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Labymos VK16

Labymos VIISAN VK16 Book & Document Camera Scanner User Manual

Model: VK16

Product Overview

The Labymos VIISAN VK16 is a versatile and highly accurate overhead book and document camera scanner designed for efficient digitization. It features a 16-megapixel sensor, making it suitable for capturing various materials including books, magazines, documents, receipts, business cards, 3D objects, and barcodes. Its compact and foldable design ensures portability and ease of use with a PC or laptop.

Key functionalities include advanced image processing such as automatic page flattening, removal of finger marks from scanned photos, repair of damaged document edges, text orientation-based page rotation, and automatic splitting of double-page spreads into separate images.



Image: The VK16 scanner positioned over an open book on a scanning mat, connected to a small external button.

Setup Guide

1. **Unpack the Scanner:** Carefully remove all components from the packaging, including the scanner unit, USB cable, and scanning mat.
2. **Position the Scanner:** Place the scanner on a stable, flat surface. Ensure there is enough space for the scanning mat and the documents you intend to scan.
3. **Connect to Computer:** The VK16 is UVC compatible and driver-free. Connect the scanner to your computer using the provided USB cable. The scanner is compatible with Windows 7/8/8.1/10/XP and MAC systems.
4. **Install Software (if necessary):** While the device is driver-free, specific software may be required for advanced features like OCR or specific scanning modes. Refer to the official VIISAN website (http://www.viisan.com) for the latest software downloads and installation instructions.
5. **Place Scanning Mat:** Position the black scanning mat under the scanner's camera arm. This mat helps with document alignment and provides a contrasting background for optimal scanning.

Important Note: *Only use the USB cable provided or a compatible high-quality USB 2.0 Type B cable for connection to ensure proper functionality and power supply.*

Operating Instructions

Basic Scanning

To perform a basic scan, place the document or book flat on the scanning mat, ensuring it is within the camera's field of view. Open the scanning software on your computer. The VK16 features a 16-megapixel sensor for high-resolution captures. Initiate the scan using the software's scan button or the external one-click scanning button.



Image: The VK16 scanner highlighting its 16-megapixel camera and the convenience of one-click scanning.

Continuous Scanning with Smart Page Turning Detection

The scanner supports automatic continuous scanning, which significantly improves efficiency. When enabled, the device can automatically detect when a page is turned and initiate the next scan without manual intervention. This

feature is particularly useful for digitizing multi-page documents or books quickly.

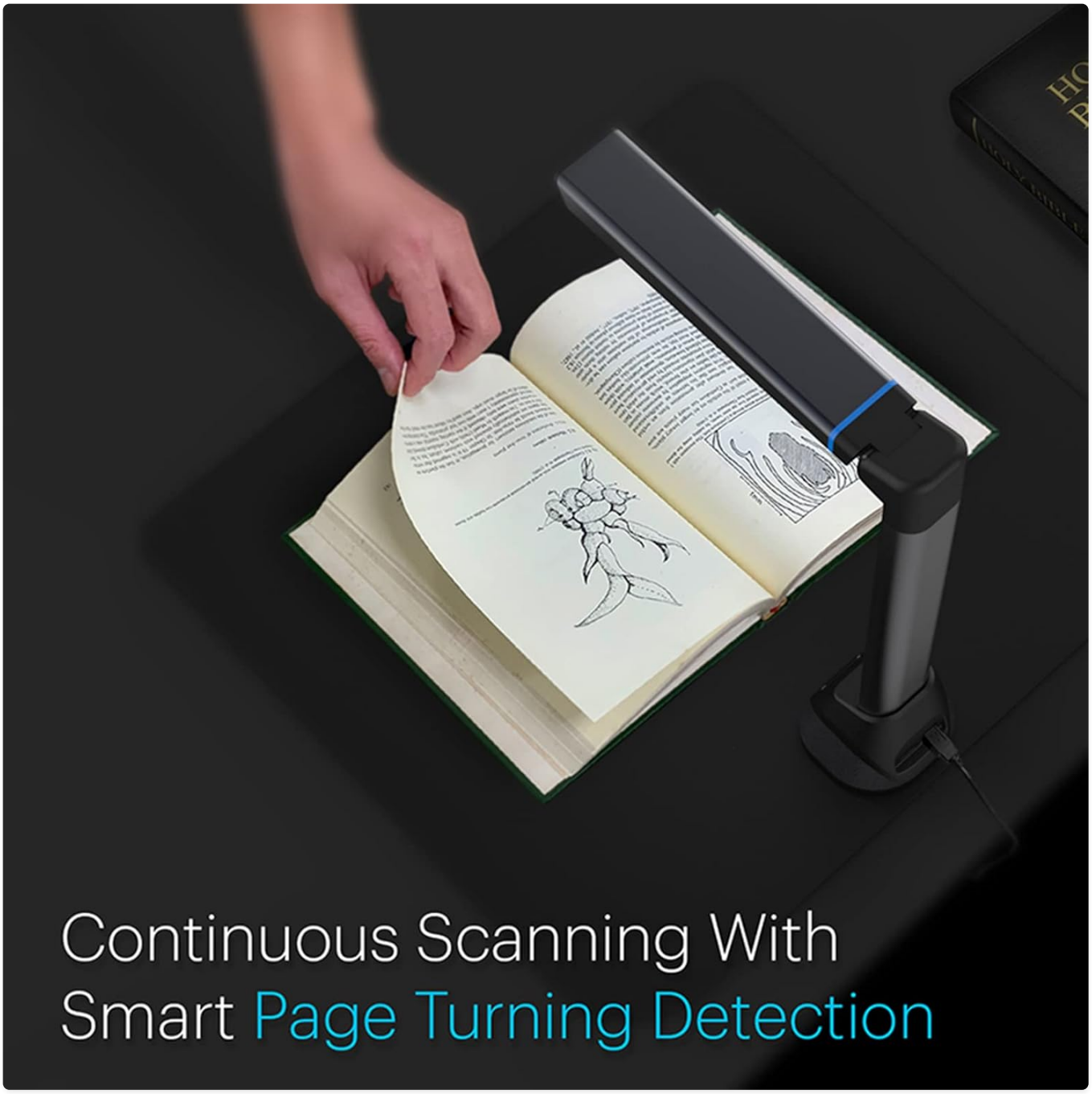


Image: A hand turning a page of a book under the scanner, demonstrating the continuous scanning and smart page turning detection feature.

Optical Character Recognition (OCR) Function

The VK16 includes a powerful OCR function that allows you to convert scanned images into editable text formats. All scanned images can be converted to PDF, Word, Excel, ePub, or TXT files. The OCR function supports multi-language character recognition, enabling conversion of scanned text into editable word files across various languages.



Image: A visual representation of the scanner's powerful multi-language OCR capability, showing text recognition from a scanned document.

Multi-function Scanning Features

Beyond basic scanning, the VK16 offers several intelligent image processing features:

- **Auto-Flattening:** Automatically corrects the curvature of book pages, ensuring flat and readable scans.
- **Finger Removal:** Detects and removes fingers from scanned photos, common when holding down pages.
- **Damaged Edge Repair:** Automatically repairs and cleans up damaged or torn edges of documents.
- **Text Orientation Rotation:** Rotates pages based on the detected text orientation for correct viewing.
- **Double-Page Splitting:** Automatically splits a scanned double-page spread into two separate, individual images.
- **Multi-Card Scanning:** Allows scanning and cropping multiple cards (e.g., business cards) at once for optimized efficiency.

Intuitive Lighting Controls

The VK16 is equipped with a built-in top LED light, featuring 3 levels of touch-controlled brightness. This allows you to adjust the illumination according to the ambient environment, ensuring clear photos even in low-light conditions.



Image: The scanner's LED light illuminating a book, demonstrating the adjustable brightness feature for optimal scanning in various lighting conditions.

Multiple Operating Modes

The scanner supports various methods to trigger scanning:

- **External Hand Button:** A dedicated physical button for initiating scans.
- **Foot Pedal (Optional):** For hands-free operation, a foot pedal can be used to trigger scans.
- **Software Button:** Initiate scans directly from the accompanying software interface on your computer.

- **Interval Time Scanning:** Set a specific time interval for the scanner to automatically capture pages continuously, ideal for large scanning tasks.



Image: Illustrations of the external hand button and an optional foot pedal, showcasing the flexible operating modes of the scanner.

Teaching Video Tutorials and Visualizer Function

The VK16 can be utilized for educational purposes. Thanks to its sub-camera recording function and compatibility with OfficeCam software, you can create interactive video tutorials by using the laptop webcam with the scanner to record yourself teaching.

Additionally, the innovative visualizer function allows you to easily project your laptop screen with a connected projector. This enables the use of the embedded whiteboard tool within the scanner software for interactive presentations during meetings or lessons.



Image: A visual example of how the scanner can be used to create teaching video tutorials, integrating the scanner's view with a webcam feed.



Image: A diagram demonstrating the visualizer function, where the scanner's output can be projected for presentations or collaborative work.

Maintenance

To ensure the longevity and optimal performance of your Labymos VIISAN VK16 scanner, follow these simple maintenance guidelines:

- **Cleaning the Lens:** Gently wipe the camera lens with a soft, lint-free cloth. For stubborn smudges, use a lens cleaning solution specifically designed for optical surfaces. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Body:** Use a dry or slightly damp soft cloth to clean the exterior of the scanner. Do not use liquid cleaners directly on the device.
- **Storage:** When not in use, store the scanner in a clean, dry place away from direct sunlight and extreme temperatures. The foldable design allows for compact storage.

- **Cable Care:** Ensure the USB cable is not kinked or strained. Always disconnect by pulling the plug, not the cable itself.

Troubleshooting

If you encounter issues with your Labymos VIISAN VK16 scanner, consider the following common troubleshooting steps:

- **Scanner Not Detected:**
  - Ensure the USB cable is securely connected to both the scanner and your computer.
  - Try connecting to a different USB port on your computer.
  - Restart your computer.
  - Verify that the correct software (if applicable) is installed and running.
- **Poor Image Quality:**
  - Clean the camera lens as described in the Maintenance section.
  - Adjust the built-in LED light brightness to suit the environment.
  - Ensure the document is placed flat and within the camera's focus area.
  - Check software settings for resolution and image enhancements.
- **OCR Not Working Correctly:**
  - Ensure the scanned image is clear and well-lit.
  - Verify that the correct language pack is selected in the OCR software.
  - Text should be clearly legible and not too small or distorted.
- **Software Issues:**
  - Ensure your operating system is compatible (Windows 7/8/8.1/10/XP, MAC).
  - Check the VIISAN website (http://www.viisan.com) for updated software or drivers.
  - Reinstall the scanning software if problems persist.

For further assistance, please refer to the official VIISAN website or contact customer support.

Technical Specifications

Feature	Specification
Material	Aluminum
Color	Black
Sheet Size	A3 (420 x 297mm)
Image Sensor	16 MP CMOS sensor

Scanner Type	Snap, magazines, books, documents, receipts, business cards, 3D objects, barcodes
Document Format	PDF/WORD/TXT/EXCEL
Image Format	JPG
Lens Focus	Fixed Focus
Resolution	4608 x 3456 pixels
Light Source	4 LEDs
Interface	USB 2.0 Type B * 1 (For PC Connection), USB 2.0 Type-A * 1 (For USB Extension)
Input	5V by USB powered
Compatible System	Windows 7/8/8.1/10/XP, MAC
Item Size	9.3 * 8.2 * 36.2cm (3.7 * 3.2 * 14.3in)
Item Weight	800g (1.8lb)
Product Dimensions (Package)	48.5 x 14 x 11 cm
Manufacturer	Labymos
ASIN	B0DP2PNGSK

Disclaimer: *Hardware specifications are subject to change without notice. For the most current information, please refer to the official VIISAN website (http://www.viisan.com).*

Warranty and Support

The Labymos VIISAN VK16 scanner typically comes with a standard manufacturer's warranty. For detailed warranty terms and conditions, please refer to the documentation included with your purchase or visit the official VIISAN website.

Extended warranty plans may be available for purchase, offering additional coverage beyond the standard period. For example, 1-Year and 2-Year Extended Warranty Plans are often offered.

For technical support, software updates, or any inquiries regarding your scanner, please visit the official VIISAN support page or contact their customer service directly. Always provide your product model (VK16) and ASIN (B0DP2PNGSK) when seeking support.

Official Website for support and updates: http://www.viisan.com

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