



# 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

Dual gigabit Ethernet  
Record straight from network





## 35mm Camera

Automated film take-up  
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 cross-  
coupling 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.

# CCG

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# DEFINITY Specifications

<b>LCD Imager</b>	
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
<b>Digital Parameters</b>	
File Formats	CIN, DPX, SGI, TIF, TGA, JPEG 2000
Color Depth	10bit/ 12bit, color on film
<b>Film Parameters</b>	
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
<b>Definity Workstation</b>	
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
<b>35mm Camera</b>	
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



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