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## Aneken AL-931-Pro

# Aneken Mixed Denomination Money Counter Instruction Manual

Model: AL-931-Pro | Brand: Aneken

## INTRODUCTION

The Aneken Mixed Denomination Money Counter is designed for efficient and accurate cash counting with advanced counterfeit detection. This machine automatically recognizes banknote denominations and calculates totals, saving significant time for businesses and individuals handling large volumes of cash. It incorporates state-of-the-art 2CIS technology for bank-level security against counterfeiting.

## PACKAGE CONTENTS

Upon unboxing, please verify that all components are present:

- Aneken Money Counter Unit
- Power Cord
- Clean Brush
- Spare Fuse
- External Display
- User Manual (this document)
- Bunch of Paper (for testing/banding)



Image: All components included in the Aneken Money Counter package, including the main unit, power cord, cleaning brush, spare fuse, external display, user manual, and paper bands.

## SETUP

1. **\*\*Unpacking:\*\*** Carefully remove the money counter and all accessories from the packaging. Retain the original packaging for future storage or transport.
2. **\*\*Placement:\*\*** Place the money counter on a stable, flat surface. Ensure there is adequate space around the machine for proper operation and ventilation.
3. **\*\*Power Connection:\*\*** Connect the power cord to the machine's power input and then to a suitable power outlet.
4. **\*\*Initial Power On:\*\*** Press the power button to turn on the machine. The touch screen display will illuminate.
5. **\*\*External Display (Optional):\*\*** If using the external display, connect it to the designated port on the back of the money counter.

## OPERATING MODES

The Aneken money counter offers several operating modes to suit various counting needs. Navigate between modes using the 'MODE' button on the control panel or the touch screen.

## 1. Mixed Denomination Counting (MDC) Mode

In MDC mode, the machine automatically recognizes and calculates the total value of mixed denominations of a single currency, or even multiple currencies simultaneously. This mode is ideal for quickly processing unsorted cash.

- **\*\*Functionality:\*\*** Counts mixed bills and provides a total value.
- **\*\*Multi-Currency Support:\*\*** Can handle multiple mixed denomination currencies simultaneously (e.g., USD, EUR, CAD).
- **\*\*Serial Number Recognition:\*\*** Supports recognition and recording of serial numbers.



Image: Illustration of the Mixed Denomination Counting (MDC) feature, showing various currencies being processed together.

Your browser does not support the video tag.

Video: Demonstrates the Aneken AL-931 Mixed Denomination Money Counter in action, showcasing its various counting modes and

features, including mixed denomination counting and multi-currency processing.

## 2. Piece Counting (CNT) Mode

In CNT mode, the machine counts the number of bills without verifying their authenticity or denomination. This is useful for simply tallying the quantity of notes.

**MDC:**  
Mixed Denomination Counting

✓  OR  ✓

Same Currency Different Denomination      Different Currency Different Denomination Counting

**CNT:**  
Piece Counting

Only counting the number of bills, not verifying the authenticity of the bills.



**SDC:**  
Single Denomination Counting

Single denomination counting is automatically recognized by the first bill.

✓  

For example, if the first bill is 5 dollars, this counting can only pass 5 dollar.  
**And other denominations will be reported as errors.**

**SDCV:**  
Version Sorting

Distinguish between different currency versions, e.g. there are 4 different versions of \$100 (1929 Series/1969 Series/1996 Series/2013 Series).



Image: A visual guide explaining the different counting modes: Mixed Denomination Counting (MDC), Piece Counting (CNT), Single Denomination Counting (SDC), and Version Sorting (SDCV).

## 3. Single Denomination Counting (SDC) Mode

SDC mode is used for counting bills of a single denomination. The machine automatically recognizes the denomination of the first bill and will report any other denominations as errors.

## 4. Version Sorting (SDCV) Mode

This advanced mode distinguishes between different versions of the same currency, such as various print series of a \$100 bill (e.g., 1929 Series, 1969 Series, 1996 Series, 2013 Series).

## COUNTERFEIT DETECTION

The Aneken money counter features advanced 2CIS (Contact Image Sensor) technology, providing bank-level anti-counterfeiting detection. This comprehensive system utilizes multiple detection methods to ensure the authenticity of banknotes.

- **UV (Ultraviolet) Detection:** Checks for UV features present in genuine banknotes.
- **MG (Magnetic) Verification:** Detects magnetic ink and security threads.
- **IR (Infrared) Sensor:** Verifies infrared patterns and properties.
- **Dimensional Validation:** Measures the correct banknote size and dimensions.
- **Thickness Verification:** Measures the thickness of the paper.
- **Fluorescence Analysis:** Analyzes fluorescent properties of the paper.
- **Color Changing Ink Detection:** Identifies color-shifting ink features.
- **Serial Number Recognition:** Records and verifies serial numbers.



Image: Diagram illustrating the 2CIS bank-level detection capabilities, including magnetic, UV, infrared, fluorescence, color changing ink,

## MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your money counter.

- **Cleaning:** Use the provided clean brush to regularly remove dust and paper residue from the bill pathways, sensors, and rollers. Ensure the machine is powered off and unplugged before cleaning.
- **Sensor Cleaning:** Gently wipe the sensors with a soft, lint-free cloth. Avoid using abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check for and install software updates to ensure compatibility with new currency designs and improved detection algorithms. Updates are available through customer support.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your money counter.

Problem	Possible Cause	Solution
<b>Bills Jamming Frequently</b>	Worn rollers, dust/debris in the bill path, improperly stacked bills, damaged bills.	<ol style="list-style-type: none"> <li>1. Clear any jammed bills.</li> <li>2. Clean the bill path and rollers with the provided brush.</li> <li>3. Ensure bills are neatly stacked and not folded or torn before feeding.</li> <li>4. If problem persists, contact customer support for roller replacement.</li> </ol>
<b>Inaccurate Counts</b>	Dirty sensors, worn rollers, bills not properly aligned.	<ol style="list-style-type: none"> <li>1. Clean all sensors and rollers.</li> <li>2. Ensure bills are flat and properly aligned in the hopper.</li> <li>3. Adjust sensitivity settings if available (refer to touch screen menu).</li> </ol>
<b>Counterfeit Detection Errors</b>	Dirty sensors, outdated software, severely damaged or worn genuine bills.	<ol style="list-style-type: none"> <li>1. Clean all detection sensors (UV, MG, IR).</li> <li>2. Update the machine's software to the latest version.</li> <li>3. Test with known genuine bills to confirm functionality.</li> </ol>

# Structural Upgrade

Solve the problem of money jam

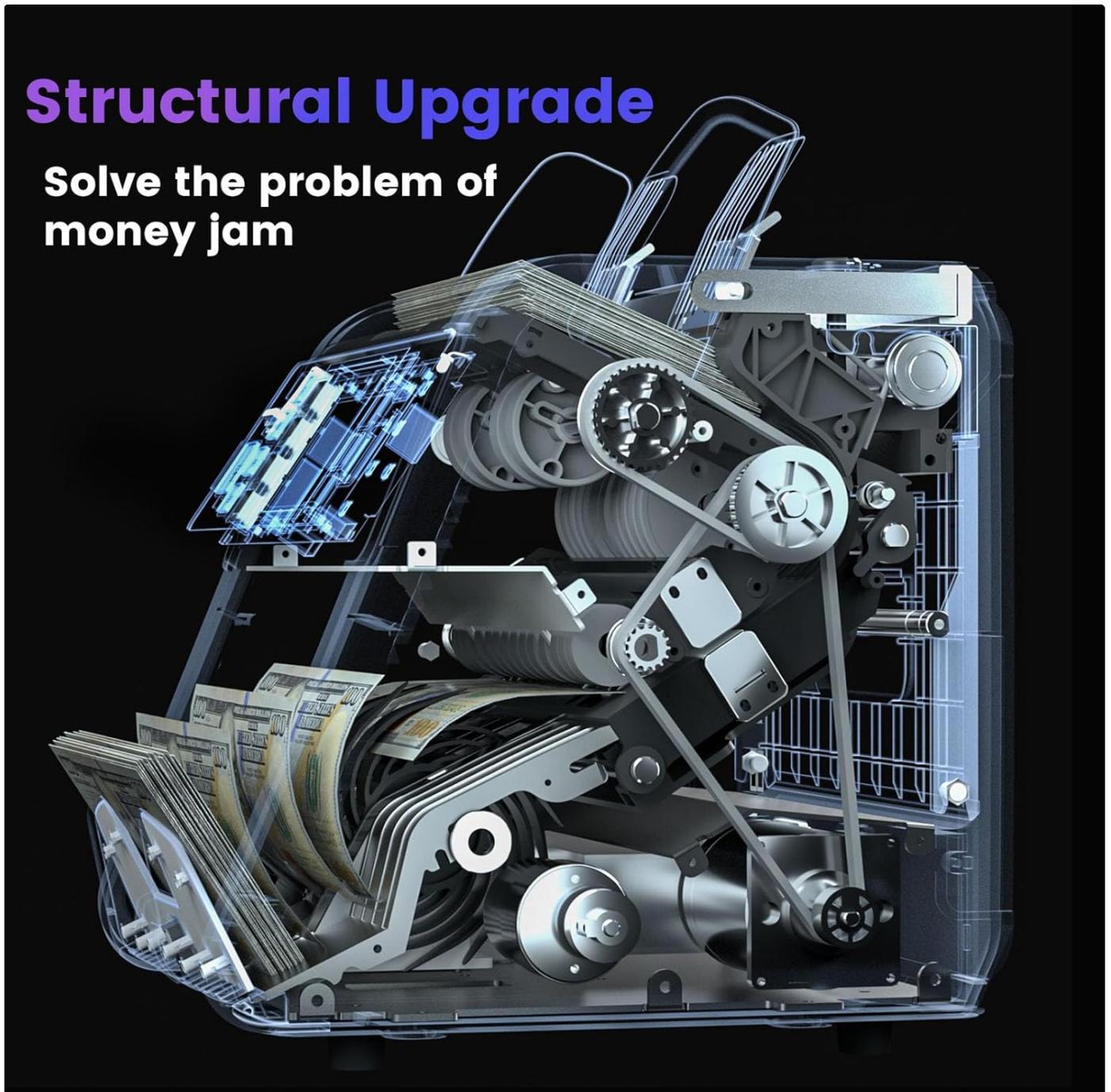


Image: An internal structural diagram of the money counter, highlighting components designed to prevent money jams and ensure smooth operation.

## SPECIFICATIONS

Feature	Detail
Model Number	AL-931-Pro
Detection Technology	2CIS, UV, MG, IR, NT, SN Recognition
Display	4.5-inch Touch Screen
Currency Recognition	Upgradeable to recognize 120 currencies
Item Weight	17.66 pounds
Package Dimensions	14 x 13.9 x 12.1 inches

## WARRANTY AND SUPPORT

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Aneken is committed to providing excellent customer service and support for your money counter.

- **Lifetime Technical Support:** We offer lifetime technical support to assist you with any operational or technical queries.
- **Free System Upgrades:** Enjoy free system upgrades for the life of the product, ensuring your machine remains up-to-date with the latest features and currency recognition capabilities.
- **Privacy Protection:** The product is shipped in discreet outer packaging to prioritize your privacy and security.

For support, please visit the official Aneken store or contact customer service through the provided channels in your purchase documentation.

[Visit the Official Aneken Store](#)