



# Technical Specifications

## Quartz A1 & A1 HD

|                           | Quartz A1  | Quartz A1 HD   |
|---------------------------|--|--|
| Scanner Type              | Planetary scanner  |  |
| Camera Head Type          | Tri-linear CCD sensor<br>Lens Rodagon<br>Motorized and automatic focus   |  |
| Resolution                | 400 x 400 dpi optical on A1  | 600 x 600 dpi optical on A1  |
|                           | Up to 800 x 800 dpi optical on smaller formats   | Up to 1000 x 1000 dpi optical on smaller formats   |
| Image Quality             | <ul style="list-style-type: none"> <li>- ISO 19264-1: level A at 400dpi,</li> <li>- Metamorfoze full at 300dpi</li> <li>- FADGI 3 stars at 300 and 400dpi</li> </ul> More than 6.7 lp/mm at 400 x 400 dpi  | <ul style="list-style-type: none"> <li>- ISO 19264-1: level A at 600dpi</li> <li>- Metamorfoze full at 600dpi</li> <li>- FADGI 4 stars at 600dpi</li> </ul> MTF at 600 dpi: >90% resolution efficiency (>10,6lp/mm)<br>More than 18 lp/mm at 1000 x 1000 dpi optical |
|                           | No image distortion: distance between the camera and the document is fixed and the angle is perpendicular  |  |
| Scanning Format           | More than A1: 1030 mm x 630 mm – 40.5" x 24.8"   | More than A1: 1030 mm x 618 mm – 40.5" x 24.3"   |
| Scan Time                 | Color: 6 s at 300 dpi on A1 format<br>Color: 8 s at 400 dpi on A1 format   | Color: 8s at 400 dpi on A1 format<br>Color: 12s at 600 dpi on A1 format  |
|                           | Saving in hidden time: images saved during scanning process<br>The scan can be launched immediately once the previous scan is done   |  |
| Scanning Mode             | Internal: color 48 bits, greyscale 12 bits<br>Output: color 24 bits, Greyscale 8 bits, B/W 1 bit   |  |
| Book Cradle & Glass Plate | <ul style="list-style-type: none"> <li>• Motorized book cradle with up and down motions</li> <li>• Ergonomic working table with accessible command panel, articulated screen arm and U-shape CPU support</li> <li>• Automatic glass plate pressure control</li> <li>• Scan can be done without contact with the glass plate</li> <li>• Automatic glass plate: scan is launched when the glass is down; the glass opens automatically when the scan is done</li> <li>• Glass plate easily removable: 1 person and 10s only</li> <li>• Security sensors for both operators and books security</li> <li>• Glass opening level can be modified to improve productivity.</li> <li>• 2 steps movement mode "loose sheet" (speed and level) for fragile or flat document</li> <li>• Footswitch for scanning with glass move up and down</li> </ul> <p>Book cradle and glass model available according to book A1 thickness and weight</p> <ul style="list-style-type: none"> <li>• <u>Model Book cradle 40</u>: book thickness closed 40 cm (15.7") / maximum weight 40 kg (88.1 lbs)</li> <li>• <u>Model Book cradle 25</u>: book thickness closed 25 cm (9.8") / maximum weight 25 kg (55.1 lbs)</li> </ul> |  |

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|  |  |
|--|--|
| <p><b>Lighting</b></p>                         | <ul style="list-style-type: none"> <li>• Long life LEDs lighting</li> <li>• No UV and IR emission</li> </ul> <p>- Complies with directive 2006/25/EC: classified in the group "safe" regarding the workers' health and safety</p> <p>- Unique lighting to enhancement relief on documents or objects</p> <p>- Glare free system even on highly reflective documents</p> <p>- Lighting below the operator's eyes level</p> <p>Lights only switched on during the scan time</p>  |
| <p><b>Scanner Software</b></p>                 | <ul style="list-style-type: none"> <li>• ROI (limiting the scan area to the width of the document being scanned)</li> <li>• Image displayed during scanning</li> <li>• Real-time lighting correction</li> <li>• Multiple saving frames with customized outputs</li> <li>• Thumbnails flow</li> </ul> <p>Production environment: login, metadata tagging, METS outputs ...</p> <ul style="list-style-type: none"> <li>• Automatic calibration mode</li> <li>• ICC Profile management</li> <li>• Multilingual operator interface</li> <li>• Software for remote maintenance</li> </ul> <p>Windows 10 or 11</p> |
| <p><b>Formats Supported</b></p>                | <p>TIFF, TIFF G4, TIFF Multipage, TIFF LZW, DNG, PNG, JPEG, JPEG2000, PDF, PDF Multipage</p>   |
| <p><b>Interface</b></p>                        | <ul style="list-style-type: none"> <li>• API</li> </ul> <p>Multi captures mode: glass plate, footswitch, keyboard</p>  |
| <p><b>Included Accessories</b></p>             | <ul style="list-style-type: none"> <li>• ColorChecker 24 patches test chart</li> <li>• USB footswitch</li> <li>• PC, mouse and keyboard</li> </ul> <p>Articulated screen arm for flat LCD screen</p>   |
| <p><b>Optional Accessories</b></p>             | <ul style="list-style-type: none"> <li>• 2xA2 or 2xA1 book holder (from 90 to 120°) with its glass plate</li> <li>• Light tables: 60 cm x 40 cm (23.6" x 15.7")</li> <li>• from 90° to 140° book holder</li> </ul> <p>16:9 flat screen 23" Full HD</p>   |
| <p><b>Warranty</b></p>                         | <p>12-months warranty / assistance contract included</p> <ul style="list-style-type: none"> <li>• hardware warranty (spare parts exchange or repair)</li> <li>• technical assistance (support &amp; diagnosis)</li> <li>• software updates</li> </ul> <p>Warranty / assistance extensions also available up to 5 years</p>   |
| <p><b>Dimensions, weight, power supply</b></p> | <p>Dimensions BC25 &amp; BC 40:</p> <ul style="list-style-type: none"> <li>• 1990mm (w) x 1620mm (d) x 1840mm (h) // 78.3" (w) x 63.7" (d) x 72.4" (h)</li> </ul> <ul style="list-style-type: none"> <li>• Weight: 310kg (683.4 lbs) (with BC25)</li> <li>• Weight: 335kg (683.4 lbs) (with BC40)</li> </ul> <p>Electrical power: 500 VA<br/>Robust design</p>   |