

BookTEK® 5

BookTEK® 5 V1A-C35/C50



Scanning Speed

The scanning speed depends on the resolution alone. The BookTEK® 5 scanner always scans in full color, even if bitonal image output is selected. This produces the best possible images. The following matrix shows the scan speed depending on the resolution.

BE5-V1A-C50 Scan Time A1+ (914*635 mm)

| | | |
|---------|-----------|-------|
| DIN A1+ | @ 150 dpi | 1.2 s |
| DIN A1+ | @ 200 dpi | 1.5 s |
| DIN A1+ | @ 300 dpi | 2.1 s |
| DIN A1+ | @ 400 dpi | 2.8 s |
| DIN A1+ | @ 600 dpi | 4.1 s |

Optical System

| | |
|-----------------------|--|
| Maximum Scan Area | 635 x 914 mm (25 x 36 inch), 16% more than DIN/ISO A1 |
| Scanner Resolution | 600 x 600 dpi |
| Pixel Dimension | 9.3 x 9.3 μ m |
| Minimum Document Size | 100 x 100 mm (4 x 4 inch) |
| Camera | CCD line sensor, 22,500 pixels (11,000 scan lines equals to a 245 MPixel matrix camera) |
| Live Preview Camera | CMOS matrix, area sensor |
| Color Depth | 48 bit color 16 bit grayscale |
| Scan Modes | 24 bit color, 8 bit grayscale, bitonal, enhanced halftone |
| File Formats | Multipage PDF (PDF/A) and TIFF, JPEG, JPEG 2000, PNM, PNG, BMP, TIFF (Raw, G3, G4, LZW, JPEG), AutoCAD DWF, JBIG, DjVu, DICOM, PCX, Postscript, EPS, Raw data and more |

Illumination System

| | |
|------------------------|---|
| Light Source | White LEDs, tested according to IEC 62471 |
| Warm-up Time | None |
| Temperature Dependency | None |
| UV / IR Emission | None |
| Lamp Lifetime | 50,000 hours typ. Lamps are covered by the Extended Warranty Option |

Electrical Specifications

Two External Power Supplies

| | |
|-----------------------|----------------------------|
| Voltage | 100 – 240 V AC |
| Frequency | 47 – 63 Hz |
| Operating Temperature | 5 to 40 °C (40 to 105 °F) |
| Relative Humidity | 20 to 80% (non-condensing) |

Power Consumption incl. Monitors

| | |
|----------------------------|---------|
| Standby | 33 W |
| Ready to Scan, Monitor on | < 90 W |
| Scanning | < 130 W |
| Fully automatic scan cycle | < 230 W |

Document Specifications

| | |
|-----------------------------------|---|
| Maximum Book Weight | 30 kg (70 lbs.) |
| Book Thickness BookTEK® 5 V1A-C35 | 35 cm (14 inch) with glass plate 45 cm (18 inch) without glass plate |
| Book Thickness BookTEK® 5 V1A-C50 | 50 cm (20 inch) with glass plate 60 cm (24 inch) without glass plate |

Dimensions and Weight

| | |
|---|---|
| Scanner Outer Dimensions (H x W x D) | 1900 x 1800 x 1000 mm (75 x 71 x 39 inch) |
| Weight of Scanner | 165 kg (364 lbs.) |
| Dimension Transport Box (H x W x D) | 2100 x 1430 x 1150 mm (may differ) (83 x 56 x 45 inch, may differ) |
| Scanner Weight, Ready to Ship | 346 kg (763 lbs.) |

Ambient Conditions

| | |
|-----------------------|--|
| Operating Temperature | 5 to 40 °C (40 to 105 °F) |
| Storage Temperature | 0 to 60 °C (32 to 140 °F) |
| Relative Humidity | 20 to 80% (non-condensing) |
| Ambient Luminance | < 800 Lux |
| Noise | < 55 dB(A) (Fully automatic scan) < 38 dB(A) (Scanning) < 33 dB(A) (Standby) |

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