

**BETTERLIGHT**

# model 4000

...the Studio Workhorse

The affordable, high performance digital imaging solution for any size studio

Introducing digital workflow into your studio provides significant reductions in material cost and tremendous time savings, as well as new creative opportunities. The versatility of the Better Light model 4000 scanning insert makes it capable of handling any challenge from volume catalog work to demanding ad assignments. Achieve excellent results with perfect color balance using low-cost tungsten lighting, or any other continuous light source.

In the studio or on location, the model 4000 captures consistently high quality images with the fastest scan times in the industry. Easy-to-use software allows the photographer to concentrate on photography, while enhancing productivity. Five selectable resolution levels optimize scan times and image sizes to job requirements. Smaller files are as sharp and clean as full resolution files, since no subsampling of data is done to reduce resolution.

The Better Light model 4000 delivers the highest value for the dollar in digital photography — the very best image quality for as little as \$10,000!

It's a smart way to get started in digital imaging, because the Better Light system allows you to upgrade to a higher resolution model as your imaging requirements grow. Plus, you can purchase additional continuous lighting and still spend less than the cost of other digital camera backs alone.

Work with your existing 4x5 view camera and lenses, in the studio or on location. Focus and compose normally on the ground glass and insert the Better Light scan back just like a film holder. Use any continuous light source, including daylight, fluorescent, HMI or tungsten; line-frequency flicker rejection even allows the use of standard magnetic-ballast fluorescent or HMI lights.

## TECHNICAL FEATURES – model 4000

- Five resolution settings up to 3750 x 5000 (53 MB RGB)
- Capture 53 MB color images in as little as 41 seconds
- Adjustable ISO sensitivity from 100 to 1600 (daylight)
- Triple 12-bit ADCs — up to 82 million pixels per minute
- 2 GB internal disk drive for offline image capture
- Kodak trilinear color CCD technology
- Single-pass color or monochrome scanning
- 50/60 Hz line-frequency flicker rejection
- Line exposure time selectable from 1/8 to 1/120 second
- Continuously adjustable color balance in 0.1 CC steps
- 11 f-stop dynamic range; 14-bit data path & lookup tables
- Save 8 or 16 bits per color (24 or 48-bit color images)
- Flawless resolution reductions without aliasing
- Fractional-pixel averaging always uses all CCD data
- Scan area 72 x 96 mm (2.83" x 3.78"); 120 mm diagonal
- Insert weight 0.96 kg (34 ounces)
- 4.6 meter (15 foot) cable from insert to control unit
- SCSI-2 interface from control unit to host computer
- Compact control unit includes disk drive and AC supply
- Flash memory for easy upgrades without opening unit
- Universal AC input 90-260 VAC, 50/60 Hz

## SOFTWARE FEATURES

### Straightforward user interface

- Primary camera controls and settings visible at a glance
- Color preview with manual and proportional cropping
- Scan progress indicator shows CCD position during scan

### Digital exposure information

- "Fast preview" shortens scan times to as little as 8 seconds
- Digital spot meter with RGB data and histogram readouts
- Preview image "clipping" highlights any range of values

### Digital focus verification

- On-screen display indicates best focus graphically
- Eliminate focus errors by using the CCD for focusing

### Automatic color balance for perfect neutrals

- Accurate gray balance from highlight to shadow
- Color balance readjusts the camera, not the output data

### Processing curve editor

- Exposure and contrast up/down buttons for rapid changes
- Five- or seven-point controls for precise curve shaping

### Image File Management

- Scan direct to RAM for rapid image file access
- Scan off line to free up host computer during long scans
- Image info and user notes saved with each TIFF file



**BETTERLIGHT**  
...simply better digital images

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