

# Cine 8 digital

*Cine* **VERSUM**  
Powered by BARCO

## ●●● | SPECIFICATIONS

CRT's	8" Matsushita P16LXV
Focussing System	6-pole Electromagnetic (TSN)
Astigmatism	9 Zone Digital
Liquid Cooling	Yes
Liquid Coupling	No (Air)
Lenses	USPL HD8
F-Number	F1.12
Colour Correction	Yes
Colour Filtering	Yes
Optical Resolution (@ 50% MTF)	10lp/mm
Scheimpflug Correction	Stepless
Brightness (@ 10% peak white)	1250 Lumens
ANSI Lumens (Boost mode)	250 Lumen
Contrast Ratio (Full On/Off)	> 15,000 : 1
Optical Resolution (Shrinking Raster)	1400 TV Lines
Computer Compatibility @ 60Hz	up to 2000 x 1750
Video/HD Compatibility with all sources from 480i (interlaced NTSC) to 1080p (HDTV)	Yes
RGB bandwidth (-3dB)	120 MHz
Input Selection	
1. Video on BNC	(loop through)
2. S-Video on 4 pins mini DIN	(loop through)
2. Video on 4 pins mini DIN	Yes (loop through)
3. RGsB/RGBS/RGBHV on D9 connector	Yes
4. RGsB/RGBS/RGBHV on 5 BNC	Yes
5. Component (R-Y, Y, B-Y) on 3 BNC	Yes
6. RGsB/RGBS/RGBHV with 3-Level Sync	Yes
7. Component (R-Y, Y, B-Y) with 3-Level Sync	Yes
Gold plated BNC connectors	Yes
Scan Frequency Range	
Horizontal	30 - 110 kHz
Vertical	37 - 240 Hz
Minimal Retrace Times	
Horizontal	< 1.8 µS
Vertical	< 200 µS



Based on Barco's top of the line latest digital CRT projector, the Cine 8 D provides outstanding performances. The advanced digital design features make Cine 8 D a standard in high resolution projection.

The Cine 8 D is equipped with new, ultra-high definition, liquid-cooled 8 inches CRTs with an advanced electromagnetic focus system and digitally controlled dynamic astigmatism, which guarantees razor sharp projected images, even at maximum contrast levels.

A new super-high definition, fully colour corrected, liquid coupled F1.1 lens provides outstanding image contrast.

The Digital Dynamic Astigmatism (DDA) enhances the overall focus quality of the projected image.

A large number of inputs and an extended video compatibility (from 480i to 1280p) give access to a wide range of sources.

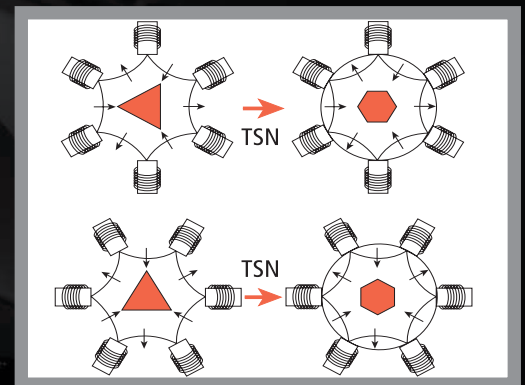


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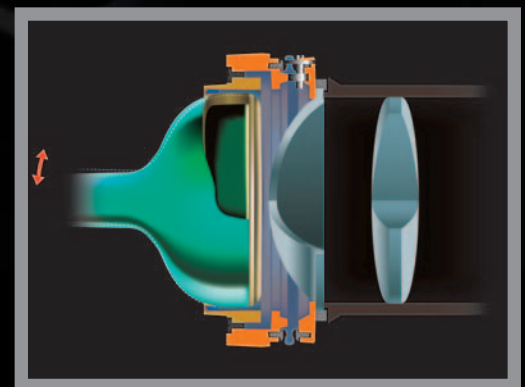
Convergence	5x5 - Zone
Programmable Aspect Ratio Settings	8 settings per source
Aspect Ratio	1.25:1 -> 2.35:1
Total Memory Banks	48
Internal Setup Patterns	Warm Up - Crosshatch
	Focus
Color Balance Settings	3,200 K - 5,400 K - 6,500 K
	9,300 K - Custom
Screen Size (4:3)	60" to 200" Diagonal
Typical Throw Distance (4:3)	1.44 X Screen Width
Typical Throw Distance (16:9)	1.43 x Screen Width
Maximum Additional Tilt Angle	12°(@ 64 kHz)
Geometric Distortion	< +/- 2%
LiMo Pro	Standard
Line Multiplier Modes	2X, 3X, 4X
Field Multiplier Modes	1X, 2X
IRIS <sup>3</sup> (Automatic Convergence & Geometry)	Standard
Acoustic Noise Level (@ 20°C & 1m all directions)	< 32 dBA
Low Noise Thermostatic Fans (DC controlled)	0
Normal Thermostatic Fans (DC Controlled)	2
Auto Diagnosis	Internal LED Indicators
Power Consumption (230VAC +15%/-10%)	500 W
Heath Dissipation (min. Airconditioning in enclosure)	< 1,900 BTU/hr
Finish	Matte Black
Gold CINE Logo	Gold Cine Logo
Power Requirements	100 - 240 VAC / 50 - 60 Hz

A Barco proprietary Digital Waveform Generation geometry & convergence correction offers digital control over all geometry, convergence, focus and astigmatism adjustments. The patented morph-interpolation algorithm enhances the digital waveform by suppressing all artifacts and generating smooth transitions. Convergence is adjustable in up to 81 independant zones.

Digitally controlled 6-poles offer advanced digital beam correction. Barco's Triangular Spot Nullifying (TSN) beam spot uniformity enhancement guarantees superb focus quality across the entire projected image.



Cine 8 D features a precision Scheimpflug optical correction system with stepless adjustments for both horizontal and vertical axes. This built-in optical correction guarantees optimal optical focus from left to right and top to bottom for projection under non-standard angles.



# C R T

For Ever

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