



**1) Power switch - MG/WM (Up) OFF (middle) UV (Down) - 2) Magnetic indicator (Red LED) - 3) Magnetic head- MICR (Only available with the CSS-1 unit) - 4) Watermark verification window - One 7W white bulb - 5) One 9W UV bulb (ultraviolet bulb) - 6) Micro-printing magnifier window**

### **Operation**

Avoid operating the unit close to a strong natural or artificial light source. The effect of the UV light will be overpowered by that of the strong secondary light source, diminishing the fluorescence of the analyzed banknote or document. CSS recommends that the users familiarize themselves with the security features of the banknote or document they want to analyze, in order to use the unit more efficiently. Additionally, we also recommend the users to compare any suspected counterfeit banknote or document to an authentic matching item, to better determine if it is a legitimate banknote or document.

### **Ultraviolet Detection**

Plug the CSS-1 or CSS-2 into a power outlet. Turn it ON by selecting "UV" detection (power switch down) using the UV/WM selector. Place the banknote or document you want to analyze on the surface under the UV bulbs. The UV features contained in banknotes and other documents will fluoresce under the UV light. Using this principle, any documents or part thereof containing UV security features, should fluoresce. These will include: American and foreign currencies, state issued drivers licenses /identification cards, money orders, travelers checks, credit cards, event tickets, casino chips and other documents containing UV security features, which are difficult to reproduce by counterfeiters. The UV reaction in a banknote or document can differ depending upon the side that is analyzed (for bills or documents that have UV security features visible from both sides.) For this reason, we recommend that the user analyzes both sides of a banknote or document.

### **Watermark Verification**

Select "WM" (power switch up) detection on the UV/WM selector. Place the area containing the watermark on the banknote or other document over the watermark verification window. Verify that the watermark is present on the banknote or document. The absence, displacement, or low quality of the watermark may be an indication that the banknote or document being analyzed is counterfeit.

### **Magnetic Ink Verification** (Only available with the CSS-1 unit)

Select "WM" (power switch up) detection in the UV/WM selector. Gently rub the area of the banknote or document that may contain magnetic ink against the magnetic head. If there is magnetic ink present on the banknote or document, the unit will emit a beeping sound while the red LED display illuminates. If neither of these signals appear while analyzing the banknote or document, this may be an indication that the banknote or document being analyzed is counterfeit.

### **Micro-printing Magnifier**

Place the banknote or document under the magnifier window. Visually, verify the micro-printing and the fine lines present in the banknote or document being analyzed.

### **Cleaning and Maintenance**

Do not use this product in areas where it may be exposed to water or other liquids. Dust may accumulate on the UV lamps, reducing its luminescence. Use a damp soft cloth for cleaning. Do not use liquid or aerosol cleaners. Always unplug the unit from the wall outlet before cleaning or replacing a bulb. Do not use the unit if the power cord is damaged or if the plug socket contact is loose since not following these instructions may result in electric shock, fire, or other hazards. When not using the unit for a long period of time, remove the power plug from the wall outlet.

### **SPECIFICATIONS**

**Dimensions: Approx.: 185 x 120 x 130mm (7.28 x 4.72 x 5.11 in) - Ambient Temperature: 0 C - 40 C (32 F to 104 F)- Ambient Humidity: 85% - Illumination: 200 ~ 800 lx (18.5 lm/ft - 74.3 lm/ft) - Power Source: 110V 60Hz - Power Consumption: 16W**