

# 4601-SL

## DIGITAL FILM SCANNER

**Capture the Indus Advantage** – High quality product, quick delivery, installation and user training on-site and on-going hardware and software support.

- POWERFUL SCANNING FEATURES IN A SMALL FOOTPRINT
- FAST 1-SECOND PREVIEW AND SCANNING IN COLOR OR B&W
- EASY-TO-USE CONTROLS, ENERGY-EFFICIENT OPERATION
- SCANS MICROFICHE, JACKETS, APERTURE CARDS, 16MM & 35MM ROLL FILM, NEGATIVE & POSITIVE COLOR FILM
- SCAN RESOLUTION UP TO 360 DPI, OUTPUT UP TO 600 DPI
- IMAGE ROTATION, SKEW ADJUSTMENT, IMAGE MASKING
- TIME-SAVING SCAN-TO-FILE AND SCAN-TO-PRINT FUNCTIONS
- STANDARD SL-TOUCH SOFTWARE, TOUCH PANEL COMPATIBLE
- OPTIONAL FOOT SWITCH FOR HIGH-VOLUME SCANNING

The **Indus 4601-SL** is an advanced digital scanner that will scan microfilm, microfiche, aperture cards, micro opaque cards and jackets. It will also scan **COLOR** microfilm, 35mm transparencies and positives displaying them on the computer screen instantaneously. The resulting scanned images are sharp and crisp and of the highest quality thanks to the high resolution 14.22 megapixel color area CCD sensor combined with the highest quality lens and LED illumination. The scan resolution ranges from 75 dpi in steps to 600 dpi. Imaging formats are the most commonly used: TIFF, JPEG, PDF, BMP and PNG.

With the **4601-SL** users in educational institution libraries, public and corporate libraries, governmental organizations and other users of film media can replace the analog equipment of the past and step into the digital information world enabling the easy retrieval, exchange and delivery of digitized information in their PC and via the internet.

The **4601-SL** is fast; users can preview and scan images in a second, perform image adjustment functions, scan to a file for delivery by e-mail or for storage, or scan to print to an attached printer, all by a few clicks of the mouse. Continuous scanning of a full roll film is a built-in feature in the **4601-SL**. The **4601-SL** comes with the application software and connects to the PC via an USB 2.0 interface.



**indus**®  
Tools for the microinformation age

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### Accessory Options

DESCRIPTION	ITEM NO.
M-Type Cartridge Adaptor Kit*	—
Enables easy and efficient loading of M-Type Cartridges	
A-Type Cartridge Adaptor Kit*	—
Enables easy and efficient loading of A-Type Cartridges	
Manual Switch Kit	7170018501
Allows you to toggle from automatic mode to manual mode to enable manual operation of the digital scanner	
<b>CARRIERS</b>	
Motorized Roll Film Carrier Kit	7170018101
Motorized roll film carrier supports 16mm & 35mm roll film; provides precision positioning of film image	
Manual Roll Film Carrier Kit	7170018301
Manual roll film carrier supports 16mm & 35mm film	

### Specifications

Type	Digital Film Scanner
Image Sensor	Color Area CCD Sensor 14.22 Megapixels
Light Source	White LED for Color
Gradation	Internal: 36 bit Output 24-bit Color, 8-bit grayscale, 1-bit B/W binary
Optical Resolution	360 dpi (Letter Landscape Conversion)
Scan Resolution	75/100/150/200/240/300/400/600 <sup>1</sup> dpi <sup>1</sup> 600 dpi applies to binary and gray scale only
Film Type	Microfiche, 16mm Roll Microfilm Positive & Negative <sup>2</sup> , 16mm Cartridge Microfilm (ANSII & M-Type) <sup>2</sup> , 35mm Cartridge Microfilm (Positive & Negative) <sup>2</sup> , Aperture Cards, Micro-Opaque Cards, Color transparencies and negatives (up to 35mm).
<sup>2</sup> With optional Motorized or Manual Roll Film Carrier.	
Lens Magnification	Optical Zoom: 6.8 - 54x Optical Zoom + Electrical Zoom: 6.8 - 105x
Focus Adjustment	Auto or Manual
Scan Speed	1 second (approximately) <sup>3</sup>
<sup>3</sup> Recommended PC requirements must be met to achieve rated scan speed.	
File Types Supported	JPEG, TIFF, PNG, BMP, PDF, TIFF Multi-Page, PDF Multi-Page
Output Size	11" x 17" (Portrait/Landscape) 8.5" x 14" (Portrait/Landscape) 8.5" x 11" (Portrait/Landscape) Check (Portrait/Landscape) -Standard Check Output Size 8.5" x 3.67" -Custom Output Size: 0.08" x 0.08" to 12.07" to 9.00"
Interface	USB 2.0 High Speed
Application Software	SL-Touch (standard)
OS Compatibility	32-bit OS: Windows Vista SP2 or later, Windows 7 64-bit OS: Windows Vista SP2 or later, Windows 7
Power Source	AC 100-240V, 50/60Hz
Power Consumption	Less than 30W (based on standard fiche carrier)
Operating Environment	Temperature: 50-95 °F, Humidity: 15 - 85%
Environmental Standards	Energy Star, RoHS Compliant, ErP Directive
Dimensions	(WxDxH) 12.83" x 16.73" x 6.97" (based on standard fiche carrier)
Weight	29.76 lbs. (based on standard fiche carrier)

### FUNCTIONS

Adjustable Image Masking, Adjustable Image Reduction, Batch Scan<sup>4</sup>, Batch Search<sup>4</sup>, Cropping, Deskew, Rotation (90° Step), Horizontal Flip, Negative/Positive Discrimination, Magnification, Image Adjustment, Real-Time View, Reproduction, Rotate, Scan to File, Scan to Print, Sleep Mode, Thumbnail View, Zoom

<sup>4</sup>Requires optional Motorized Roll Film Carrier.

### RECOMMENDED PC ENVIRONMENT<sup>5</sup>

CPU	Intel Core i7 870 2.93 GHz or faster
Memory	4 GB (minimum) or more
Video	GeFORCE GT430 1GB (minimum) or more
PC Monitor	Multi-Touch Panel
Display	Full HD: 1,920 x 1080 dots
SXGA:	1,280 x 1024 dots
HDD	SATA 3 7200 rpm 32MB buffer size or greater

<sup>5</sup>PC and PC Monitor not included. Specifications required to ensure optimum 4601SL performance.

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