

# Specifications

## DEFINITY DS Sound Film Recorder



### Central Image Processing Unit

Resolution	2K, 4K, 6K horizontal, sequential RGB 7680x2048 pixels anamorphic
Dynamic Range	2.8 log exposure units: Dmax 2.7 Status M above Dmin
LCD Life	Greater than 40,000 hours; typical 200,000 hours
Light Source Life	Greater than 100,000 hours measured to half brightness; typical 400,000 hours
Uniformity	Flat to the corners to +/-0.01 Status-M

### Digital Parameters

File Formats	CIN, DPX, SGI, TIFF, TGA, YUV, JPEG2000, PIC, RGB, and others
Image Aspect Ratio	Any user-defined image, aspect ratio, size and position
Color Depth	10bit / 12bit color on film

### Film Parameters

Raw Stock	Unit can be calibrated to any 35mm motion picture raw stock, including print
Cycle Times	1.2sec/frame for Camera negative 1.9sec/frame for intermediate Times independent of resolution

### Sound Parameters

File Formats	Dolby SR, Dolby SR-D (Digital), DTS, mono, stereo, variable density, uni and bilateral tracks, high magenta, cyan or b/w
Film Stocks	B/W sound negatives, Intermediate, internegatives, direct to print positives

### Subtitle Engine

Fonts	Any Windows available font Any size and color plus outline
Alignment	Left, center and right
Position	Top, center and bottom
Style	Preset possible

**DEFINITY  
Work Station**

Architecture	2* Intel Xeon 4-core processors
Physical Storage	3 Terabyte S-ATA RAID Array
Operating System	Windows 7 64bit Professional
Interfaces	Dual Gigabit Ethernet, USB 3.0, optional optical fiber adapter

**35mm Camera**

Film Registration	Fixed 3-pin registration VistaVision configuration
Magazines	2,000ft split magazines, 1,000ft optional

Specifications are subject to change without notice.  
Please verify before ordering.