TransForm XDS-1000

Multi-windowing 3d stereo display management system

The powerful TransForm XDS-1000 display management system is a user-friendly, desktop-integrated solution for powering multi-channel, high-resolution display walls. With its ability to display both mono- and stereoscopic sources at the same time, the TransForm XDS-1000 provides for the ultimate immersive, collaborative working environment.

Business-critical visualization technology for improved data and resource management

The TransForm XDS-1000 powers large display walls that provide the user with a large, seamless and immersive viewing area. The system features an embedded Windows interface on which you can share, visualize and edit any number of application or source windows, whether locally stored or networked. There is no need for a remote control; you can easily operate the system with a mouse and keyboard.

Crystal clear collaboration through advanced videoconferencing

With the TransForm XDS-1000, it is possible to share, distribute and even update content in real-time over the network. Remote teams as far apart as Los Angeles and Moscow can sit on the same collaborative meeting. Facial expressions and body language become crystal clear thanks to the TransForm XDS-1000's ultra-high bandwidth capacities, fast image update rate and its powerful

visual output.

Total immersion

The TransForm XDS-1000's stereoscopic capabilities allow in depth display of complicated data, such as car models in the automotive industry, or seismic data in the oil and gas industry. Hidden details or correlations become clear immediately in a virtual, immersive work environment. Furthermore, the TransForm XDS-1000 can display up to six 3D sources simultaneously, or even display mono and stereo sources at the same time.

Unlimited, uncompromising display flexibility

The XDS-1000 effortlessly teams up with other hardware, such as DVD, satellite TV, videoconferencing systems, laptops or even multi-channel stereoscopic workstations, and displays these sources in native resolution, in multiple windows. Thanks to Barco patented technology, each source is displayed synchronously, in its own native resolution and frequency.

Product specifications	TRANSFORM XDS-1000
General specifications	
Desktop driver	■ host for up to 4 Omnibus units ■ Intel Pentium IV 3.6 GHz ■ Up to 3 GB main memory ■ IDE disk drive 80 GB (RAID-1/RAID-5 option) ■ 10/100/1000 MBit Ethernet
Input cards	(large array of input card combinations possible -see remark below) Quad analog video card · quad input card for simultaneous display of 4 up to 44 analog video sources (see remark) · PAL, NTSC, SECAM at 25/50 or 30/60 fps, Genlock · 4 Composite Video BNC connections Quad SDI Video Card · quad input card for simultaneous display of 4 up to 44 digital video sources (see remark) · standard definition SMPTE 259-M-C 270 Mbps / 4:2:2 formats on PAL and NTSC · 4 BNC connectors Dual RGB Input Card · dual input card for simultaneous display of 2 up to 22 RGB sources up to SXGA · pixel clock 20 MHz -135 MHz, line frequency 15 kHz – 130 kHz · 2 HD15, Hsync+Vsync, Csync, Sync on Green High resolution/stereoscopic input card · single input card for very high resolution and active stereo sources · pixel clock 50 MHz – 270 MHz · up to UXGA, stereo at 120 Hz, HDTV stereo at 96 Hz · 1 DVI/I connection supplying RGB analog, single link DVI, dual link DVI · 1 Mini DIN3 stereo connection · Sync support: separate, comp, sync on green · Maximum 6 inputs in one system
Output	■ Up to UXGA resolution at 120 Hz, HDTV at 96 Hz ■ Up to 32 bpp ■ Digital and analog ■ Up to 48 channels (see remark) ■ Stereo out: mini DIN3 ■ Full overlay support ■ DVI/I connection
Dimensions	Depend on configuration All units are configured in industrial 19" rack mount cabinets.
Remark	Although an unequalled number of sources, channels, inputs and windows can be configured, every single combination has to be worked out and configured for feasibility and full functionality by an asserted Barco project manager.

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