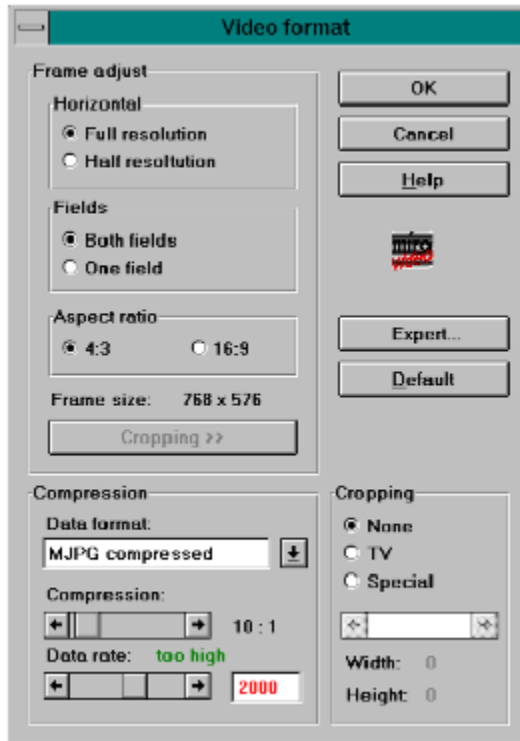# Video format

The *Movie Capture* menu item and the *Video Format* command opens the miroVIDEO DC20 Video Format window.

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Video settings

This is where you can set the **image size** of the video sequences:

Horizontal
All pixels of a video sequence are captured at full resolution (default setting). At half resolution, only every other pixel is captured.

Fields
If *Both fields* is activated, then both fields are captured. With *One field*, only one field is captured.

Aspect ratio
You can select an aspect ratio of either *4:3* or *16:9* (wideband).

Image Cropping
When you click on the field *Cropping*, the dialogue window expands around the cropping area. This is where you can set the size of the cropped image.

The image size you select and the respective compression factor (with regards to the data rate) are displayed. If you change the video settings, the compression factor will change automatically.

Video sequences captured with the setting *Half resolution* and *One field* can also be played on the miroVIDEO DC20.

Image cropping

Here you can set the size of the cropped image.

None
If the option None is activated, the entire image will be captured.

TV
With TV, the size is based the television picture. If you select TV, a video that is completely displayed on the television will also be captured. The difference lies only in the fact that unimportant image data on the edge of the picture is omitted, thereby reducing the data rate.

Special
With Special, you can use the slide rule to set a custom size for the cropped image. The current image size is displayed.

Compression

Data format
This is where you can set the data format. If you select MJPG compressed, the video sequence will be captured in motion JPEG format. It can only be played with JPEG hardware such as the miroVIDEO DC20.

With the option MJPG compressed, you can also record individual images in compressed form with 16-bit RGB and uncompressed with 24-bit RGB (TrueColor). You can activate an interpolation filter for moving images. The images can be used as an » introductory clip « in a sequence.

⇒ To be able to play uncompressed video sequences on computers without JPEG hardware as well, open the sequence in Adobe Premiere and select a suitable compression procedure such as »Cinepak« when saving.

Compression
This is where you can set the degree of compression. You will be alerted if the compression rate exceeds the value calculated by miroVIDEO-Expert. The data rate regulator is adjusted automatically.

Data rate
This is where you can set the data rate at which a video sequence is to be captured. If the data rate exceeds the value calculated by miroVIDEO-Expert, a corresponding message » too high « will appear and the data rate appears in red. The data rate regulator is automatically adjusted.

Expert

If you still haven't started the test program for the hard drive transfer or want to test your hard drive again or other hard drives, you can do so by clicking on the field Expert.

Default Settings

By clicking on the field Default, the video settings and data rate are automatically adjusted to the values calculated by miroVIDEO-Expert.