



Picture courtesy of the Netherlands Organization for Applied Scientific Research

CompactView Clan SXGA Models

3D
perception

SX15-I	Internal warp/blend	1500 ANSI lumens
SX30-I	Internal warp/blend	3000 ANSI lumens
SX15-E	External warp/blend	1500 ANSI lumens
SX30-E	External warp/blend	3000 ANSI lumens

CERTIFIED FOR 24/7 OPERATIONS



CompactView SX15-I, SX30-I, SX15-E and SX30-E Projectors

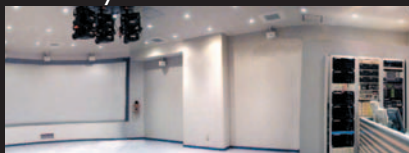
The CompactView SX series projectors represent the latest projector technology for multi-image projection onto curved screens. These projectors combine the 3D Perception Digital Geometry Processor (patented) and Texas Instruments DLP™ technology into a fully digital, high performance and highly compact unit.

Unique Functions

- Non-linear Image Warping
- Multisided Soft Edge Blending
- Colour Control
- Gamma Correction
- CompactControl Interface
- Primary Colour Calibration

Typical Applications

- Any projection theatre, including curved screens.
- High resolution seamless Information Displays and Video Walls.
- Seamless Displays
- Immersive Virtual Reality Screens and Cubes



Virtual Reality Room



Car Simulator



Air Defence Simulator (Dome)



Ship Handling Simulator



Flight Simulator

Warping & Edge Blending Specifications

Warping

- ✓ Non-linear image mapping from 50% to 200 %
- ✓ Processing latency from 50 μ s to 12 ms dependent on mapping level
- ✓ Total latency typically 250 line period
- ✓ Automatic and manual options
- ✓ Up to 100 geometrical control points (compliant with curved screens requirements)
- ✓ Up to 5th order approximation between geometrical control points

Soft Edge Blending

- ✓ Multisided non-linear blending from 2% to 100% of total image
- ✓ Alpha adjustable from 0 to 4 across overlapped areas
- ✓ Gamma adjustable from 0.25 to 4 in overlapped areas
- ✓ Up to 5 geometrical control points (compliant with curved screens requirements)

Colour

- ✓ Individual RGB adjustments of $\pm 20\%$ in addition to native adjustment capabilities
- ✓ Primary Colour Calibration (For 'E' models with CompactUTM zero only)
- ✓ Input Offset and Input Gain adjustments

Gamma

- ✓ Individual RGB adjustments from 0.25 to 4 in addition to native adjustment capabilities

Projector Specifications

Resolution (native)	1280x1024	Aspect ratio (native)	5:4
Technology	DDR - Double Data Rate DMD™ Module DLP™ by Texas Instruments	Contrast (black on/off)	>1000:1
Compatibility	For PCs, Macs, SGI and other workstations	Noise level	28 dB
Computer Interface	UXGA, SXGA+, SXGA, XGA, SVGA	Dimensions	278 x 244 x 88 mm
Video Interface	HDTV (1080i, 720p, 576i/p, 480i/p) Full NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM Faroudja™ de-interlacing with automatic film mode detection (3:2 and 2:2 pull down)	Weight	3.9 kgs
Inputs	2 VGA 15 Pin DSUB (Analogue RGB) 1 DVI (Digital RGB) 1 Component video (SDTV/HDTV) 1 S-video 1 Composite video 4 Stereo Mini jack audio	Power	90-260 VAC, 50-60Hz, 350 W
		Standard wide angle lens	1:1
		Optional intermediate throw	1.75-2.25:1
		Conformance	UL, CE, FCC Class A

Information in this document is subject to change without notice.

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