

# ArVis

# PRODUCT RANGE

The ArVis system is a comprehensive range of hardware boards and expansion cards designed to interface the Archimedes computers with colour video signals from cameras, videotape, videodisc and television studios.

The ArVis videographics system is a powerful tool for the acquisition, manipulation and creation of full colour video images. The ArVis videographics hardware together with the exceptional computing speed and power of the Archimedes Risc OS computer creates a powerful video workstation at a minimal cost.

## ArVis VIDEOCONTROLLER & GENLOCK EXPANSION CARD ARVC.2

This new single width expansion card genlocks the Archimedes RGB display to an external composite video signal. A high quality decoder and vision mixer electronically combines the Archimedes display graphics with the decoded video so that text and captions generated by the Archimedes can be added to the picture signal and displayed on the standard Archimedes RGB colour monitor.

An optional plug on sub-board can be fitted to the card to provide a PAL encoded version of the RGB output. The PAL encoded signal enables the Archimedes generated images to be recorded on videotape.

The single width card can be used in any 300 or 400 series Archimedes computer fitted with an approved backplane and fan.

## ArVis VIDEOGRAPHICS EXPANSION CARD ARDG.2

The Videographics Expansion Card provides a major enhancement to the graphics displays of the Archimedes system. The card includes a 'real-time' professional colour digitiser to 'grab' images from live video in 1/50th.second at a very high colour resolution.

Digitised images are stored in a 384 kbyte x16 bit framestore memory built onto the card. The module has its own display system to recreate the images at a resolution of 32000 colours. The Archimedes can paint directly to this store to full video image resolution using all 32000 colours for any pixel.

The OSCAR software supplied with the system provides a powerful means of editing the digitised images and saving them to disc. The files can be used by other paint programmes such as Pro-Art and in DTP packages.

The Videographics Expansion Card can be used in any 300 or 400 series Archimedes computer fitted with an approved backplane and fan. A minimum of 1 megabyte of RAM is required.

The Videographics Card is used in conjunction with an ArVis Videocontroller Card type ARVC.2 The two cards link together by ribbon cables to form a double width expansion card which can be mounted on an approved 4 slot backplane. (The videographics card can also be driven by an ArVis videocontroller board type ARVC.1 mounted behind a two slot backplane in an Archimedes 310).

## ArVis VIDEOCONTROLLER ARVC.1 (Backplane board version)

This board provides the genlock, PAL decoding, and video key features of the expansion card ARVC.2 but it is constructed on a printed circuit board to fit behind the backplane assembly of an Archimedes 310 computer fitted with the standard Acorn 2 slot backplane. The board can also be used with the PAL encoder ARPE.1

## ArVis PAL ENCODER BOARD ARPE.1 (Backplane board version)

This is a backplane mounting PAL encoder which generates a composite PAL version of the Archimedes display to drive a videotape recorder or studio system. The board mounts behind a standard Archimedes backplane and therefore does not occupy an expansion slot. The board occupies the space behind the floppy disc drive.

## FOUR SLOT BACKPLANE

We can now supply a 4 slot backplane and fan kit for earlier Archimedes 310 computers. This is a properly engineered multilayer board and is approved for use with our videographics and videocontroller cards.

## VIDEOGRAPHICS DEMO DISCS

A demonstration disc is available with digitised pictures created using the ArVis videographics digitiser. The images are stored on the disc as standard Mode 15 screen sprite files so they can be displayed by any Archimedes system and can also be used as an input to Paint and DTP programmes

## HARD COPY PRINTOUT

We can provide software to enable very high quality 'photovideo' prints to be made from the ArVis videographics disc files using the latest professional ink jet printers.

We can also produce high quality colour printouts from your own pictures which you have created using 'Paint' or other art package -- please contact our Sales Office if you would like to receive details of this service.

TECHNICAL DATA -- more detailed product information and is available on request.