



Digital Photo Printer **DS-ID400**

ID Photo Template Editor Setting Guide

This document describes how to use ID Photo Template Editor to create layout templates for the DS-ID400.

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About the ID Photo Template Editor

This document describes how to use ID Photo Template Editor to create layout templates for the DS-ID400. You can make multiple templates for different applications.

Templates created using ID Photo Template Editor can be used with DS-ID400 printers on which firmware Ver. 2.00 or later is installed.

For the latest information on compatible printers, visit the following Web site.
<http://dnpphoto.net/support-e/>

Preparation

Operating Environment

The ID Phot Template Editor requires an IBM PC/AT-compatible personal computer with the following operating environment.

Operating system

- Microsoft Windows XP
- Microsoft Windows Vista
- Microsoft Windows 7

Display monitor (recommended)

At least XGA (1024 × 768 pixels) and 24-bit color

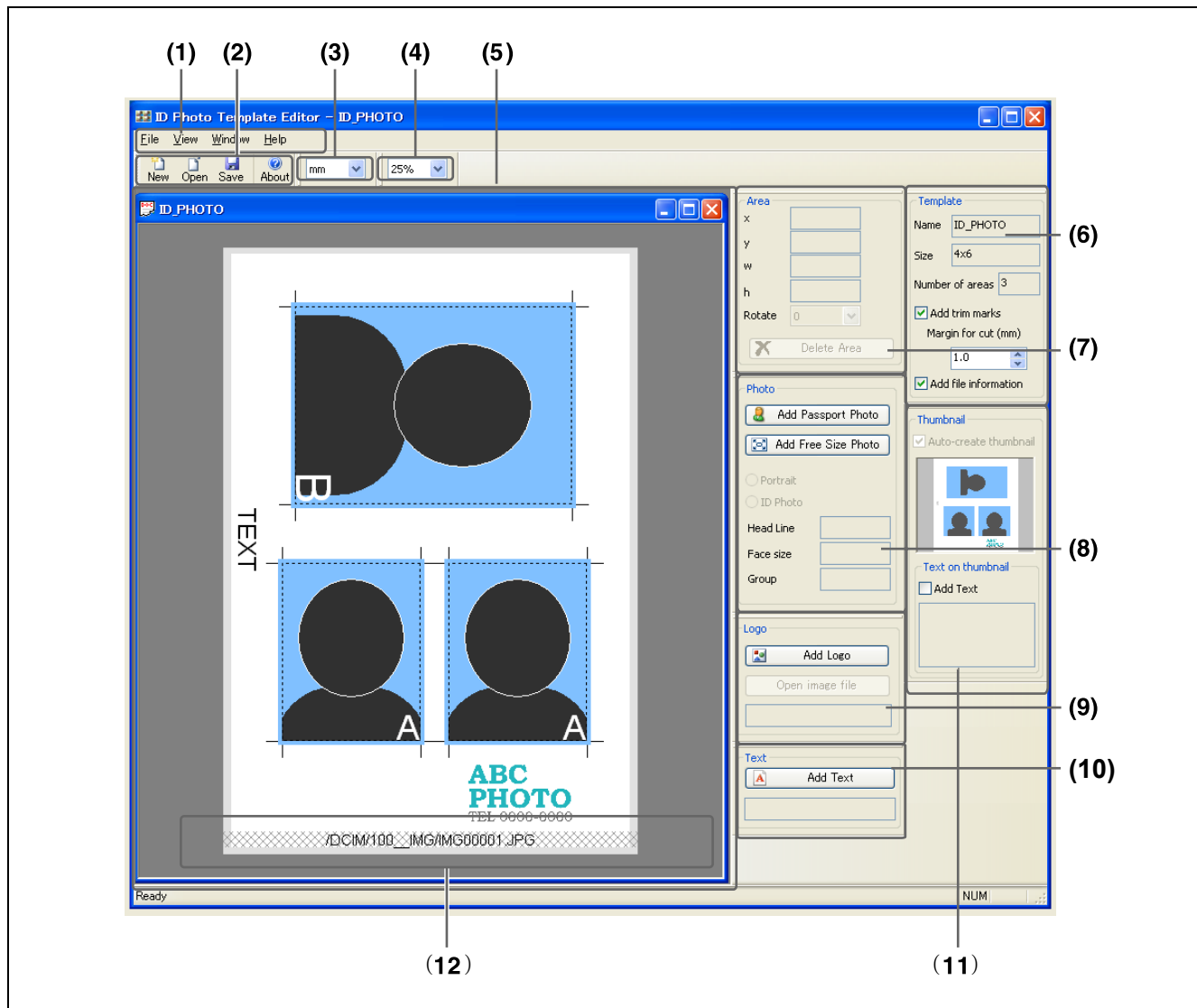
For the latest information on compatible printers, visit the following Web site.

<http://dnpphoto.net/support-e/>

Installation

- 1 Double-click the msi file.
- 2 Read the information in the displayed dialog, and click the [Next] button as instructed. The dialog will display a message indicating that installation has been completed.
- 3 Click the [Close] button to close the dialog.

Parts of the Screen



(1) Menu bar

The menu bar is used for creating new files, saving files, and changing what is displayed on the screen.

[File] menu: Provides commands for operations such as creating and saving template files.

[View] menu: Toggles display of the toolbar and status bar on/off.

[Window] menu: Switches template preview between [Cascade] and [Tile] layouts.

[Help] menu: Displays version information for ID Photo Template Editor.

(2) Toolbar

Used for editing the template.

(New) button: Creates a new template file.



(Open) button: Opens an previously saved template file.



(Save) button: Overwrites the existing template file.



(Help) button: Displays version information for ID Photo Template Editor.

(3) Units selection bar

Switches the units used for image area display. Available units are pixels, inches, and mm.

(4) Display zoom selection bar

Toggles the amount of zoom used with template preview. Available zoom sizes are 25%, 50%, 75%, and 100%.

(5) Template preview (main view)

Displays a preview of the template. Editing of the template is performed here.

Paper area (light gray): The area that is surrounded with lightgray shows the paper size. The edge of paper (2 mm) is shown by the light gray area.

Safe area (white): The area surrounded in white is printed. Position image areas so that they fit entirely inside this area. Any part of an image that is outside the safe area may not be printed.

Image area: One image can be placed in each of these areas. The number, size, and position of image areas can be set arbitrarily.

Logo area: One logo image can be placed in each of these areas. The number, size, and position of logo image areas can be set arbitrarily.

Text area: One text can be placed in each of these areas. The number, size, and position of text areas can be set arbitrarily.

(6) [Template]

Displays information related to the template being edited.

[Name]: Displays the name of the template.

[Size]: Displays the size of the template.

[Number of areas]: Displays the total number of image areas on the template.

[Add trim marks]: Select this check box to add trim marks on the corners of the photos.

[Mergin for cut]: Displays/edit size. It allows you to print image at a size larger than the selected frame size so that it becomes the target size when the image is cut.

[Add file information]: Select this check box to add an area for printing file information.

(7) [Area]

Used for confirming information and editing settings of the image area selected.

[x]: Display/edit horizontal coordinate.

[y]: Display/edit vertical coordinate.

[w]: Display/edit width.

[h]: Display/edit height.

[Rotate]: Display/edit direction of image.

[Delete Area]: Delete the area.

(8) [Photo]

Used for configuring the type of templates to create and configuring ID photos.

[Add Passport Photo]: Add an ID photos image area to the template that is being edited. Select a stored/saved ID photo template from the list. The facial area of the image data will be adjusted to fit the face position specified in [Head Line] and [Face Size] when printed.

[Add Free Size Photo]: Add an image area to the template that is being edited. The mouse cursor changes to an addition “+” symbol. Place the cursor in the position you want to add an image area and drag the cursor to define the size of the image area.

[Portrait]: Create templates for portrait images. The image data will fill the entire image area when printed. If the aspect ratio of the image data and the image area do not match, the image will be adjusted to prevent blank spaces.

[ID Photo]: Create templates for ID photos. The facial area of the image data will be adjusted to fit the face position specified in [Head Line] and [Face Size] when printed.

For details on adjustments and controls on the printer, refer to the operating instructions for the printer.

[Head line]: Enter the distance between the top of the image area and the top of the head.

[Face size]: Enter the size of the face.

(9) [Logo]

Used for configuring the type of templates to add logo images.

[Add Logo]: Add a logo image area to the template that is being edited.

[Open image file]: Select an image file used for the logo. The bmp or JPEG format image can be selected.

(10) [Text]

Used for configuring the type of templates to add texts.

[Add Text]: Add a text area to the template that is being edited.

[Input text] box: Display/edit the text of the area being selected.

(11) [Thumbnail]

Used for display and editing details of thumbnail image preview. Thumbnail images will be saved to the template storage folder in BMP format. You can use these to confirm the templates on a computer, for example.

[Auto-create thumbnail] check box: Select this check box to update saved thumbnail images when saving the template.

Thumbnail images are also saved when saving a newly created template.

[Add text] check box: Select this check box to add text to thumbnail images.

(12) File information display area

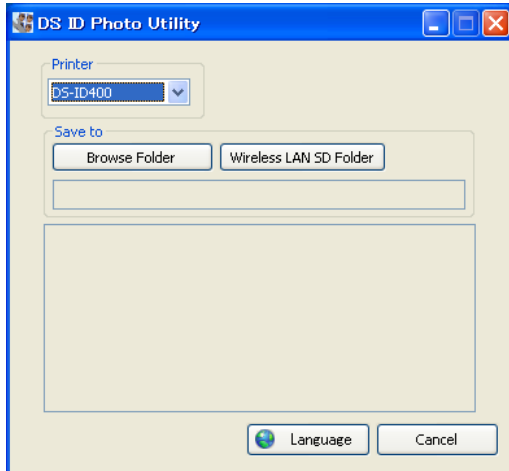
When the [Add file information] check box is selected, the file name and shooting date and time will be displayed. The text size will be automatically adjusted so that all the file information is displayed within the area. As a result, when the information is printed, it may be difficult to read if the area is small.

To print the file information, enable file information printing on the printer.

Basic Operation

Opening ID Photo Template Editor

- 1 Double-click the  (DSIDPhotoUtility.exe) icon.
The [DS ID Photo Utility] screen appears.



- 2 Select the model name of your printer from the [Printer] drop-down list.

A settings file for the printer selected here will be created.
- 3 Click the [Browse Folder] or [Wireless LAN SD Folder] button and select a target location (folder) for saving files.

[Wireless LAN SD Folder] button:

Searches out a drive where a wireless LAN SD card is inserted and specifies the wireless LAN SD card folder as a target location (folder) for saving files. When a file is saved, the following folder is automatically created in the wireless LAN SD card.

For the DS-ID400

\DNP\DSID400\ IDPhoto\none\<paper size>\

Note

Remove the wireless LAN SD card from the printer and insert. The card removed from a camera cannot be specified as a target location (folder) for saving files.

[Browse Folder] button:

A dialog is displayed. Click a folder and select a target location (folder) for saving files. You can also specify an expansion SD card as the target location. When a file is saved, the following folder is automatically created.

For the DS-ID400

<folder specified as storage location>\DNP\DSID400\ IDPhoto\none\<paper size>\

Note

CD or DVD drives cannot be specified as a target location.

- 4 Click the  (Template Editor) icon.

This opens ID Photo Template Editor.

To change language setting

- 1 Click the [Language] button.
The [Option] screen appears.
- 2 Select the language name from the [Language] drop-down list.
- 3 Click the [OK] button.
The language is applied after rebooting the utility software.

Note

- The initial setting is English.
- The settings are saved to a file which you select on the [Setting file] box.
- The settings may not be removed when you uninstall the software depending on your computer or the place a setting file saved. Please remove the setting file before uninstall the software.

To close ID Photo Template Editor

Click the  button in the upper right corner of the screen or click [Close] in the [File] menu.

Creating a Template

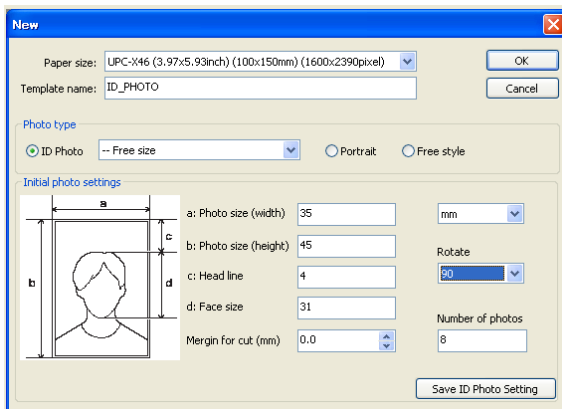
You can create new templates.

You can create ID phototemplates for printing only the area around the face, or portrait photo templates for printing the entire image.

Creating ID photo templates

- 1 Click the  (New) button on the toolbar or select [New] from the [File] menu.

The [New] dialogue box appears.



- 2 Select paper size from the [Paper size] drop-down list.
- 3 Enter the name of the template in [Template name].

Note

The characters ? * < > | \ : cannot be used.

- 4 Select a type of templates to create

[ID Photo]: Create templates for ID photos. The facial area of the image data will be adjusted to fit the face position specified in [Head Line] and [Face Size] when printed. When select a stored/saved ID photo setting from the list, the each boxes will be filled out automatically.

[Portrait]: Create templates for portrait images. The image data will fill the entire image area when printed. If the aspect ratio of the image data and the image area do not match, the image will be adjusted to prevent blank spaces.

[Free style]: Create templates with blank sheet.
Add/edit image areas arbitrarily.

- 5 Enter the values of the template to be created.

You can select pixels, inches, or mm as the unit.

- [a:Photo size (width)]: Display/edit width.
[b:Photo size (height)]: Display/edit height.
[c:Head line]: Enter the distance between the top of the image area and the top of the head.
[d: Face size]: Enter the size of the face.

[Rotate]: Display/edit direction of image.

[Mergin for cut]: Displays/edit size. It allows you to printimage at a size larger than the selected frame size so that it becomes the target size when the image is cut.

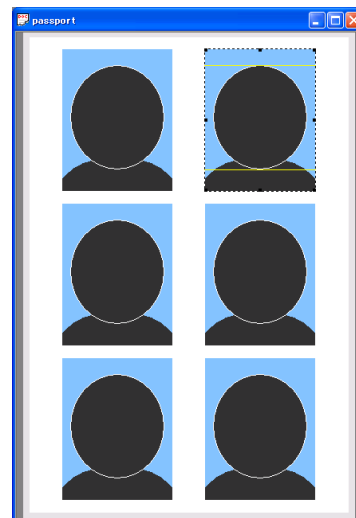
[Number of areas]: Display/edit the total number of image areas on the template. Although the number of areas are adjusted automatically depends on the paper size, image size, rotate and so on. You can change the number of areas arbitrarily.

Note

- The maximum number of image areas that can be created is 50.

- 6 Click [OK].

The image area is created as follows.



Note

- If a size that is larger than the paper size or face size and face that is larger than image area are entered, an image area will be adjusted automatically.
- If 0 or an invalid number is entered, [OK] button will not be enabled and an image area is not created.
- If [OK] button is not enabled, check if the entered values are valied with the bounds of the photo size or the paper size.

To save an template settings

This saves the template settings that has been created. You can create the same templates again by loading the saved template settings. The template settings is saved in the folder shown below.

For the DS-ID400

<folder specified as storage location>\DNP\DSID400\IDPhoto\

Template files (INI format) and thumbnail images (BMP format) are saved to this folder.

- 1 Fill values in each boxes on [New] dialogue. And click [Save ID Photo setting] button.

The [Save setting] dialogue appears.

- 2 Enter the file name using alphanumeric characters in [Template name].

Note

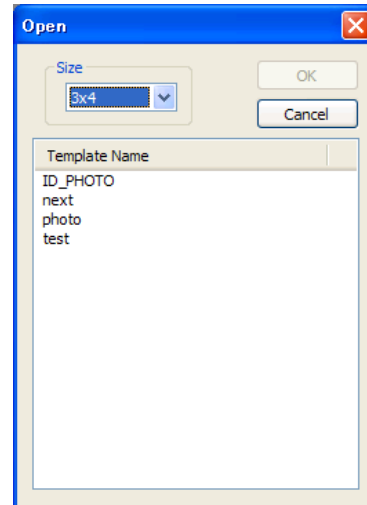
The characters ? * < > | \ : cannot be used.

- 3 Click the [Save] button.

The template settings can be able to select from the [ID Photo] box on the [New] dialogue.

Opening an Existing Template

- 1 Click the  (Open) button on the toolbar or select [Open] from the [File] menu.
The [Open] dialogue box appears.



- 2 Select the size of the template to be edited from the [Size] drop-down list.

Templates that have been saved in the specified target folder are listed in [Template Name].

Memo

If the [Template Name] field is empty, briefly close the Template Editor. Specify the correct target folder in which templates are saved at the DS ID Photo Utility screen.

- 3 Select the template for editing and click [OK].

The template edit screen appears.

Editing a Template

You can edit the layouts of created templates.

Notes

- You cannot cut, copy, and paste areas, nor can you undo or repeat operations.
- An image area that is larger than the paper size cannot be created.
- The pixels specified for each boxes will be automatically adjusted to meet the printer specification. For example, if you enter “23” (pixels), the value will be changed to “24.” When mm or inch units are used, the entered value will be changed only if calculation into pixels will result in an values needed to be adjusted.
- The maximum number of areas (images, logos and texts) that can be arranged on one template is 50.
- Arrange the image areas so that they do not overlap. Saving cannot be performed while image areas overlap. In addition, logo areas and text areas can be placed with overlapped.

To change the size of an area

- 1 Click the image area you want to edit.
- 2 Change or reenter the values for [w] (width) and/or [h] (height) under [Area].

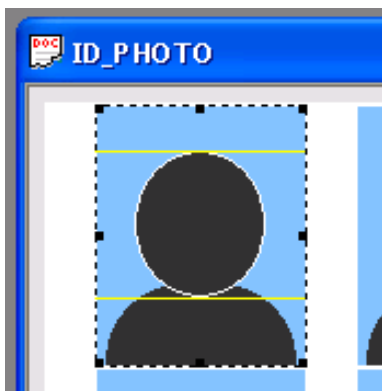
This changes the size of the image area.

Note

If the number 0 or a number that is outside of the paper size is entered, a message appears and the value is returned to the number prior to changing.

Memo

The size can also be changed by dragging a point (up/down, right/left, and 4 corners) displayed for the image area that is selected.



To change the position of an area

- 1 Click the image area for which you would like to change position and drag it to the desired position.

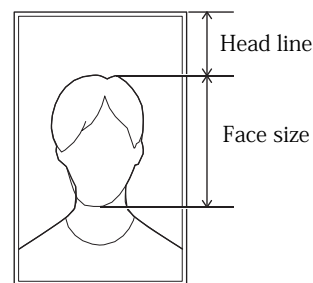
You can also change the position by changing the [x] (horizontal coordinate) and [y] (vertical coordinate) numerical values under [Area], or by using the arrow keys (↑, ↓, ←, →) on your keyboard. The image area moves to the specified position.

Note

If a number that is outside of the paper size is entered, a message appears and the value is returned to the number prior to changing.

To change an image area to ID photo

- 1 Click the image area you want to edit.
- 2 Select [ID Photo] under [Photo].
- 3 Enter the face size in [Face size].



Note

Values for [Head line] and [Face size] that will exceed the image area size cannot be entered.

To change an image area to portrait photo

- 1 Click the image area you want to edit.
- 2 Select the size of the template to be edited from the [Size] drop-down list.
- 3 Select [Portrait] under [Photo].

You can not enter values on [Head line] and [Face size] boxes.

To add an stored/saved ID photo area

You can add an ID photo which is already stored in the software or an ID photo which setting is saved when you created a new template on the software.

To save the new template settings you created, refer the “To save template settings” (page 8).

- 1 Click [Add Passport Photo] button under [Photo]. The list of ID Photos which can be added are displayed.
- 2 Select the ID Photo you want to add and click [OK]. The ID Photo area will be added to the middle of the screen.
- 3 Drag the image area to the position you desire.

To add an free size image area

- 1 Click [Add Free Size Photo] button under [Photo]. The mouse cursor changes to an addition “+” symbol. Place the cursor in the position you want to add an image area and drag the cursor to define the size of the image area.
- 2 Place the cursor in the position you want to add an image area and drag the cursor to define the size of the image area.

Note

The added area is configured as new group. To change group, set a group from [Group] under [Area].

To change an group of the image area

The group function allows you to edit a number of images which setting is the same at the same time or to conform new added image area settings to the other existing area settings. The image areas configured same group name are treated as same. If you change the settings of a image area, this change will be reflected to those of same group areas.

- 1 Click the image area you want to edit.
- 2 Change or reenter the values for [Group] under [Photo].

This group will be changed. If an area with same group name already exists, the settings of the area will be copied to the area you have changed.

To delete an area

- 1 Click the area you want to edit.
- 2 Click the [Delete Area] button under [Area].

The area is deleted.

Memo

- The image area can also be deleted by selecting the image area and pushing the Delete key on the keyboard.

To rotate an area

- 1 Click the area you want to edit.
- 2 Under [Area], select one of [0], [90], [180], or [270] from the [Rotate] dropdown list.

The area is rotated in the clockwise direction.

To add a logo image area

You can add logo images on the template for print. The following file formats is supported for logos.

Supported file formats for logos

The maximum data size that can be read is 8,000 × 6,000 pixels.

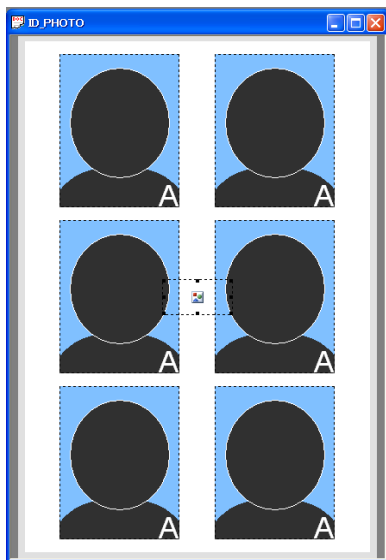
- JPEG
 - JFIF 4:4:4, 4:2:2, 4:2:0 (baseline JPEG)
 - * Progressive JPEG and 8-bit grayscale JPEG are not supported.
- BMP
 - 24-bit Windows format

Note

- Some format versions may not be supported.
- If a file path consists of more than 200 characters or includes non-alphanumeric characters, the unit may not be able to read the file.
- Images with large file sizes may take longer to load and print.
- If you specify the expansion SD card as save folder check if the card has enough free space. If the card does not have enough space saving templates will be failed.

- 1 Click the [Add Logo] button under [Logo].

The logo area with no image is created on the template.

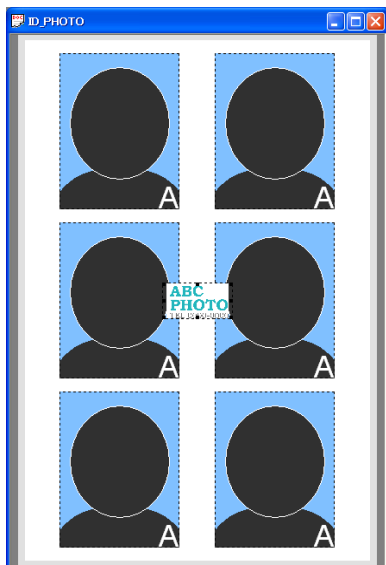


- 2 Click the [Open image file] button under [Logo].

File selection dialogue will be displayed.

- 3 Select a image file you want to set.

The selected image will be placed in the logo area on the template view. The image size is automatically adjusted to fit the area.



Memo

- You can change place, size and rotation of the areas as same as image area.
- To delete area, click the [Delete Area] button under [Area].
- To change logo image, click the [Open image file] button and select a image file again.
- The logo areas can be overlapped on the image area .

Note

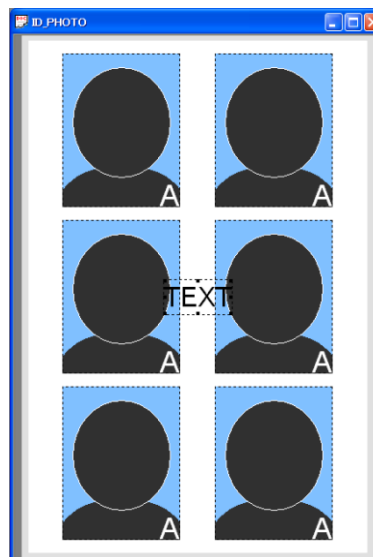
- The preview on the template view should be used only as a guide. The actual prints may differ from the pictures shown.
- When you place logo images on the edge of the paper size, a part of the image may be cut during printing.

To add a text area

You can add text on the template for print.

- 1 Click the [Add Text] button under [Text].

The text area is created on the template.



- 2 Enter the text in the text box under [Text].

The text will be displayed on the template view.

The text size is automatically adjusted to fit the area.

Memo

- You can change place, size and rotation of the areas as same as image area.
- Up to 32 characters (including line breaks) can be entered.
- To delete area, click the [Delete Area] button under [Area].
- To change text, enter text in the text box under [Text].
- The text areas can be overlapped on the image and logo area .

Note

- You can enter only alphanumeric characters and a part of symbolic characters. If you want to use other characters or ornamental text, create an image file including these texts and add image by using [Add Logo] function.
- You can not edit text font, colors and so on.
- The preview on the template view should be used only as a guide. The actual prints may differ from the pictures shown.
- When you place text areas on the edge of the paper size, texts may be cut or not printed during printing.
- You cannot create text areas with empty. If an invalid character is entered, it will be restored before entering.

To add text to thumbnails

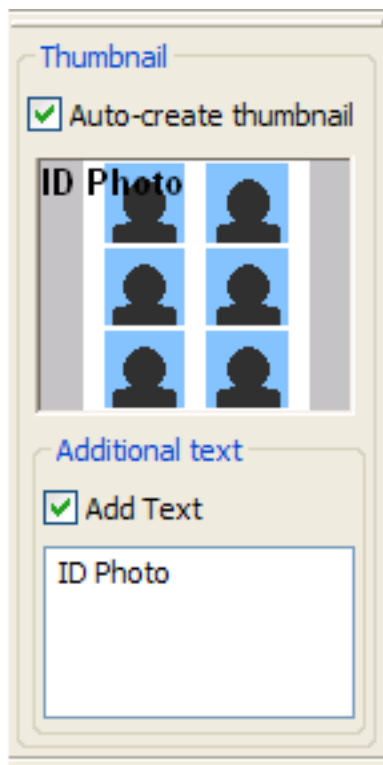
- 1 Select the [Add text] check box under [Thumbnail].

This enables entering text in the text box.

- 2 Enter the text to be added to the thumbnail image.

Up to 64 characters (including line breaks) can be entered on up to 4 lines.

The text is added in the upper left corner of the thumbnail image.



Memo

You can enable text editing on a thumbnail image that has been previously saved by selecting the [Auto-create thumbnail] check box. In this case, both the text changed and the thumbnail image are updated.

Saving a Template

This saves the template that has been edited.
The template is saved in the folder shown below.

For the DS-ID400

<folder specified as storage location>\DNP\DSID400
\IDPhoto\none<paper size>\

Template files (INI format), thumbnail images (BMP format) and copy of the logo image files are saved to this folder.

Notes

- Templates that have overlapping image areas cannot be saved.
- If the target location has no free space, the template cannot be saved.

To save and overwrite templates

- 1 Click the  (Save) button on the toolbar or select [Save] from the [File] menu.

To save templates under different names

- 1 Select [Save as] from the [File] menu.

The [Save as] dialogue box appears.

- 2 Enter the file name using alphanumeric characters in [Template name].

Note

The characters ? * < > | \ : cannot be used.

- 3 Click the [Save] button.

Using Templates with Your Printer

In order to use the template files with the printer, you must save (copy) the files onto an expansion SD card, and insert the card into the printer.

- 1 Copy the DNP folder from the specified target folder to an expansion SD card. And copy the DNP folder and all of its contents to the root of the expansion SD card.

Memo

If you specified the expansion SD card as the target location for saving files in the [DS ID Photo Utility] screen, you do not need to copy the files.

Insert the expansion SD card into the printer.

- 2 Select the created template on the printer.
- 3 For further instructions, refer to the user's manual that came with your printer.