DRC **Digital Repro Camera**

Ultra speed and extreme quality for your large formats !!!

METIS

Digital Repro Camera

The DRC system follows the success of the DMC Digital Macro Camera projected by Metis and presented in Photokina 2000, as the first system able to scan images over 3GB.
The Metis DRC, Digital Repro Camera, has been projected to reproduce big sizes originals at a very high resolution. Scan speed and reproduction quality make the DRC the most advanced and valuable Repro Camera today available in the market.
Either, electronics, high precision mechanical components and the software of the DRC system are entirely designed by Metis.
The Digital Repro Camera can be equipped with two different CCD models : a 10200 or a 14400 pixel CCD.
The scan has a full 12 bit per channel (36 bit in RGB) color depth.
An extensive scan mode has been implemented in order to achieve higher resolutions, that allows to increase scanning informations up to 50%.
The Electronics and mechanics allows extremely fast scans, up to date unthinkable for a system able to provide such results in terms of image quality, colours and resolution.
A very user friendly software make the DRC System very easy to use and sophisticated tools such as: automatic crop, automatic labeling, etc. makes the DRC a perfect system for high volume production.

DRC general features

- Acquisition method : micro-scanning
- Image sensor : Tri-linear CCD selectable between 10200 and 14400 pixels.
- Colour depth : 3x12 - 36 bit
- Max scan file size in native mode :
  > 600MB with 10200 CCD at 24 bit
  > 1200MB with 14400 CCD at 24 bit
- Max Original size in native mode :
  10200 CCD : 64x128cm @400PPI; 85x170cm @300PPI; 128x256cm@200PPI; 170x340cm@150PPI; 256x512cm @100PPI; 2xA0 @200PPI; A0 @300PPI; A1 @400PPI; A2 @600PPI; A3 @800PPI; A4 @1200PPI
  14400 CCD : 90x180cm @400 PPI; 120x240cm @300 PPI; 180x360cm @200PPI; 240x480cm @150PPI; 360x720cm @100PPI; 2xA0 @300PPI; A0 @450PPI; A1 @600PPI; A2 @ 900PPI; A3 @1200PPI; A4 @1800PPI
- Scalable Resolution
- Automatic focus with live-video tool
- Interchangeable optical system
- Extended resolution scan mode
- High grade precision mechanic

Main software features

- Scanning at 12 bit (36 bit color depth)
- Extended resolution :
  up to 1200MB with 10200 CCD at 24 bit
  up to 1800 MB with 14400 CCD at 24 bit
- Scan mode RGB or B/W (grayscale)
- Direct scan to RAM
- Image rotation on the fly
- Lighting and gray balance tool
- Unsharp masking on the fly
- Fast image preview tool
- Manual or automatic crop
- Selectable line time
- Save in TIFF or JPEG format

Minimum Computer Requirements

- Intel Pentium IV processor
- 1 GigaBytes RAM
- 18 GigaBytes Hard Drive
- Microsoft Windows 2000

DRC performances table :

10200 CCD		14400 CCD	
A4 at 300 PPI	< 10 sec.	A4 at 300 PPI	< 10 sec.
A3 at 300 PPI (4960x3550 pixels - 50MB)	< 15 sec.	A3 at 300 PPI (4960x3550 pixels - 50MB)	< 15 sec.
2A0 at 200 PPI (9500x13500 pixels - 365MB)	< 1 min.	2A0 at 300 PPI (14250x20250 pixels - 825MB)	< 3 min.
2A0 at *300 PPI (14250x20250 pixels - 825MB)	< 3 min.	2A0 at *400 PPI (19000x26500 pixels - 1.4GB)	< 5 min.

** with extended resolution*

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