

BETTERLIGHT model 4000[™]E-HS...the Studio Workhorse

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

Adding large format digital workflow into your studio provides significant advantages over DSLR captures, as well as new creative opportunities. The versatility of the Better Light model 4000E 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 or fluorescent lighting, or any other continuous light source.

In the studio or on location, the model 4000E 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 4000E delivers the highest value for the dollar in digital photography — the very best image quality.

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, HID, fluorescent, HMI or tungsten; line-frequency flicker rejection even allows the use of standard magnetic-ballast fluorescent or HMI lights.

TECHNICAL FEATURES – model 4000E*

- 56 Megapixels - 300 ppi at 12.5" x 16.7"
- Five resolution settings up to 3750 x 5000 (106 MB RGB)
- Capture 106 MB color images in as little as 22 seconds
- Adjustable ISO sensitivity from 100 to 1600 (daylight)
- Triple 14-bit ADCs — up to 153 million pixels per minute
- 40 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 1/240 second
- Continuously adjustable color balance in 0.1 CC steps
- 12-stop dynamic range; 14-bit data converters
- 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 .96 kg (34 ounces)
- 4.6 meter (15 foot) cable from insert to control unit
- Hi-Speed USB-2 interface from control unit to host computer
- Compact control unit includes dedicated disk drive
- Flash memory for easy upgrades without opening unit
- Universal AC input 90-260 VAC, 50/60 Hz

* 4000E-HS Model is a new scanning back using a recycled CCD.

** 80 GB hard drive available at additional cost.

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 4 seconds
- Digital spot meter with RGB data and histogram displays
- ToneZones provides colorized preview of exposure values

Digital focus verification

- Eliminate focus errors by using the CCD for focusing
- On-screen display indicates best focus graphically
- SuperView gives fast, full-resolution focus preview

Automatic color balance for perfect neutrals

- Accurate gray balance from highlight to shadow
- Color balance readjusts the camera, not the output data
- Load custom ICC camera profiles for most accurate color

Processing curve editor

- Precise control of tones from brightest highlights to shadows
- Pre-set tone curves for a variety of common environments
- Invert option to view negative images as positive

Image File Management

- Save files as "RAW", 16 or 8-bit TIFF, or DNG
- Hard drive storage provides backup and ability to resave file
- Image info and user notes saved with each TIFF file

