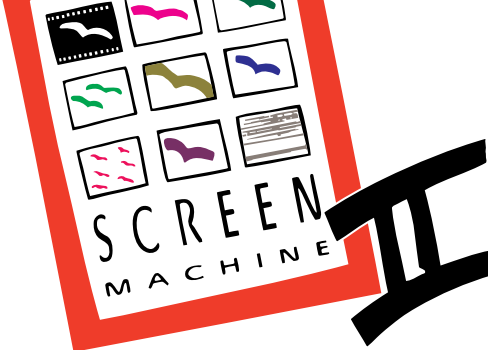# Screen Machine II

UNIX REPORT

Munich, Tue May 17th 1994

The Company interpersonal-computing GmbH

The company was founded 1991 mostly by former FAST employees. The idea was to distribute NeXT hardware. During the first year we saw the demand for custom development. With the NeXT announcement 1992 to port NEXTSTEP to the Intel processors, we decided to gather our video know how and to implement the Screen Machine II on NEXTSTEP. With the experiences from that project we build the first SCO driver for the board. Today we have the developer team and one of the most innovative multimedia hardware especially for UNIX.

The Product Screen Machine II

Screen Machine II developed by FAST Electronic is a great success all over the world. Why? Tailor-made software for users and and developers. High image quality. And the impressive service provided by the pioneer in video integration at the computer.

You're sure to take a second look at Screen Machine II. It is a completely new development in its hardware and software modules, providing functionalities that you have come to expect from Screen Machine: high screen resolutions and transparencies, digital effects usually only found in video studios. See for yourself.

The New Hardware

Screen Machine II overcomes the resolution limit of 800 x 600 in non-interlaced mode. Screen Machine II is the first video overlay board to support VGA resolutions of 1024 x 768 non-interlaced at screen frequencies of up to 76 Hz in graphics mode. The result? Visibly better picture quality and no flicker.

Screen Machine II allows you to select the VGA adapter of your choice. It is compatible to all high-resolution graphic cards. The connection to a feature connector is recommended, but not required. Screen Machine II can also be used without memory mapping in computers with 16 MB RAM and more.

Full PAL Resolution of 576 Lines in Standard 4:2:2

Screen Machine II digitizes full PAL images (576 lines). This is over 10% more than other video digitizers (max. 512 lines). And, naturally, Screen Machine II digitizes in 4:2:2 standard in 24-bit true color (16.7 million colors). Optimal Display Quality and Digital Video Effects, thanks to Video Machine Chips
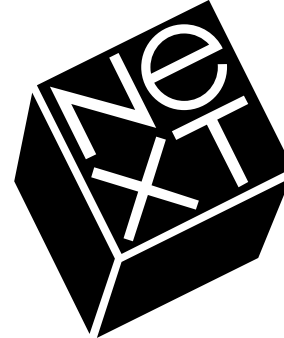
Screen Machine II incorporates the Professional Video Scaler and the Video Memory Controller (VMC) used in Video Machine, the desktop video studio from FAST. The scaler increases the display quality of the live video considerably. The VMC provides video effects, including video overlays, such as luma and chroma keying, mosaic, etc. Developers of multimedia applications have a number of new possibilities at their fingertips.

interpersonal-computing
registered NeXT and SCO developer

▥▥▥**FAST** Electronic GmbH
Screen Machine producer

NeXT Version

Status
User Interface   :   Shipping, Ver. 2.2
Driver   :   Shipping, Ver. 2.3
Developer Kit   :   Shipping, Ver. 1.1

The main implementation is already shipping in the second generation. It gives the user high quality applications for grabbing and displaying live video with all features of the famous NEXTSTEP. You may control all values from the Screen Machine II as well as direct print and saving images as TIFF. As end-user applications are available : SMCamera, SMPreview, SMAnimator and SMTV. Of course we also realized the Screen Machine options like the TV-Tuner and full audio support.

The Developer Kit allows the easy creation of video applications for the Screen Machine II. The idea was to offer an inexpensive developer tool for multimedia applications with live video. The object collection has evolved to more than 250 sophisticated methods. It gives access to all Screen Machine functions and is fully integrated into NeXT Objective-C environment. The Developer Kit contains Palettes, an NXLiveVideoView compatible class, objective C-libraries and detailed manuals with programming examples.

Call for brochures.

End user prices :

Screen Machine II Board   **2 500.- DM**
  incl. driver and applications
  free updates

Screen Machine Developer Kit   **1 565.- DM**
  manual, objects, palette
  one year free update and support

please add local VAT and shipping

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