

# Specifications

## DEFINITY LED LCD Film Recorder



### Central Image Processing Unit

|                   |  |
|-------------------|--|
| Resolution        | 2K, 4K, 6K horizontal, sequential RGB<br>7680x2048 pixels anamorphic             |
| Dynamic Range     | 2.8 log exposure units:<br>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;<br>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, negative or Kodak positive 2332         |
| Cycle Times | 1.2sec/frame for Camera negative<br>1.9sec/frame for intermediate<br>Times independent of resolution |

### 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.