

High speed imaging is an engineering tool, much as is an oscilloscope or a computer. It is a photographic technique that enables us to visualize and analyze physical phenomena, especially motion that is too fast for the human eye or conventional cameras to perceive - *“When it’s too fast to see, and too important not to”*. In entertainment and art applications it is applied where the emotional impact of slow-motion is desired.

The history of Vision Research started in 1950 when a young, idealistic, engineer quit his job to form a brand new company named Photographic Analysis Company whose sales mark was “Research Through Photography”. During the first forty two years of the company’s existence high speed photographic images were generally “captured” on photographic film. In 1992 the company decided to form a separate entity that was to design and fabricate high speed electronic imagers that did not rely on photographic film for imaging. That “spin off” was later to be known as Vision Research Inc. and today designs and manufactures high speed digital imaging systems.

Their broad line of cameras, marketed under the Phantom® brand, span a variety of application domains in measurement and entertainment including defense, automotive, engineering, scientific and medical research, industrial, sports, and digital cinema. The Phantom product family consists of three camera product lines, and a line of camera accessories. Miro cameras - small, lightweight and un-tethered from a computer – are great for mobile applications or situations where size and weight might be an issue. V-Series cameras are a broad line of performance cameras with industry-leading resolution, speed and light-sensitivity, whereas the Phantom Flex, HD and 65 are targeted at digital cinema and HD television productions.

Being known for their innovations in high-speed digital camera technology and sensor design, Vision Research has received numerous research and development awards. With unsurpassed light-sensitivity, image resolution, acquisition speed, and image quality it sets the benchmark for other high-speed imaging manufacturers.