

ver: 200115

Designed by Cassida Corporation, USA  
Assembled in China

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# USER MANUAL

CASSIDA UNOplus UNIVERSAL COUNTERFEIT DETECTOR

This manual contains important information on safety measures and operational features, please read it carefully before operating your detector and keep it for future reference.

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**1. GETTING STARTED****1.1 ABOUT THE CASSIDA UNOplus**

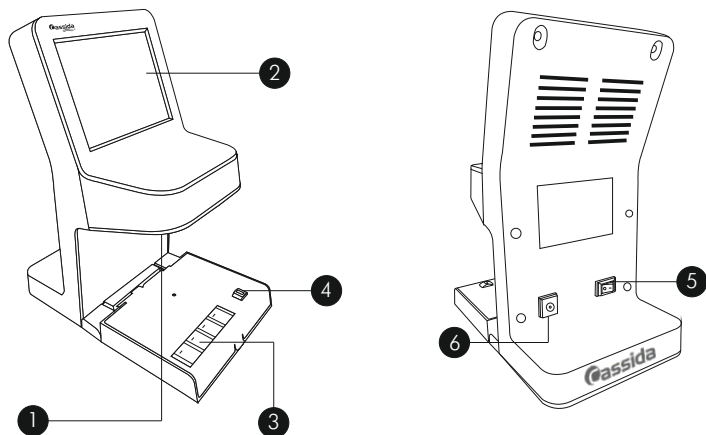
The Cassida UNOplus is a universal detector which detects the security features present on bills. The Cassida UNOplus uses powerful IR technology to verify the security marks that are visible in the IR-spectrum. The detector can also verify the bills on the both sides simultaneously, as well as watermarks by transparent IR detection. There are also the ultraviolet and magnetic detections in Cassida UNOplus. During the operation, all detections can be activated at once. Cassida UNOplus is a compact and stable detector with large LCD display.

Cassida UNOplus is invaluable to banks, retail stores, gas stations, hotels, restaurants, bars, nightclubs, movie theatres and all other cash-intensive environment.

**1.2 BOX CONTENTS**

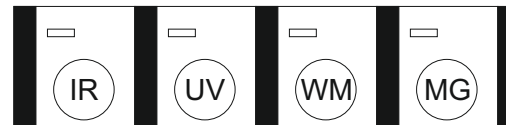
- Cassida UNOplus advanced counterfeit detector
- AC power adapter
- User manual

### 1.3 VIEWS OF THE CASSIDA UNOplus



1. IR camera
2. LCD monitor
3. Control panel
4. MG sensor
5. Power switch
6. Power outlet

### 1.4 CONTROL PANEL



**IR** – infrared detection key;

**UV** – ultraviolet detection key;

**WM** – transparent infrared detection key is to verify the watermarks on the both sides of the bill simultaneously;

**MG** – magnetic detection key.

### 1.5 SPECIFICATIONS

Power supply:	110 -220 VAC 50-60 Hz
Power consumption:	<10 W
Ambient temperature:	32°F-122°F (0°C-50°C)
Ambient humidity:	20-70%
Net weight:	1.6 lb (3.5 kg)
Dimensions:	206 x 105 x 140 mm (11.65" x 4.1" x 5.5")
Counterfeit detections:	IR, UV, MG, WM
Monitor:	4" LCD

## 1.6 IMPORTANT SAFETY INSTRUCTIONS

- When using this unit, basic safety precautions should always be taken, including the following:
- Only use the AC/DC adapter provided with the unit. The use of other AC/DC adapters may result in electrical shock, fire or cause serious damage to the unit.
- Do not use this product in areas where it may be exposed to water or other liquids. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- To reduce the risk of electrical shock, do not disassemble this product.
- Take it to a qualified service center when service or repair work is required.
- Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electrical shock when the appliance is subsequently used.
- Do not operate the unit in areas with high temperature or high humidity since it may prevent it from working correctly.
- Do not use the unit if the power cord is damaged or if the plug socket contact is loose. Failure to do so may result in electrical shock or fire.
- When not using the unit for a long period of time, remove the power plug from the wall outlet.

## 2. OPERATION

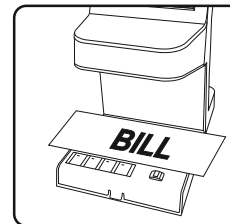
### 2.1 POWERING UP

Connect the AC/DC adapter to the Cassida UNOplus unit and plug the adapter plug into a power outlet. Turn the Cassida UNOplus on by toggling the --/o switch on rear of the unit to -- (see 1.3).

## 3. DETECTIONS

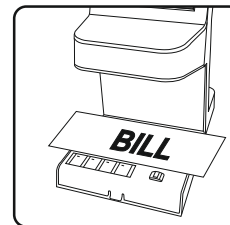
### 3.1 INFRARED DETECTION (IR)

To activate infrared detection, press "IR" key. After pressing the key, the indicator will be lit, showing that detector is ready to operate. Put the bill on the detector (desktop) viewing surface. When LCD screen will display a picture, the hidden security marks, which are invisible by visual examination, can be scanned. Check the presence of infrared security marks on the bill according to the standards.



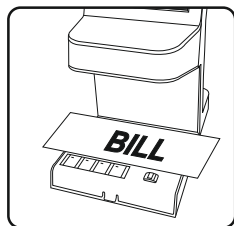
### 3.2 ULTRAVIOLET DETECTION (UV)

To activate ultraviolet detection, press "UV" key. Put the bill on the detector (desktop) viewing surface. The ultraviolet detection allows to verify the background illumination and fibers of the bills by ultraviolet light. Check the presence of fibers on the bill, and ensure that background illumination corresponds to the standards.



### 3.3 TRANSPARENT INFRARED DETECTION AND WATERMARKS (WM)

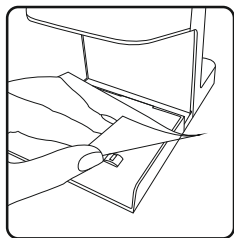
To activate ultraviolet detection, press "UV" key. Put the bill on the detector (desktop) viewing surface. The ultraviolet detection allows to verify the background illumination and fibers of the bills by ultraviolet light. Check the presence of fibers on the bill, and ensure that background illumination corresponds to the standards.



### 3.4 MAGNETIC DETECTION (MG)

Lean the bill mark against magnetic sensor. Make several light reciprocal movements longwise by bill over the magnetic sensor. Magnetic mark presence is signaled with a sound and beep. Additionally, lack of magnetic ink in other areas of the bill can be checked. For that superpose the location of supposed ink absence with magnetic sensor. Be sure there is no sound signal and indicator is not lit up. Pay attention to the following:

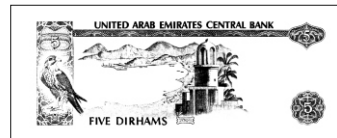
Do not use one bill more than once when working with magnetic sensor. Otherwise magnetization of the bill, accumulation of static electricity occurs and the sensor can snap into action at a point where there is no magnetic ink. Two or three light reciprocal movements are enough for testing, do not make excessive efforts when move the banknote to-and-fro.



## 4. IR SECURITY MARKS BY CURRENCY

### 4.1 AED BILLS

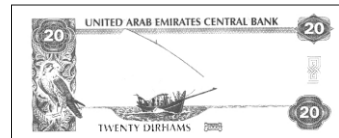
5 AED



10 AED



20 AED



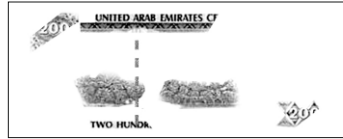
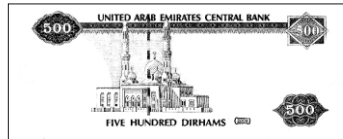
50 AED



100 AED



200 AED

500 AED  
2008500 AED  
2011

1000 AED



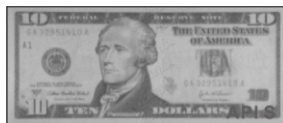
## 4.2 USD BILLS

TIP: ALL BILLS HAVE JUST ONE SECURITY IR FEATURE: A VERY PROMINENT STRIPE (SOME HAVE 2) ACROSS THE BILL.

5USD



10USD



20USD



50USD



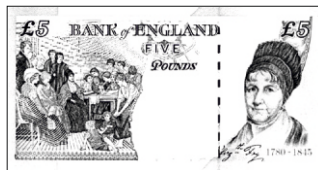
100USD



NOTE: Only 1999 and later issues of USD bills have IR security marks

## 4.4 GBP BILLS

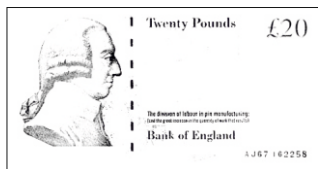
5 GBP



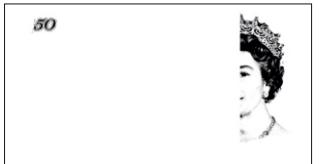
10 GBP



20 GBP



50 GBP



## 4.4 EURO BILLS

5 EUR



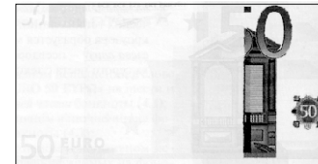
10 EUR



20 EUR



150 EUR



100 EUR



200 EUR



500 EUR





## 5. MAINTENANCE AND WARRANTY

### 5.1 MAINTENANCE

Clean the monitor and the IR camera protection glass with a soft cloth. In case of malfunction, contact Cassida Technical Service at [www.cassida.me](http://www.cassida.me)

### 5.2 WARRANTY

Warranty is effective for a period of one year from the date of purchase. In most cases, the malfunction of the machine can be resolved by cleaning the unit.

- Customer should allow Cassida the time and opportunity to test and diagnose the machine to determine warranty and non-warranty claims.
- After receiving and unpacking the units, Customer shall keep the package and its user manual. Warranties are canceled in the event the device is transported in a non-original packaging or operation/maintenance conditions are not met.
- Company is not responsible for unit malfunction due to improper maintenance, storage and transportation including mechanical damage.
- Manufacturer is entitled to introduce updated software, not described in the current user manual.

#### Non-warranty service:

Cassida can perform maintenance and cleaning for an extra fee. For a non-warranty repair or maintenance quotation, contact Cassida Technical Support.

Warranty service is not available in the following cases:

- Cleaning of the unit from dust and mud
- Absence of a warranty card or an incorrectly filed warranty card
- Operation or maintenance requirements detailed in the user manual are not met
- There is mechanical damage to the unit or the seal portions of the unit have

been opened or tampered with

- There are foreign objects or liquid inside of the unit.

#### Shipping:

The warranty does not cover shipping cost to or from Cassida's Technical Service Center. Before shipping the unit to the Cassida's Technical Service Center the warranty card must be filled out with model full name and number, serial number, cause for service, errors occurred.

### 4.3 CONTACT INFORMATION

#### Technical Support contact information:

e-mail: [fabin.johny@cassida.me](mailto:fabin.johny@cassida.me)

tel: 042 739 328

[www.cassida.me](http://www.cassida.me), [www.cassidausa.com](http://www.cassidausa.com)

When contacting Cassida Technical Support, please have the following:

- Product model – Located on the back side of your currency counter
- Serial number – Located on the back side of your currency counter
- Nature of the problem – What happens, and when did it happen? Did the machine display an error message?
- Steps already taken to resolve the problem, and the results.

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Hor Al Anz East, Behind Al Mamzar Centre

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