

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, Color Negatives, Intermediate, Internegatives, Direct to Print Positives

DEFINITY

Work Station

Architecture	2* Intel Xeon Dualcore processors
Physical Storage	3 Terabyte S-ATA RAID Array
Operating System	Windows XP 64bit Professional
Interfaces	Dual Gigabit Ethernet, USB 2.0, 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.