

040b73747265616d747970656481a203840163c48403737373810a0a810b
0b815f5f84012584067f411b312d37OneVision-Image: Import and Export ±
Scanners ± Agfa Horizon

445329_paste.tiff ↵ Agfa Horizon

This OneVision-Image tool enables you to import images from peripheral devices. For scanning pictures with the Agfa Horizon, 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.rtf;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.rtf;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.rtf;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 Horizon 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 Horizon plus driver is included in OneVision and will automatically be installed when you install OneVision and load the Agfa Horizon 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 *TMSAgfaHorizon1Vmod* 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:

655470_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

457336_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;\;↵).

LUT;¬LUT

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Figure: The settings for LUT of the scanner panel.

Minimum/Maximum

These sliders specify the minimum and maximum brightness values recognized by the scanner. You can also enter numerical values in the entry fields below the sliders. To take effect, entries have to be registered with the *Return* key. Only values between 0% and 100% are allowed. If the *<Auto>* options are activated, the scanner will calculate appropriate values itself.

Contrast

With this slider you can increase or decrease the contrast with which the image will be scanned.

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 1200 dpi.

Scanmodus;¬S/W;¬Grau;¬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.

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.

Scanart; ↗Ext. Mode

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From this pop-up list, you can choose whether you want to scan in reflective or transparent mode.

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 *Specials* panel)

Scan

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

Spezial ...;¬Specials

This panel contains options and parameters for scanning which only seldom need to be changed.

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Figure: The panel for the special settings for scanning.

Entrastern;¬Descreen

In this entry field, you can specify the line screen frequency for scanning. This line screen will only be used if you check the <Active> button.

Farbkanal;¬Color Channel

This pop-up list allows you to choose the color channel that should be used when scanning in B/W or grayscale mode.

Weißabgleich;¬White Balance

This portion of the panel defines the color "white" for the purpose of scanning.

Qualität;¬Preview;¬Normal;¬Hoch;¬Quality

From this pop-up list, you can select the quality of the scanned image:

- Preview
- Normal
- High

Inverse

If this option is activated, all scanned data will be inverted.

Vorscanngröße;¬Prescan Size

The pop-up list on the left of this panel offers a variety of standard formats for setting the prescan size.

Diarahmen ...;¬Holders

This command button enables scanning using transparency holders and brings up the following control panel:

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Figure: The panel for using transparency holders

In this panel you can select the size and position of the transparency holder you want to use.

Bereich;↵**Exposure;**↵*High/Shadows;*↵*Dmin/Dmax;*↵**Range**
Min/Max
Dmin/Dmax
Exposure

Gamma;↵**Gamma**

This slider lets you set gamma values for use during scanning. The value can also be entered numerically in the entry field on the right.