

ULED-2000 Manual

Table-Top UV-LED Counterfeit Detector



Identify banknotes, IDs, & Credit Cards using
unique UV Security Features



LED UV lights



\$100 Bill showing pink UV line



ID showing UV graphics



ULED-2000 Product Information

The ULED-2000 is an ultra-violet light counterfeit bill detector that enables users to view "hidden" UV fluorescent security features. Utilizing 3 high-powered Light Emitting Diodes (LEDs) covering the 365 & 380 nanometer wavelengths, the ULED-2000 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.

Portability is possible with an optional rechargeable Lithium-ion battery.

Specifications:

Width:	7.5 inches
Depth:	3.5 inches
Height:	4.5 inches
Light Source:	3 x Hybrid Hi-Power Glass-Packaged UV LED
Battery (Optional):	Lithium-ion rechargeable (2300 mAh; 3.6V)
Power Supply:	120V A/C
Adapter Output:	DC Adapter 5V; 1.0 AMP

Package Contents:

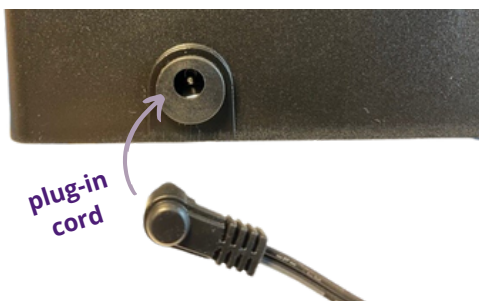
- ULED-2000 Unit
- DC Power Adaptor
- Rechargeable Battery (Optional)



Setting Up

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

NOTE - an optional Lithium-Ion rechargeable battery is included with sample units

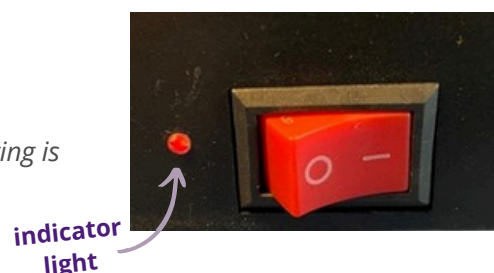


- Plug the cord/adaptor into a power outlet and then fit the plug into the round power input in back of the ULED-2000.



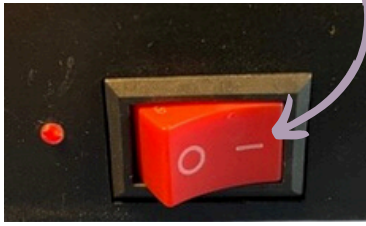
- A small LED on the front of the machine will illuminate "green" to indicate that the power is connected.

NOTE - if a battery is in-use, this light will illuminate red to indicate charging is ongoing. The light will turn green when the battery is fully charged.





"on"
position



- Press the on/off switch on the front of the unit to the on (' - ') position.
- The machine is now ready for use
- 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.

infra-red
sensor



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-2000 has a "UV guide" for US Dollars printed inside of 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:

\$100	Pale pink and to the LEFT of Franklin's picture
\$50	Yellow and to the RIGHT of Grant's picture
\$20	Green and to the LEFT of Jackson's picture
\$10	Orange and to the RIGHT of Hamilton's picture
\$5	Blue and to the LEFT of Lincoln's picture
NexGen \$5 bill (May 2009)	Blue and to the RIGHT of Lincoln's picture
NexGen \$50 bill (Oct. 2004)	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.

Credit Cards:

Most credit cards have a hidden UV security feature that is only visible under the UV lamp. To authenticate, simply place the credit card front side up, under the UV lamp and look for the UV security feature(s) that appear on genuine credit cards as listed below. A distorted image alerts the merchant of a possible counterfeit card. The merchant can call the credit card issuer, therefore limiting the risk. If no UV image appears, the card may be counterfeit.

American Express	"AMEX" in one inch letters with a globe in the center
Visa	A glowing "V" in the Visa logo
MasterCard	Capital letters "M" and "C"
Discover	"DISCOVER" logo
Diners Club	Capital letter "D"
Older Visa Cards	An image of a dove in the center of the card
Older Discover Cards	"NOVUS" logo

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-2000 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.

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.

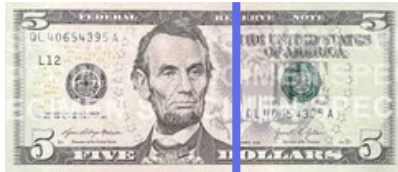
Fraud prevention is our sole line of business. UVeritech pioneered the use of UV devices at the POS location in the U.S. All our products are developed with real-world applications in mind. Features such as brighter bulbs, durability, currency verification template, and continuous design enhancements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



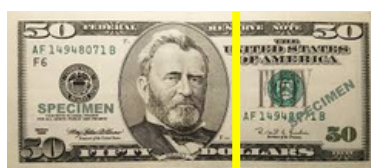
\$5 (old): GREEN
and to the left of
the portrait



\$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

