

Product Information

Bookeye® Grayscale Scanner

Product Description

Bookeye® grayscale scanner digitises formats up to A2. It has two scan modes

- 16 gray levels (10/4 bits) and
- 256 gray levels (10/8 bits).

Bookeye is equipped with a 20MHz camera with 32MB of intermediate storage RAM, which can sample 3800 lines per second, and a special chip for picture optimization. The technical data and measurements of the Bookeye® Grayscale Scanner are the same as the standard models. It is compatible with all Bookeye® accessories and solutions.

Why 10/4- and 10/8-Bit Grey Levels?

With 10/4 and 10/8, the first number indicates the color depth of the scanner in bits, i.e. 1024 gray levels. The second number gives the color depth of the image transferred to the PC in bits, i.e. 16 or 256 gray levels. Compared to other scanners that only have 256 gray levels on the camera side, Bookeye® has a much higher color depth.

Overhead scanners do not have exact control over the lighting conditions as flat-bed scanners do. Ambient light and uneven illumination influence the brightness distribution. There is also no standardized profile with a defined zero level, which also leads to differing reflectance.

Differences in brightness of 1:3 must be compensated electronically. The high resolution of 10 bits allows the Bookeye® Grayscale Scanner to achieve a much better correction of the brightness distribution and also increases the quality of the automatic contrast control and the two-dimensional edge recognition.

Advantages of the Bookeye® GS

- Higher quality with 256 gray levels and much better reproduction of photos, maps, plans and paper surfaces
- Free choice of 16 or 256 gray levels, giving a wider range of uses
- Separate threshold control for contrast and light for optimal digitizing of any original

Applications

- In libraries and archives for the reproduction of ancient books, maps and graphics
- Digitisation of newspapers, magazines, plans, binders, legal contracts and balance sheets
- Web publishing of documents up to format A2
- Scanning of received post for mixed originals with photos
- Copier mode: scan to print on PC controlled laser printer

Overview of Functions

	16 Grey Levels 10/4 -Bit	256 Grey Levels 10/8-Bit
Originals		
• Thickness of original without book cradle	15 cm	15 cm
• Thickness of original with book cradle	35 cm	35 cm
• Max. format without book cradle	A2	A2
• Max. format with book cradle	720 x 470 cm	720 x 470 cm
Technical Data		
• Brightness control levels	✓	✓
• Contrast control levels	✓	✓
• Autofocus range	15 cm	15 cm
• Scan modes	Text/Photo/ Grey levels	Text/Photo/ Grey levels
• Resolution in DPI	300, 200	300, 200
• Compatibility / Interface	Fujitsu Video	Fujitsu Video
Functions		
• ADL - automatic format recognition	✓	✓
• Book center fold correction	✓	✓
• Recognition of black edges - optional	✓	✓
• Suppression of black edges- optional	✓	✓
• Automatic color correction	✓	✓
• User defined format	✓	✓
• Automatic/manual page separation	✓	✓
Panel Controls		
• Brightness ,Contrast	✓	✓
• Format, Orientation, Clipping	✓	✓
• Scanner mode	✓	✓
Cycle Times (Scan & transfer to PC)		
• DIN A4 – Portrait sec.	3,3	4,4
• DIN A3 – Landscape sec.	5,1	7,3
• DIN A2 – Landscape sec.	7,9	12,5
• + store/display	PC dependent	PC dependent

System Requirements

- BCS-2 Version 2.93 with HiScan Video Board Rev.D

We recommend the BCS-2 for Windows NT 4.0/Windows 2000 with 32 MB and a PC Pentium III with 256 MB SDRAM.

Contact

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