

LithoconII - Image Storage Tube



Image storage tube based upon the interaction between an electron beam and a silicon-silicon oxide memory target. The tube was patented by Dr. Steven R. Hofstein after he left RCA to found the Princeton Electronics. The patent, [US 3,949,264](#), was filed in March 1974. Used in several applications, including scanners, scan converters, video telephone sets and graphic terminals, the tube was capable of capturing an image with a resolution of 10 million elements in less than a thirtieth of a second and store it for months. [Here](#) and [here](#) articles from NY Times on the device and on some of its applications.

Princeton also listed sophisticated graphic terminals in the [850 System series](#), based upon Lithocon II storage tube.