



WARP 6™

Non-Linear Image Mapping for BARCOREALITY SIM 6

PROPRIETARY BI-CUBIC INTERPOLATION ALGORITHMS FOR UNPRECEDENTED IMAGE QUALITY

Barco's WARP 6™ offers you the very best picture quality that can be achieved with any Non-Linear Image Mapping (NLIM) processor – in SXGA resolution!

The combination of highly advanced interpolation algorithms, powerful image mapping hardware integrated in the SIM 6 PMP, and Barco's leadership in image processing leads to the cleanest and smoothest picture ever achieved using NLIM!

Picture Quality

WARP 6™ is specifically optimized to preserve fine detail in the image and reduce aliasing to an absolute minimum, using proprietary bi-cubic interpolation algorithms and a highly advanced processor board. Furthermore, thanks to the tight integration into the SIM 6's Pixel Map Processor (PMP), intermediate signal conversions can be reduced to a bare minimum. This guarantees a clean signal throughout the whole processing flow.

Speed

Great care has been paid to the speed of WARP 6™. The distortion algorithm was optimized for minimal processing time: even for the harshest distortions, this only corresponds to the number of lines of deformation, without additional frame delay!

Furthermore, using the intuitive user interface, bows can be set up and modified in a flash, giving the user real-time access to the distortion characteristics. For fine-tuning the image, the user has access to individual grid points that can be dragged to their desired locations.

Flexibility

With the new WARP 6™ fitted in the BR SIM 6, fixed-matrix projectors can now be used in a wide variety of curved-screen applications, ranging from straightforward cylindrical displays to the wildest shapes that can be imagined: by pre-distorting the image inside the projector, a correct geometry can be achieved on curved screens, without requiring additional computational power on the IG's side.

Since WARP 6™ is integrated in the BARCOREALITY SIM 6's Pixel Map Processor, it is an elegant and user-friendly solution for even the most demanding applications.



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