



## Volume visualization library

Component name	History data archival & retrieval framework		
Category (IP/ Reusable)	IP & Reusable	Component type (HW/SW/product etc)	SW
HW Platform	3D Graphics Accelerator with 512MB or more VRAM with full support for DirectX 9.0c, Shader Model 3.0 Support	Supporting OS	Windows XP SP2, Windows Vista
Applications / applicable products	Inspection of volumes for defect detection, security purpose, medical diagnosis. The volume is supposed to be a reconstructed output from CT scanner.		
Market/ industries applicable	Medical, Industrial inspection, Security		
Product Description	Easy-to-use 3D Data visualization library built by NeST. This library supports highly sophisticated 3D image rendering and processing, and which facilitate the visualization of volumetric data in diverse formats.		
Features /benefits	<ul style="list-style-type: none"><li>• In depth/inner inspection of volume data with opacity processing</li><li>• Easy to use C++/C# interface</li><li>• 3D Volume rendering and Surface Shaded Display</li><li>• 16bit and 8bit - RAW Data Support</li><li>• MPR</li><li>• Maximum Intensity Projection, Minimum Intensity Projection and Sum Intensity Projection</li><li>• Volume Orientations (3 degrees of freedom)</li><li>• Different Cutting planes (X/Y/Z/Oblique/Curved path)</li><li>• Opacity adjustments</li></ul>		
Readiness	Available		