

# ULED-1500 Manual

## Mountable UV-LED Counterfeit Detector

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Identify banknotes, IDs, & more using  
unique UV Security Features



LED UV lights



US Dollar Banknote Security Features Guide



## ULED-1500 Product Information

The ULED-1500 is a mountable ultra-violet light counterfeit bill detector that enables users to view "hidden" UV fluorescent security features. Utilizing 4 high-powered Light Emitting Diodes (LEDs) covering the 365 & 380 nanometer wavelengths, the ULED-1500 produces an intensely lit area in which various types of documents can be tested for verification. Currency, ID documents (driver licenses, passports, national ID cards) cashier's checks, casino chips, vehicle title documents, and more.

### Specifications:

Width:	7.5 inches
Depth:	3.5 inches
Height:	4.5 inches
Light Source:	4 x Hybrid Hi-PowerUV LED
Power Supply:	120V A/C
Adapter Output:	DC Adapter 5V; 1.0 AMP

### Package Contents:

- ULED-1500 Unit
- DC Power Adaptor
- Velcro Tape Strips
- Magnets



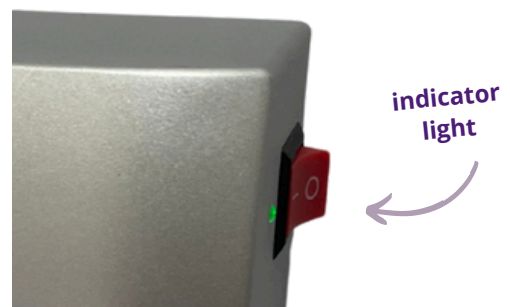
## Setting Up

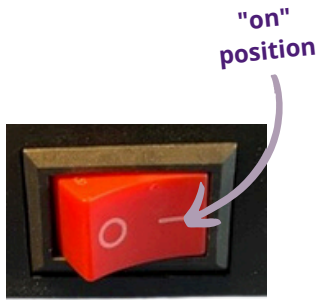
- After unpacking, check to make sure that you have the desktop lamp and the A/C power cord.



- Plug the cord/adaptor into a power outlet and then fit the plug into the round power input on the side of the ULED-1500.

- A small LED on the opposite side of the machine will illuminate "green" to indicate that the power is connected.





- Press the on/off switch on the front of the unit to the on ( ' - ' ) position.
- The machine is now ready to hang using one of the following: magnets, Velcro tape, or screws
- Insert a document to start using

- A small infra-red sensor located in the center of the document viewing area will detect motion when an item is placed inside. This sensor will cause the LEDs to illuminate.



## UV Verification

Verifying documents using ultraviolet light is not difficult. Generally speaking, the user should look for a document background that remains relatively dull and dark while the expected UV security features should glow clearly.



See image of the \$20 bill here. The ULED-1500 has a "UV guide" for US Dollars printed above the viewing area. These marks show the location and color of the expected UV security for US dollars of \$5 denomination and higher.

Many different types of important/secured documents contain UV features. Examples include credit cards, driver licenses, passports and other identity documents, secured checks (NOT personal checks), official documents like vehicle title documents and marriage certificates, and more.

Security features for Driver's Licenses are changed often by individual states. We offer a [Driver's License Guide](#) for purchase which is updated annually to show the latest features.



More tips for UV Verification are listed on the next page. If you have a specific requirement, we may very well already have a training guide available to help you understand what to look for. Just reach out to us at 800-883-8822.



## Tips on What to Look For

### Currency:

1. Place the bill under the light with the portrait facing upward. A bright blue paper color is the first counterfeit currency indicator.
2. Next look for the colored security thread. The appropriate positions and color for each security thread are indicated on the front of the light table:

<b>\$100</b>	Pale pink and to the LEFT of Franklin's picture
<b>\$50</b>	Yellow and to the RIGHT of Grant's picture
<b>\$20</b>	Green and to the LEFT of Jackson's picture
<b>\$10</b>	Orange and to the RIGHT of Hamilton's picture
<b>\$5</b>	Blue and to the LEFT of Lincoln's picture
<b>NexGen \$5 bill (May 2009)</b>	Blue and to the RIGHT of Lincoln's picture
<b>NexGen \$50 bill (Oct. 2004)</b>	Yellow and runs between the 'D' and 'O' of "DOLLARS"

### ***Please Note:***

Because the \$100 bill was the first banknote the Treasury Department redesigned with the UV Security feature, it has the weakest fluorescence and is the hardest feature to see. The \$100 feature can generally be seen by holding the bill up close to the bulbs and looking closely. The feature will appear "pale" and "pinkish" in color.

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### Checks:

1. All checks made of Secure paper, such as Bank Checks, will absorb the UV light and will not glow.
  2. Bank Checks may also have security markings that will only be seen under the UV light.
  3. If Checks have been washed or chemically altered, they may appear light in color in the significant areas (i.e., payee/signer and dollar amount areas)
  4. All Federal Government checks have intricate UV security features
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### Passports:

Many national passports have various unseen multi-colored UV fluorescent emblems and images which will be revealed by the machine, including The U.S. Immigration Service Date Stamp. Content will differ by country.



## Warranty Information

The ULED-1500 is warranted to be free from material and workmanship defects, as long as the original purchaser owns the unit, during the life of the product. For purposes of this warranty statement, the "Life of the Product" is defined as five (5) years from the date of original purchase. Supplier's limit of liability under this warranty is to repair or replace the product at Supplier's option. Consequential costs such as, but not limited to, loss of use, loss of time or freight charges are not covered. Any product that has been abused, altered, tampered, or incorrectly operated is not covered. Product finish is excluded from this warranty. No other warranties are expressed or implied. We reserve the right to make changes in design, materials and specifications without prior notice. Removing serial number and/or service date markings from products will void the warranty.

## Warranty Repair Procedure

Contact your dealer about the problem prior to shipping the unit back. If it appears that the part is warrantable, you will be given a Returned Merchandise Authorization (RMA) number and asked to return the part, freight prepaid. If the part is found to be warrantable, it will be repaired or replaced and returned to you.

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## About UVeritech, Inc.

UVeritech, a manufacturer and international distributor of fraud prevention equipment, makes FraudFighter products. FraudFighter products are made of the highest quality components and are the most economical and effective loss prevention tools available on the market today.

Fraud prevention is our sole line of business. UVeritech pioneered the use of UV devices at the POS location in the U.S. All our products are developed with real-world applications in mind. Features such as brighter bulbs, durability, currency verification template, and continuous design enhancements ensure that the UVeritech brand remains consistent with the highest levels of quality and functionality.

UVeritech's principals are experts in the prevention of counterfeit fraud and identity theft. Because of their expertise and reputation in the field, UVeritech has developed working relationships with the Bureau of Engraving, the U.S. Secret Service, and loss prevention executives from the largest business in the United States. UVeritech equipment is currently in use by the Transportation Security Administration (TSA) and is deployed in airports across the nation.



# Quick Color Guide

## USD Currency Ultraviolet (UV) Security Features

**\$5 (new):** BLUE and  
to the right of the  
portrait



**\$5 (old):** BLUE and  
to the left of the  
portrait



**\$5 (new):** GOLD and  
to the right of the  
portrait



**\$5 (old):** GOLD  
and to the right of  
the portrait



**\$5 (new):** GREEN  
and to the left of the  
portrait



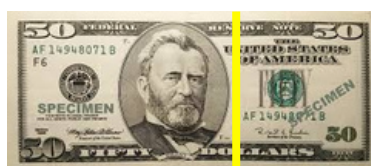
**\$5 (old):** GREEN  
and to the left of  
the portrait



**\$5 (new):** YELLOW  
and to the right of  
the portrait



**\$5 (old):** YELLOW  
and to the right of  
the portrait



**\$5 (new):** PINK and  
to the left of the  
portrait



**\$5 (old):** PINK and  
to the left of the  
portrait

