DEFINITY

LCD DIGITAL
FILM RECORDER

DEFINITY

The world's first digital film recorder harnessing the full potential of ultra high resolution LCD technology, designed with one objective:

Delivering the perfect Digital Intermediate

Unmatched color fidelity, high dynamic range Extremely long life and minimal maintenance High speeds on both negative and intermediate

User Interface

Intuitive touchscreen GUI
Minimal instruction required

CineCal calibration software
Effortless densitometry
for Cineon & HD

Multiple job management Internet monitoring & messaging

Workstation

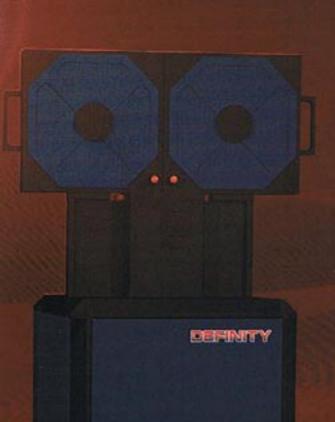
Powerful dual Opteron architecture
On-the-fly 9K interpolation
multichannel special frequency control

3 terabyte RAID Array Holds multiple feature films

<u>Dual gigabit Ethernet</u> Record straight from network







(CCC)

35mm Camera

<u>Automated film take-up</u> Reel exchange in seconds

Optimized transport mechanism

Minimal wear and maintenance

Apochromatic lens system
Sharpness across the spectrum

LCD Imager

Monochrome LCD

Total geometric stability, minimal flare, minimal crosscoupling between primaries

Anamorphic pixels

Cinemascope at up to 6K horizontal resolution

Revolutionary tri-phosphor fluorescent light source Exceptionally wide gamut and extremely long life - 80,000 hours to half-life

About CCG Digital Image Technology

DEFINITY is produced by CCG Digital Image Technology based in Hofheim near Frankfurt, Germany, which endows DEFINITY with a formidable pedigree: CCG can look back on more than 20 years experience in film recording technology and CGI, culminating in CCG's acquisition of Agfa Gevaert's film recorder division in 1997 and the transfer of production of the PCR and Alto product lines from the United States to Germany. Here our engineers managed to push a proven technology to a new level of quality and reliability. Today CCG's film recorders can be found in hundreds of laboratories, studios, post-production facilities and archives worldwide.



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DEFINITY Specifications

LCD Imager

Resolution 7680x2048 pixels sequential RGB

Pixel Aspect Ratios 1.0 / 1.5 / 3.0

Pixel Dynamic Range 2.8 log exposure units

LCD Life Greater than 20,000 hours;

typical 50,000 hours Unit guaranteed to have

no broken pixels in the lit state

Light Source Life Greater than 20,000 hours measured to

half brightness; typical 90,000 hours

Uniformity Flat to the corners to +/- 0.01 Status-M

Digital Parameters

File Formats CIN, DPX, SGI, TIF, TGA, JPEG 2000

Color Depth 10bit/12bit, color on film

Film Parameters

Raw stock Unit can be calibrated to

any 35mm motion picture raw stock

Cycle Times 1.2sec/frame for negative stocks

3.0sec/frame for intermediate stocks

Times dependent on calibration

Definity Workstation

Architecture AMD Opteron dual processor

Physical Storage 3 Terabyte S-ATA RAID Array

Operating System Windows XP Professional

Interfaces Dual Gigabit Ethernet, Frontside Firewire, USB2.0

35mm Camera

Film Registration Fixed 3-pin registration,

VistaVision configuration

Magazines 400ft / 1.000ft / 2.000ft split magazines

Guarantee 1 year / 2 years on LCD imager

Price €130,000 incl. 1,000ft magazines

Specifications subject to change without notice Please verify before ordering

