

040b73747265616d747970656481a203840163c48403737373810a0a810b0b815f5f84012584067f411b312d37OneVision-Image: Import and Export ± Scanners ± Agfa Arcus/Arcus plus

445329_paste.tiff ↗ Agfa Arcus/Arcus plus

This OneVision-Image tool enables you to import images from peripheral devices. For scanning pictures with the Agfa Arcus/Arcus plus, select this scanner from the *<Import>* options list in OneVision-Image's *Import and Export* panel. If this option is not in the list, you first have to load the scanner module, a procedure described in the chapter *<Add Modules to Configuration>* (;../OneVision/MainMenu/Info/ModuleController.rtfd;ModulLaden;↗).

There are two ways to load an image with this tool:

1. Importing images as new OneVision elements
2. Importing images into existing (and selected) element frames

Import Image as New Element

To import an image as a new element:

- Select the appropriate scanner from the *<Import>* pop-up list. The *Import and Export* panel will include settings for the selected scanner.
- Scan your image as described in the *<Scanning>* section (;TMSAgfaArcus.rtfd;Bedienung;↗) below.
- Draw a new element frame. An attention panel will ask you to confirm whether or not you want the scanned image to be transferred into this frame.

Import Image into Existing Element

To import an image into an existing element, select its frame and scan the image as described in the *<Scanning>* section (;TMSAgfaArcus.rtfd;Bedienung;↗) below. Click *<Transfer Image>* to place the scanned image into the element. Any existing image in the selected element will be discarded. You can only transfer

images into OneVision-Image elements.

Scanner Installation

Connecting the Scanner

The Agfa Arcus/Agfa plus is connected to your NEXTSTEP computer by a SCSI interface. You will need the correct cable and (depending on your system configuration) possibly a SCSI terminator (available from your OneVision dealer). After you have connected the scanner, enter the SCSI address with which the scanner will communicate. Please see your scanner manual for more information on how to set the SCSI address.

Note: If you switch on your scanner before starting the computer, the scanner won't be initialized correctly and a scanner error may occur. Always switch on your scanner after your computer, or switch your scanner off and on again after starting your computer.

Installing the Scanner Driver

The Agfa Arcus/Arcus plus driver is included in OneVision and will automatically be installed when you install OneVision and load the Agfa Arcus/Arcus plus module. For details, see the section <Add Modules to Configuration>

(;../OneVision/MainMenu/Info/ModuleController.rtf;ModulLaden;¬) in the <Module Controller> chapter. The driver's file name is *TMSAgfaArcus.1Vmod* and it is located in the *OneVision.app* folder.

Note: You must have a license for the scanner driver to use it successfully; for details, see <Licensing OneVision and Modules> (;../OneVision/MainMenu/Info/Licensing.rtf;¬).

If you try to scan when all of your SCSI drivers are already in use, the following attention panel will appear:

600494_paste.tiff ¬Figure: Attention panel, indicating a SCSI error.

Clicking <Cancel/> in the panel will abort the scan operation. You can also choose to stop the program that is currently using the SCSI driver and click <Retry> to restart the scan operation.

Bedienung;↗Scanning

After selecting a scanner from the <Import> pop-up list, the *Import and Export* panel displays additional scanning options and controls.

Scanbereich;↗Scan Area

767584_paste.tiff ↗ *Figure: Portion of the scanner panel for defining the scan area.*

In these four entry fields, you can define the rectangle that will be scanned.

868361_paste.tiff ↗ and 965102_paste.tiff ↗ specify the position of the upper left corner.

76446_paste.tiff ↗ and 187786_paste.tiff ↗ specify the width and height of the scan area.

You can also use the mouse to draw a rectangle in the scan window (visible if you have already performed a scan operation) or in the prescan window. The position and size of the rectangle are displayed in the scan area while you draw the frame. You can change the scan area by holding down the mouse button while dragging a frame handle.

The entire scan area frame can be moved by holding down the *Shift* key while dragging the frame with the mouse.

Units of Measurement

As always in OneVision, you can choose your preferred units of measurement (;../OneVision/WorkingIntro/Units.rtf;;↗).

Justierung;↵Settings

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Figure: The settings of the Agfa Arcus scanner panel.

Brightness

The <Brightness> slider allows you to determine the brightness of the scanned image. The higher the value for brightness, the lighter the image will appear. You can also enter numerical values for brightness in the entry field below the slider. To take effect, entries have to be registered with the *Return* key. Only values between 0% and 100% are allowed.

Contrast

The slider for <Contrast> increases or decreases the contrast of the scanned image. As with the brightness control, the value for contrast may also be entered numerically in the entry field below the slider. The settings for contrast are enabled only if you use the <B/W dithered> scan mode.

Auflösung;↵Resolution

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This entry field lets you specify the resolution of the scanner. The entered values must be in the range from 1 dpi to 600 dpi.

Scanmodus;↵s/w;↵s/w gerastert;↵Graustufen;↵Farbe;↵Scan Mode

The scan mode option provides a pop-up list where you can select how to scan an image:

B/W

Each pixel will be converted to either black or white corresponding to the value set for brightness. This mode works best for line

drawings. Every 8 pixels require 1 byte of memory.

B/W dithered (screened)

Each pixel will be converted into clusters of dots, each of which will be black or white. This mode is especially useful for output to a monochrome device such as a laser printer. Every 8 pixels require 1 byte of memory.

Grayscale

Each pixel will be converted to a gray value from 0 to 255. 1 byte of memory is required for each pixel.

Color

In this mode, 24 bits are used to express the color value of each pixel. With this information, 16.7 million different colors can be displayed. For each pixel, 3 bytes of memory are required.

Rahmenfarbe; ▸ Frame Color

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This color well icon allows you to set the color of the frame surrounding the scan area.

Aktion; ▸ Commands

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Prescan

This command provides a fast scan to give you a rough impression of the scanned image. This is useful for determining exactly the area you want for your final scan. When using *<Prescan>*, your copy will be scanned with a fixed resolution of 50 dpi and a zoom factor of 100%, and the image will be displayed in a special *Prescan* window. The following settings are used with the prescan command:

- Scan Mode
- Brightness

- Contrast
- Inverse (from the *Agfa Arcus Specials* panel)

Scan

The selected portion of the image will be scanned, and the scanned image will be displayed in a new *Image* window.

Spezial...; ↗Specials

This panel contains scanning options and controls that rarely need to be changed.

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Figure: The panel for the special settings for scanning.

Shadows/Highlights

These parameters are only important for grayscale scans. The normal value for shadows is 0, for highlights 50. Higher values for shadows lighten the image. Lower ones for highlights darken it.

B/W Dithering

From this pop-up list, you can choose among different matrix sizes for use with the *<B/W Dithered>* scan mode.

Gamma Curve

The Agfa Arcus contains four built-in gamma correction curves. This pop-up list enables you to select one or none of them. If you are using an Arcus plus, the entry *<Gamma 1,2>* isn't available, because the Arcus plus doesn't use this gamma value.

Inverse

If this button is checked, all scanned data will be inverted.

Transparency Module

Check this button to use the Agfa Arcus transparency module.

Transfer Image

Clicking this command transfers the scanned image from the selected scan window (i.e. the *Prescan* or *Image* window) into the selected OneVision-Image element frame of your document. Also dragging a new OneVision-Image frame automatically imports the image from the selected scan window