



## DarbeeVision Corporate Fact Sheet

### Company Profile

DarbeeVision is a privately held company founded by entrepreneur Paul Darbee, a seasoned industry veteran who pioneered the first preprogrammed universal remote control.

In 1985, Darbee established Universal Electronics (NASDAQ: UEIC) and was awarded the first of numerous patents in universal remote control technology. Today he holds more than 40 patents with several more pending. In 2006, DarbeeVision was awarded a patent for its visual computing process known as Darbee Visual Presence™.

Through the discovery now known as Darbee Visual Presence, Darbee learned that fidelity is not the end point for image realism. Darbee technology uses performance computation with image processing in new and innovative ways, greatly enhancing the quality of the visual experience.

### Market Overview

Today, all digital media can be processed to improve contrast and color depth, add sharpening and filter noise. However, these solutions are limited by an inability to transcend fidelity constraints, and they often add unnatural artifacts, worsen noise or process parts of the image inappropriately.

### Solution Overview

DarbeeVision's innovative, proprietary technology inserts depth cues to create images that seem to pop off the screen - enabling a visual experience where the viewer is immersed into a two-dimensional world with incredible depth and lifelike realism.

By using computers to process an image in the same way a human brain does and then adding these results back into the original image, this technology improves images - making them better than what the most perfect camera and display systems can produce.

DarbeeVision's technology is suitable for a wide range of applications. The technology suite includes: Darbee Software™, a software application running on the CPU for still image processing; Darbee GPU Software™, a software application running on the GPU for real-time digital video processing; Darbee Box™, a CE accessory device based upon FPGA architecture for real-time digital video processing; and the Darbee IP Block™, a hardware IP block for licensing to be used in embedded applications.

### Darbee Visual Presence at Work



Original Image

Image after Application of Darbee Technology

### Markets

With market applications spanning legacy, emerging and long term markets, including television sets, video game consoles, mobile devices, digital picture frames, and aftermarket TV accessory boxes, DarbeeVision is poised to be a key player in taking the visual experience to the next level.



- Proven Successes** An early version of DarbeeVision debuted on the DVD of the Oscar-winning motion picture *Gosford Park*, directed by Robert Altman. Impressed with DarbeeVision, Altman actually used early hi-def video cameras to shoot his next movie, *The Company*, then upgraded the digital video with DarbeeVision and released the movie to theaters on film. The technology has also been applied to TV commercials, billboards, large-format printing, and photographic art exhibits.
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