

## Configuration

During the installation the miroVIDEO DC10 configuration program starts automatically. You can use the configuration program to test your miroVIDEO DC10 board and to analyse your computer system.

If you want to start the configuration program later, double-click the program icon in the miroVIDEO DC10 program group.

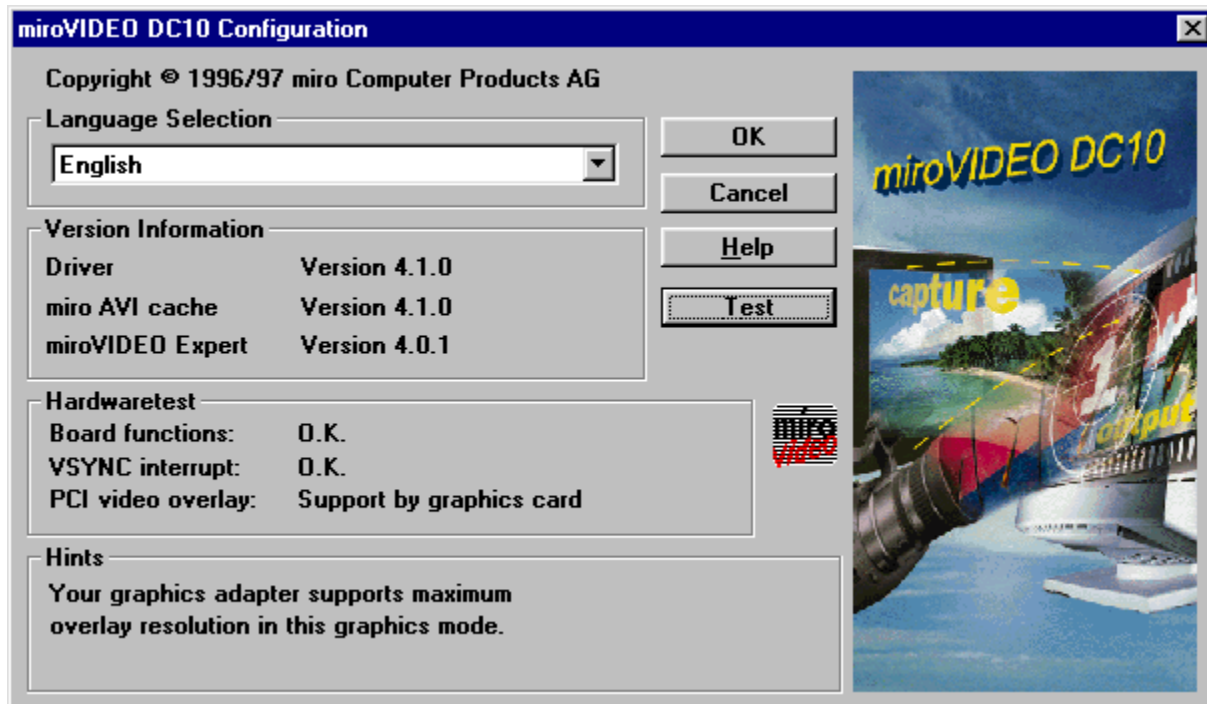
You get information about:

### *Language selection*

The miroVIDEO DC10 language selection dialog box always displays the language you chose for the miroVIDEO DC10 installation. If necessary, select another language.

### *Driver version information*

Here you find all drivers, programs, and the corresponding version number used by miroVIDEO DC10.



[Test](#)

## Test

Click *Test* to test the hardware.

### *Testmodes*

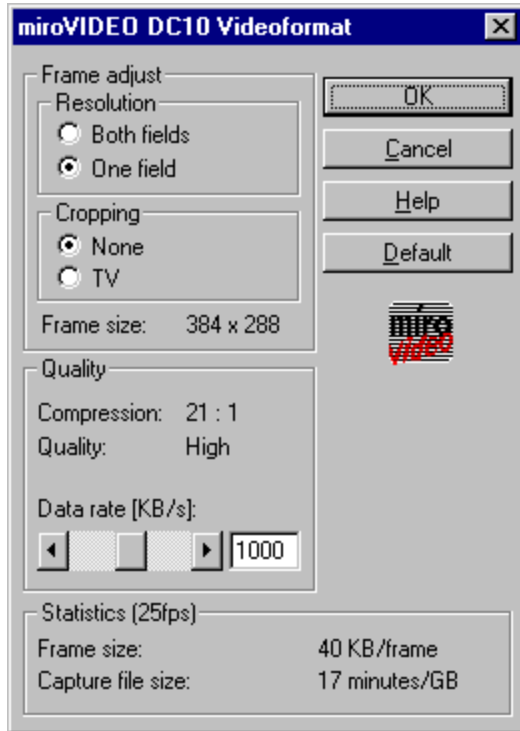
Specifies if all miroVIDEO DC10 components function correctly. In case of a malfunction, you will be notified. In this case, please insert the miroVIDEO DC10 board into another slot.

If your graphics board supports the PCI (digital) overlay, the program detects this and displays a message. If you change the current resolution, it may happen that the digital overlay is not supported for this resolution.

If you selected a very high resolution, color depth, and refresh rate you will receive a message during the test notifying you that the digital overlay is not supported. In this case, lower the resolution and the color depth and test the hardware again.

## Video Format

To open the *Video Format* window, use the *Setup* menu item and the *Video format* command (MediaStudio: Video Capture).



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## Frame adjust

Here you can select the **image size** of the video clip:

### *Resolution*

If you enabled *Both fields*, *Both fields* are recorded, when enabling *One field*, only one field is digitized.

### *Cropping*

Here you can select the **image section**.

When enabling *None*, you capture the complete TV image including the image margin which normally is not visible on the TV screen.

When enabling *TV*, you choose the normal TV image size. The complete captured video is shown on the TV monitor. Image data from the image margin which are not important will be omitted and the quality increases.

## Quality

### *Data rate*

Here you can determine the *Data rate* you want to use for capturing the video clip. The data rate is shown in KB per second.

To get an idea which data rate you should select, test your system!

## Statistics

The *Statistics* inform you about the frame size and the file size that will be achieved for the settings you chose.

## Default

The *Default* button resets all image settings to default values.

## Video Source

The *Setup* menu item and *Video Source* command (MediaStudio: Video Capture) allow you to select the video source, and contain options for setting the video quality.



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## Input

Here you can select the *miroVIDEO DC10Video input* to which the video source connects: composite or S-Video. This setting remains unchanged. If you connect a video source to another video input, you have to select the other input. If not, no video image appears on your monitor.

If you connect a video source supporting another video standard than the one selected, choose the correct [Standard](#).

## Standard

Here you select the video standard of a video source: *PAL*, *NTSC*, or *SECAM*.

## Video loopthrough

Depending on the connection you chose (**one** VCR connected to the miroVIDEO DC10 video input and to the video output), you have to enable the *Video loopthrough* option.

If miroVIDEO DC10 is not active, that is if no video clips are recorded nor played back and the *Video loopthrough* check box is enabled, a feedback between the VCR and the miroVIDEO DC10 may occur which causes disturbing effects. To avoid this disable *Video loopthrough*.

## Display

The *Display* field lets you select the *Brightness*, the *Contrast*, the *Saturation*, and the *Sharpness*. You can preview the video image simultaneously as you change the settings (except for the sharpness on the digital overlay). The higher the sharpness setting, the higher the data rate. For noisy or bad footage you should lower the sharpness setting.

While you change the values using the slider, distortions may occur in the preview or in the overlay.

## NTSC options

If you selected *NTSC*, you can select special NTSC options: *Comb Filter* is a filter especially designed for NTSC which improves the composite signal quality. You can only enable *Comb Filter* if you selected a composite input.

Enable the *4.433 MHz color carrier* option, if your source offers this color carrier. If there is no color in the preview or in the overlay, change the setting for this option.

## miroVIDEO DC10 Control

miroVIDEO DC10 Control lets you adjust the miroVIDEO DC10 video output. As soon as you start an application for playing back video (e.g. the Media Player), miroVIDEO DC10 Control starts automatically and is minimized in the task bar.

You can, however, start miroVIDEO DC10 Control before starting an application for editing or playing back video (especially recommended for Adobe Premiere). This ensures that miroVIDEO DC10 drivers remain loaded. In this way, you can access your video clips faster.

⇒ While playing back a video clip, you cannot change the settings in miroVIDEO DC10 Control. The settings take effect after restarting the playback.

Click the miroVIDEO DC10 button in the task bar to open miroVIDEO DC10 Control. Make the required settings. You can also make the settings clicking the right mouse key.



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## Standard

Select the desired video standard for the miroVIDEO DC10 output.

- ⇒ NTSC video clips cannot be played back at a PAL resolution with the full image size and without jerks.
- PAL video clips cannot be played back at an NTSC resolution.

## Output device

This option improves the video output: *Super-Video*, *Composite Video*, *Window (accelerated)*, *Window (standard)*. When enabling *Window (accelerated)*, the image refresh is faster but the image is not extremely sharp, *Window (standard)* offers the maximum quality.



## AVI Cache

The *AVI Cache* button lets you change the cache size for video data. The *miroVIDEO DC10 Control* window will be expanded by *AVI Cache Adjust*. The *Video buffer* field allows you to select the number of images you want the cache to store. You can choose between a number of 6 and 128. The setting takes effect immediately. Clicking *Default size* selects the default settings (16) which suffices for most applications. A hint at the bottom of the dialog box shows you the approximate memory required at a data rate of 3 MB per second.

⇒ Please note the a large cache size needs much memory. Especially on systems having not much memory the system performance may be reduced considerably.

## **Synchronized start**

If the *Synchronized start* button has been enabled, a dialog appears when you start to play back a movie and all frames have been loaded into the cache. When you confirm this dialog, the playback starts immediately. This mode is required when you want to record video to tape and have to avoid delays during playback.

## Overlay Adjust

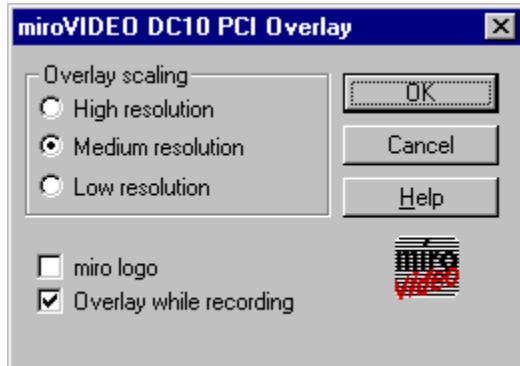
Here you can select the overlay resolution (high, medium, low) and determine if you want to view an overlay during playback or not. When you enable the “miro logo“ check box, the miro logo appears during playback.

## Overlay

If miroVIDEO DC10 is installed in your computer together with a DirectDraw-capable graphics board (miroMEDIA View, miroMEDIA 3D, all graphics board with a S3 TrioV64+- or ViRGE chip), the overlay function should be available.

If digital overlay does not work with these boards, change the resolution, number of colors, and the refresh rate (*Control Panel, Display, Settings*), or ask for new drivers.

With some graphics boards, the horizontal resolution is not completely available which causes “step effects” in the overlay. The quality of the recorded video clips, however, will not be affected! Reducing the resolution or the number of colors may improve the overlay quality.



In the miroVIDEO DC10 Overlay you can select the overlay resolution (high, medium, low) and determine if you want to view an overlay during recording or not. When you enable the “miro logo“ check box, the miro logo appears during recording.

