

BETTERLIGHT SUPER 8K™ ...the Repro Perfectionist

The ideal solution for critical reprographic applications and large print output

The Better Light Super 8K™ offers an exceptional combination of image quality and file size unmatched by any other digital camera system. With its wide dynamic range, superb color fidelity, and adjustable resolution up to 12000 x 15990 pixels, the Super 8K raises digital imaging standards to new levels of performance.

The Super 8K is among the finest tools available for copy and restoration work, with no film grain and accurate neutrals using any light source. Museums, color labs and service bureaus utilize Better Light scan backs for extraordinary reproductions and critical digital archiving. The color balance and toning controls in the camera software provide exceptional control over the reproduction of delicate pastels or vibrant oil paintings. The ultra-high resolution, wide color gamut, and outstanding dynamic range of the Better Light Super 8K will produce an accurate rendition of any original, right down to the texture of the media.

Record first-generation digital images with perfect, uninterpolated pixel data up to 8000 x 10660 pixels (244 MB 24-bit RGB file). Or, choose Enhanced ResolutionSM settings up to 12000 x 15990 pixels (549 MB), to produce larger file sizes from cropped images, or to increase scanning resolution to avoid moiré patterns. Unlike post-capture interpolation, these Enhanced Resolution settings record additional image information during the scan, for sharper, more detailed reproductions.

Easy to use with any 4x5 view camera or copy stand, the Better Light Super 8K produces the finest image quality with precise digital control of all operating parameters. Rapid prescans with on-screen exposure tools provide comprehensive information about image data values for perfect renditions; digital focus verification allows exact focus using the CCD itself, for unparalleled sharpness and clarity in every scan.

TECHNICAL FEATURES – Super 8K™

- Eighteen resolution settings up to 12000 x 15990 (549 MB RGB)
- Capture 549 MB color images in as little as 200 seconds
- Adjustable ISO sensitivity from 64 to 1000 (daylight)
- Triple 14-bit ADCs — up to 172 million pixels per minute
- 6 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 1/80 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 12 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



Visit our website: www.betterlight.com

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