

THE CASABLANCA AVIO

*The powerful,
affordable system
that brings digital
video editing home.*



Now even an amateur videographer can create professional quality videos. The Casablanca Avio, a truly easy-to-use video editor, delivers all the power and capabilities of professional systems, but at a fraction of the cost.

CONVENIENT

Complete video editor in a self-contained unit

SIMPLE

Easy to learn, fun to use, fast to finish productions

RELIABLE

Works first time every time

POWERFUL

Hardware designed for the purpose

AFFORDABLE

Get professional system capabilities at a fraction of the cost and effort

COMPLETE

Everything you need to create broadcast-quality productions from your videos -

- Just plug in a television and a camcorder or vcr
- Roll the trackball to split and trim your footage with frame-accuracy
- Fly through projects with high-speed, real-time, dual-stream processing
- Dazzle your audience with special effects like slow-motion, fast-motion, stills and 2D and 3D effects and transitions
- Give yourself beautiful titles with anti-aliased, fully scalable fonts
- Audio editor lets you create great sound with three stereo tracks

DIGITAL VIDEO EDITING THAT'S SIMPLE

- Standalone design with no hardware or software installation required means you just plug it in and begin editing
- Intuitive software and user-friendly interface make navigation so natural that editing is a snap
- Simple trackball operation using only your video monitor or TV. (optional use of a SVGA computer monitor)

POWERFUL

- Built-in hard drive with MPEG-2 compression stores up to 3.5 hours of DV quality video, or 5 hours of S-VHS/Hi8, that can be divided among three projects
- Features a full range of transitions and effects, including fades, slow motion, backwards motion and freeze frames
- Real-time 2D transitions eliminate the wait for rendering
- Includes a full range of fully scalable fonts in unlimited colour combinations with variable scroll/crawl speeds and directions
- Supports three stereo audio tracks for music, narration and sound effects
- Uses SmartMedia for quick, simple installation of software enhancements and for transferring still images

AND AFFORDABLE

- Starting at just \$2,852 * (including Australian GST), the Avio removes the cost barriers to professional digital video editing
- Provides video enthusiasts with all the capabilities of professional digital editors at a fraction of the price

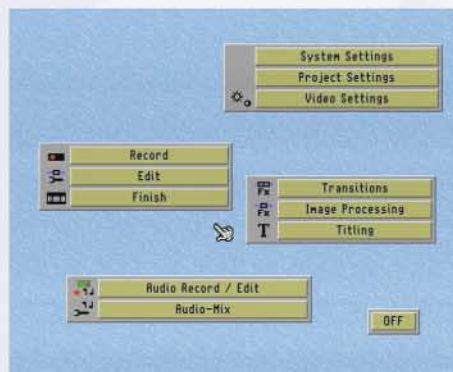
PRODUCING A VIDEO ON THE AVIO - JUST FIVE SIMPLE STEPS TO SUCCESS

*How easy is producing a finished project on the Avio?
The entire process takes just five steps:*

- Record your video footage to the Avio
- Edit and trim the footage into scenes
- Place the scenes on the storyboard
- Add transitions, effects and titles
- Edit the sound

That's it. Since most effects and audio edits are generated in real-time, simply implementing an effect means it's ready to play. So with Avio, instead of waiting while effects are rendered, you just save your production to tape. Then sit back and show a professional-quality video that's a match for any made on more complex - and costly - systems.

Need more details? Read on to review the actions that take place within the main Avio screens. We think you'll agree that video editing doesn't get any easier.



Main Screen

You're almost always only a single click away from this main screen. To start your project, simply select the quality level needed and adjust brightness, contrast and saturation. Then click on record to begin digitizing your video to the Avio's hard drive.



Edit

Here you split your video footage into scenes by selecting the In and Out points. Name scenes as they're created and trim them with single-frame precision. Then add exciting effects like slow motion, reverse motion, fast motion, and/or select from a huge variety of image processing options. The scenes you've created are automatically placed on the scene palette. You can then add them to the storyboard in any order, and include, change or delete scenes at will. Better yet, you can play the entire storyboard, or any selected scenes, at any time with a quick click of a button.

* Recommended price in Australian dollars for the Avio with 13 Gb hard drive and standard software package. The 20 Gb model has a RRP of \$3,183 (inc. GST). Prices may change without notice.

Ingredients for great videos



Avio video editor



TV set or monitor



Camcorder or VCR

That's it. Plug in your Avio, attach your TV and start recording right from your camcorder, both analogue and digital. It's like a word processor for video. Turn your sporting events, travelogues, even weddings or feature presentations into stunning, professional productions with ease!



Transitions

Add effects to create compelling professional transitions between scenes in the storyboard. Choose from dozens of transition effects, such as 3D mosaics and 2D dissolves, and preview in real-time exactly what you're creating.

Image Processing (not shown)

From this screen, you can add dozens of effects to your video, from colour adjustments to zooms. Add Picture-in-Picture, solarize or soften clips, and include many other professional touches that turn ordinary videos into exceptional ones.



Titling

The Avio's powerful titler makes including crisp, colourful text in your video a snap. Select from a complete set of scalable fonts in unlimited colours to convey your message. Choose variable scroll and crawl speeds and directions, using a variety of styles. Then save your text for inclusion in other projects.

Audio Record (not shown)

This screen lets you record audio from any source. Record a track from a CD, add spoken commentaries, create samples, trim sounds, adjust volumes and select import sources. With the Avio, it's a fast and easy process.



Audio Mix/Dub

Mix audio samples created in Audio Record into the storyboard. The range function defines exactly where in the video you want each piece of audio to begin and end. You can adjust volumes on each of the three stereo audio tracks individually to make the perfect mix.

Finish (not shown)

Here, you copy your completed work to tape. At this point, you also have the option to render any complex effects (3D effects with light and shadow, for instance) that weren't generated in real-time. And that's it. You've just produced a top quality video, in a fraction of the time, cost and effort required with other systems.

AVIO EFFECTS, TRANSITIONS AND FEATURES

SPECIAL EFFECTS

Backwards
Jitter (strobe)
Quickmotion
Scene to Audio Sample
Slowmotion
Still Scene

NEW SCENES

Black
Colour/s
Colour bars
Countdown

IMAGE PROCESSING EFFECTS

Aquarium *
Binarizer
Cinemascope *
Colour Depth
Colour to Grey
Control Colour
Control Image
CVBS Filter
Doubler
Dynamic Range
Flip
Lineart
Mirror
Mosaic
Negative
NOP
Out Of Focus
Rectangle
Relief
Sharpen
Solarize
Spread
White Balance
Zoom

TRANSITIONS

3d Mosaic
3d Stripes
Bars
BlueBox *(in 20 Gb model)
Circle Wipe
Colour Fade
Colour Wipe 1 *
Colour Wipe 2 *
Cross Fade
Double Exposure
Field Changer
Gate
Page Clap
Picture-In-Picture
Pusher *
Random Lines
Rectangle Wipe
Scale
SmoothColourWipe *
Smooth Wipe *
SplitScreen *
Stripe Fade
Wipe *

TITLER FONTS

Includes: 11 standard fonts, Anti-aliased, fully scalable
Formats: Outline, Shadow, adjust colour, size, transparency
Complete texture mapping

TITLER EFFECTS

Vertical Scroll
Fading Vertical Scroll
Horizontal Scroll
In/Out Fading Pages
Moving Pages
Pages
Through Fading Pages

SYSTEM

Processor: Intel Pentium MMX
Storage: Internal fixed 13 Gb or 20 Gb IDE hard drive
Software: On SmartMedia card, 4 to 32 Mb capacity
Graphics: Integrated graphics and video display on TV or video monitor, optional SVGA monitor output
Memory: Integrated SDRAM
Projects: 3 separate project areas (School-Edition 30 projects)

VIDEO

Principle: MPEG-2 compression, editable full IBP-Frame method, dual stream decoding, real-time effects
Data rate: 0.3 to 1.8 Mb/Second (adjustable), Bitrate control
Inputs: Composite & YC (S-VHS), optional IEEE P1394*
Outputs: Composite & YC (via Scart), optional IEEE P1394*
Resolution: CCIR 601, >700 rows, >500 lines (PAL)
Standards: PAL or NTSC (software)
FPS: 50 or 60

AUDIO

Principle: 3 Stereo tracks, max 44.1 kHz, 16 bit (CD quality)
Inputs: Stereo RCA, optional IEEE P1394*
Outputs: Stereo RCA (via Scart), optional IEEE P1394*

ACCESSORIES

Cables etc.: Power lead, 2 x Scart to RCA/YC connectors, Trackball, Stereo RCA cable, Composite video cable, YC video cable, 4 Mb SmartMedia card, User manual, VHS Training tape (80 mins.)

Connectors: 2 USB ports for keyboard, PCLink etc.
PS2 for trackball

DIMENSIONS

Measurements: 435 x 360 x 105 mm
Weight: approximately 6 Kg

* The IEEE P1394 connector found in all Sony-DV and MiniDV machines, as well as in digital video devices from other manufacturers, is also known as "Firewire" and "i-Link". The optional DV module allows for the fully digital input and output of pictures and sound in DV format and is therefore compatible with digital video recorders and camcorders.

The Casablanca Avio was developed in Germany by Macrosystem Digital Video AG and is manufactured by Siemens.

A brief explanation of full IBP-Frame MPEG-2

True MPEG (as used in DVD technology) achieves high image quality at low data rates by using the so called IBP frame method. This means that each Group Of Pictures (GOP), typically 6 to 20 frames, has only one full image, called an I frame, which is located typically in the middle of this GOP. The B frames are placed before the I frame and the P frames are placed after the I frame, in each GOP. The B and P frames contain only the differences between the I frame and the current picture. This is called motion estimation. The Casablanca Avio uses the full IBP-Frame method and therefore achieves the highest quality available at any given data rate.

E&OE

* Transitions and effects marked with an asterisk are part of the Bonus Effects set. An access code is provided to new users once they have completed and returned the Casablanca Avio registration form.



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Bring your videos to life