miroVIDEO DC1 tv Hardware Setup

Sets the I/O Address Range, Video Memory Range, Interrupt, DMA Channel.

You can also activate/deactivate 0 Wait State.

For further information, click on the desired item using the mouse.

I/O Address range
Memory Window
Use Memory Window
0-Wait State
Interrupt
DMA Channel
DMA Burstmode

Interrupt

Four interrupt vectors are available (10, 11, 12, 15). The free interrupts can be selected, the used interrupts are dimmed and cannot be selected.

Memory Window

miroVIDEO DC1 tv uses a 16 KB video memory area starting with the selected address.

The selected memory area must be excluded in the CONFIG.SYS file in the line which calls your Memory Manager (EMM386, QEMM, 386Max). Likewise there must be added a line to the SYSTEM.INI file. You may also have to exclude the used memory area with the BIOS Setup program.
The changes in both files are done automatically by the installation program respectively by the driver configuration program.

Example: The CC00 video memory address has been set.

If you use the EMM386 Windows Memory Manager the string X=CC00-CBFF is included in the CONFIG.SYS file in the line which calls the Memory Manager.

To exclude this memory area in the SYSTEM.INI file, the line EMMExclude=CC00-CFFF is added in the [386Enh] section. For more information, read also the Windows documentation.

After changing the memory address, restart your computer for the changes to take effect.

The memory area selected in miroVIDEO DC1 tv Hardware Setup must not be cached because otherwise no video image appears. Please also refer to your computer's documentation.

Use Memory Window

Should there be no available place for the 16 kByte Memory Window, you are able to suppress the use of the Memory Window with this option.

Without Memory Window the decompress function is a bit slower. This affects also the playback of videos onto the computer screen.

DMA Channel

The DMA channel which transfers the data from the miroVIDEO DC1 tv to the computer´s memory can be set to 5, 6, and 7.

Make sure that no other hardware uses the DMA channel.

DMA Burstmode

With DMA Burstmode switched on, during each DMA request a packet of data is sent. This method is significant faster than single mode.

Unfortunately there are a few motherboards with incorrectly implemented DMA controller, which is not capable of doing bursts. If you notice data destruction during capture or playback switch off DMA Burstmode.

Be aware that switching off DMA Burstmode will decrease the maximum achievable data rate.

I/O Address Range

miroVIDEO DC1 tv uses 16 addresses from the selected address. Make sure that the selected address range is not used by any other hardware.

0 Wait State

The access to the miroVIDEO DC1 tv memory can be carried out with zero or with one waitstate. With zero waitstates the data transfer is accelerated via the ISA bus. In case of problems especially with old computer models, deactivate this check box.