

The Visualization Cluster

A scalable industrial graphic cluster based on COTS technology, for high performance, high quality images. Suited for virtual reality applications and particularly adapted to Reality Centers and immersive rooms.

Boosts your visualization applications:

- Performance expansion: graphic acceleration, unlimited scalability
- Resolution enhancement: High Resolution, up to 8 Mpixels per channel
- Unlimited channeling
- All displays: CADwalls, Curved Screens, CAVEs, stereoscopy
- Precise hardware synchronization for display synchronicity and immersive peripherals interface (tracking, haptic...)



Courtesy of Dassault Aviation

VorTec[®] is a Multi-channel Image visualization system based on PC cluster, high end graphic devices and a specific video merger developed by SOGITEC, assembled in a Real-Time infrastructure.

The video merger implements different merging modes, for performance and image quality. It incorporates all the necessary functions to interface complex display configurations: edge blending, color harmonization at pixel level, gamma correction, dithering, non linear image mapping.

Typically, VorTec[®] Cluster allows to visualize a 200M-polygon digital mock-up at 30Hz.

Embedded cluster management software.

VorTec[®] Cluster is the ultimate accomplishment of Sogitec's 30 years Image Generation hardware development for real time simulation

VorTec[®] brand includes : VorTec[®] Soft, VorTec[®] Cluster and VorTec[®] Integration

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