CLAIMS

~~What is claimed is:~~

1. A system for evaluating currency in areas using image processing, comprising:

a non-transitory storage medium that stores instructions; and

a processor that executes the instructions to:

receive an image of an area from an image sensor;

process the image to identify at least one item of currency in the area;

determine ~~a value of~~ whether the at least one item of currency is valid~~irrespective of validity~~; and

when the at least one item of currency is determined to be suspect, project an output, via a light source or emitter, onto ~~count~~ the at least one item of currency and/or proximate thereto.

2. The system of claim 1, wherein the processor determines that the at least one item of currency is suspect when the processor identifies the at least one item of currency as counterfeit.

3. The system of claim 2, wherein the processor identifies the at least one item of currency as counterfeit when the processor is unable to locate a security feature of the at least one item of currency during processing of the image.

4. The system of claim 2, wherein the processor identifies the at least one item of currency as counterfeit using a numerical identifier extracted from the image using optical character recognition.

5. The system of claim 1, wherein the image comprises a first image from a camera and a second image from an infrared image sensor.

6. The system of claim 1, wherein the image sensor includes an infrared filter.

7. The system of claim 1, wherein the processor identifies the at least one item of currency as counterfeit when the processor is unable to locate an infrared strip of the at least one item of currency during processing of the image.

~~2. The system of claim 1, wherein the processor processes the image by detecting a security feature of the at least one item of currency.~~

~~3. The system of claim 2, wherein the security feature comprises an infrared strip.~~

~~4. The system of claim 1, wherein the processor processes the image by screening out at least one element common to the image and a previous image.~~

~~5. The system of claim 1, wherein the processor counts the at least one item of currency by determining a denomination of the at least one item of currency.~~

~~6~~8. The system of claim 1, wherein the processor transmits the ~~count~~ output to an electronic device.

9. The system of claim 1, wherein the processor identifies the at least one item of currency as counterfeit when the processor is unable to locate a watermark of the at least one item of currency during processing of the image, the watermark configured to glow under ultraviolet illumination.

10. The system of claim 1, wherein the processor provides the output by identifying the at least one item of currency on a display.

11. The system of claim 1, wherein the processor provides the output by summoning an authority.

12. The system of claim 1, wherein the image sensor is located at least approximately over one meter from the at least one item of currency.

13. The system of claim 1, wherein the image is a video.

14. The system of claim 1, wherein the image is a still image.

~~7. The system of claim 6, wherein the processor performs an action using a response received from the electronic device.~~

~~8~~15. A system for evaluating currency in areas using image processing, comprising:

a non-transitory storage medium that stores instructions; and

a processor that executes the instructions to:

receive an image of an area from an image sensor;

process the image to identify at least one item of currency in the area;

determine ~~whether~~ that the at least one item of currency is counterfeit~~has an error condition~~; and

when the at least one item of currency is determined to ~~have the error condition~~be counterfeit,

project ~~provide~~ an output, via a light source or emitter, ~~on~~ onto the at least one item of currency and/or proximate thereto.~~the error condition~~.

16. The system of claim 15, wherein the processor provides the output by signaling removal of the at least one item of currency from the area.

17. The system of claim 15, wherein the processor provides the output by signaling replacement of the at least one item of currency in the area.

~~9. The system of claim 8, wherein the error condition is that the at least one item of currency is obscured in the image by an obstruction.~~

~~10. The system of claim 9, wherein the output includes a direction to remove the obstruction.~~

~~11. The system of claim 8, wherein the error condition is that the at least one item of currency is incorrectly oriented for identification.~~

~~12. The system of claim 11, wherein the output includes a direction to reorient the at least one item of currency.~~

~~13. The system of claim 8, wherein the image is at least one of a still image or a video.~~

~~14. The system of claim 8, wherein the image sensor is located at least approximately over one meter from the at least one item of currency.~~

~~15~~18. A system for evaluating currency in areas using image processing, comprising:

a non-transitory storage medium that stores instructions; and

a processor that executes the instructions to:

~~receive an image of an area from an image sensor;~~

process ~~the~~ an image from an image sensor to identify at least one item of currency in ~~the~~ an area; and

upon using the image to determine ~~whether~~ that ~~the at least one item of currency is valid; and~~

~~when~~ the at least one item of currency is ~~determined to be~~ of suspect validity, project ~~provide~~ an output, via a light source or emitter, ~~on~~ onto the at least one item of currency and/or proximate thereto.

~~16. The system of claim 15, wherein the processor determines that the at least one item of currency is suspect when the processor identifies the at least one item of currency as counterfeit.~~

~~17. The system of claim 16, wherein the processor identifies the at least one item of currency as counterfeit when the processor is unable to locate a security feature of the at least one item of currency during processing of the image.~~

~~18~~19. The system of claim ~~16~~18, wherein the processor identifies the at least one item of currency as counterfeit by comparing ~~using~~ a numerical identifier extracted from the image using optical character recognition to a suspect currency list.

20. The system of claim 18, wherein the processor illuminates the area using ultraviolet illumination.

~~19. The system of claim 15, wherein the image comprises a first image from a camera and a second image from an infrared image sensor.~~

~~20. The system of claim 15, wherein the image sensor includes an infrared filter.~~