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## Motion JPEG Board Targets Multimedia and Communication Applications

Colorado Springs, CO -- June 1, 1994 -- Interactive Images has introduced IMAGinE, a high quality, full motion/still image video capture, overlay, hardware JPEG compression and VGA PC card. A single slot ISA bus card, IMAGinE, captures NTSC or PAL video in composite or SVideo formats and digitizes the video to 640x480x24 bit resolution for superb image quality. The video can be resized and displayed anywhere on the PC screen via video overlay and chroma-keying circuits. Up to four live video images can be simultaneously displayed. IMAGinE supports full screen (640x480), full motion video (30fps) record and playback of high quality video.

Unlike competing products that employ line and pixel dropping, IMAGinE utilizes sophisticated bilinear interpolation to resize the captured video to 320x240x24 bit while maintaining superb image quality. An integrated C-Cube Microsystem CL550B JPEG chip compresses the full motion 320x240x24 bit video stream on the fly at 30 frames per second. On playback, IMAGinE again employs bilinear interpolation, as opposed to simple line and pixel replication, to resize the video stream to full screen 640x480x24 bit resolution while maintaining excellent video quality.

Alternatively, high quality 640x480x24 bit still images can be compressed or decompressed in less than 1/10 of a second (as opposed to 208 seconds for software only JPEG routines). Captured still frame images can be exported or imported in BMP, DIB, TARGA, TIFF, GIF, or JFIF file formats.

Interactive Images has simplified system integration by including an on board VGA controller, jumperless SmartConfig, and an optional plug-in sound card. The onboard VGA controller eliminates incompatibilities associated with separate VGA cards and feature connectors while supporting GUI acceleration up to 1024x768x256 color at 72 Hz refresh, non interlaced. The jumperless SmartConfig allows simple programming of IRQs, DMAs and I/O channels from the keyboard. Finally, the \$179 optional plug-in sound card features 16-bit CD quality audio, hardware ADPCM compression, full duplex operation, and Soundblaster compatibility.

Applications for IMAGinE include multimedia presentations, digital video editing, full motion video conferencing, video mail, image/video database, kiosks, and still image/document conferencing.

The IMAGinE board, including Microsoft Video for Windows and an OLE 2.0 server/container software is priced at \$995. IMAGinE's 24-bit video capture and display, hardware JPEG compression, bilinear interpolated scaling, integrated VGA accelerator, and optional sound card herald a new price/performance mark for high quality, full screen, full motion video. Contact Interactive Images at 1-800-336-1912.