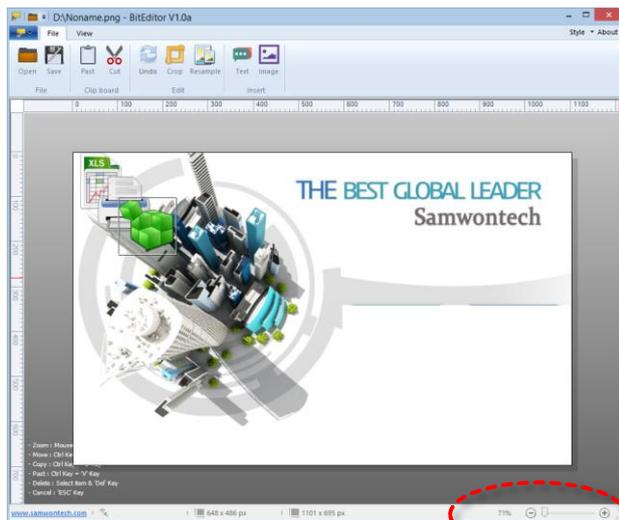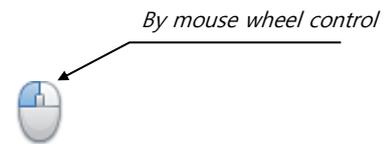

2.4 DISPLAY ZOOM IN/OUT

To set display method, select ribbon menu "view" tab and select sub-menu

2.4.1 Zooming

Perform display zoom in / out. It can also use mouse wheel up or down scroll.

☞ *In case the image size smaller than program screen size, it will be disable zoom/panning.*

By mouse wheel control

Zoom ration display on the status bar

2.4.2 Reset view and original image size view

To set display image on the screen, select ribbon menu "view" tab and select "Reset" or "100%" on sub-menu. The "Reset" menu will fit image to screen size, while "100%" menu will display image with original size.
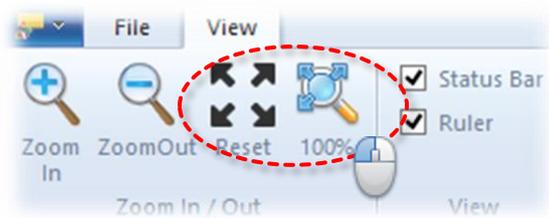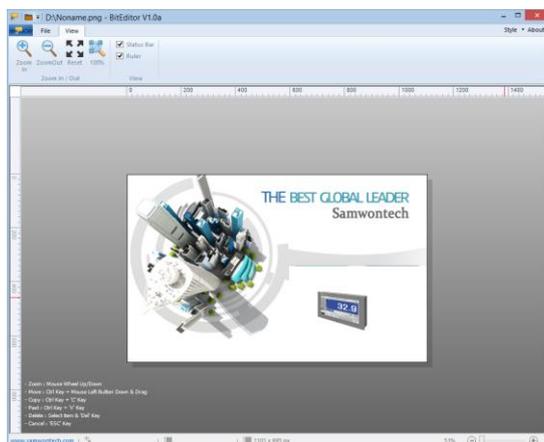

Image fit to window size.

Image display with original size

MEMO