



HD8B DESIGN CHARACTERISTICS

f/number - f/1.1 at infinity

Focal Length - 140mm \pm 2%

TCL - See plot

CRT Raster Diagonal - 146.0mm (5.75") maximum

CRT Phosphor Surface - Flat

CRT Faceplate Thickness - nominally designed for the following CRT's:

Bulb = 5.75mm, nD = 1.572
Liquid = 4.81mm, nD = 1.420
Front Plate = 6.50mm, nD = 1.537
Total = 17.06mm

Other liquid cooled CRT's may be acceptable.

Screen Type - Flat

Magnification - 9.5X to 52.0X

Standard Coupling - Air coupled to liquid-cooled CRT

Resolution - See design MTF plots

Color Correction - fully color corrected

Transmission - Nominal transmission at 550nm better than 85%

Distortion - See plot

Coatings - multilayer anti-reflective coatings on all required surfaces

Relative Illumination - Approximately 30% at 92% of the field

Patented