Our Pedigree

Oculus3D arrives on the world stage with a distinguished pedigree. One of our founders, and head of our research and development program, is Lenny Lipton, founder of StereoGraphics Corp. He was the Chief Technology Officer of RealD after it acquired StereoGraphics.

Lipton was the first person to make a 3-D display, monitor or projector, to run in the field-sequential mode without flicker, which is the basis for DLP 3-D projectors. He led the design team that invented the ZScreen used for the most widespread 3-D theatrical movie projection system by RealD.

At StereoGraphics he created the first wireless shuttering eyewear, CrystalEyes, the direct progenitor of 3-D TV eyewear used by Sony, Panasonic, and other TV set manufactures, and for the ExpanD movie system.

Under Lipton's direction StereoGraphics supplied stereoscopic viewing systems to NASA for steering the Mars Rovers and for repairing the Hubble Space Telescope. Lockheed used his monitor ZScreen for secret military missions. The ZScreen and CrystalEyes aided a generation of scientists in the field of molecular modeling, helped energy companies with oil and gas exploration, enabled GM and Caterpillar to design cars and heavy machines, and was used by James Cameron for the production of his undersea IMAX documentaries.

Lipton also invented the side-by-side digital format, the basis for the 3-D TV multiplexing systems used by television broadcasters and by live feeds to theaters. He has been granted 44 U.S. Patents with more than 50 pending. He was awarded a prize by the Smithsonian for his invention of CrystalEyes. His book, *Foundations of the Stereoscopic Cinema*, is the pivotal text on the subject teaching the system of photography and composition used for theatrical filmmaking and it explained the fundamental engineering principal guiding the design stereoscopic systems, binocular symmetries.