



## High Definition Video Processing library

Component name	History data archival & retrieval framework		
Category (IP/ Reusable)	IP	Component type (HW/SW/product etc)	SW
HW Platform	nVIDIA Geforce 8 Series or later	Supporting OS	Windows XP SP2
Applications / applicable products	Applications which required various image processing tools to an image or video stream in real-time.		
Market/ industries applicable	Entertainment, Infotainment		
Product Description	Real-time processing of normal sized videos to HD or FULL HD resolution with various image enhancement effects.		
Features /benefits	<ul style="list-style-type: none"><li>• Multi GPU Support</li><li>• High FPS even at FULL HD resolution after applying image enhancements. (Single GPU 100 fps and 200 fps in multigpu setup with 2 gpu's)</li><li>• Brightness, Contrast, Gamma, Saturation and Sharpness can be applied to each channel in an image/video.</li><li>• Different convolution filters can be applied by providing mask matrix (1D and 2D)</li><li>• Differential edge detection</li><li>• Negative</li><li>• Gray scale</li></ul>		
Readiness	Available		