

8. Light Element of the Watermark

The numerical indication of the note denomination which is visible up to the light.



12. Serial Number

The serial number printed with red inks glowing under the UV light in yellow-red color.



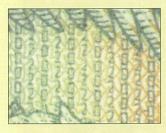
9. Microtext

Repeated inscriptions which can be read with magnifying glass.



13. Antiscanning Grid

Thin lines placed at different angles which form a moire pattern when copied or scanned.



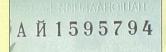
10. Rainbow Printing

Special type of printing ensuring a smooth change of one color into another without intermittence and displacement of graphic elements of the pattern.



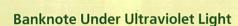
14. Security Fibers

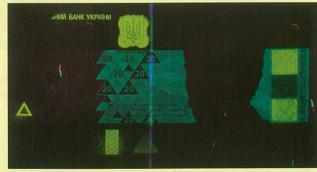
Chaotically embedded into the paper invisible security fibers glowing in red and green colors under the UV light.



11. Serial Number

The serial number is printed in high printing with black inks with magnetic properties.





Face of the banknote

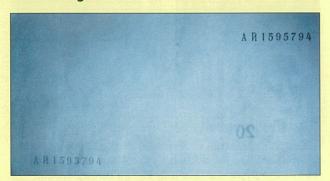


Back of the banknote

Banknote Under Infrared Light



Face of the banknote



Back of the banknote

NATIONAL BANK OF UKRAINE P 12280 20 HRYVNIA BANKNOTE OF 20031

The new banknote like
all previous banknotes
of this denomination bears
a portrait of I. Franko on its face
and the building of the
Lvyv Opera House on its back.



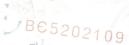
Ivan Franko

(1856-1916) is an eminent Ukrainian writer, scientist, translator and public figure.





was built in 1900 by the design of architect Z. Gorgolevsky







SECURITY ELEMENTS FOR VISUAL DETECTION





The banknote is printed on the

tinted paper of greenish color

matching the

prevailing color

of the images on

Banknote size

(69x130)mm

the banknote.

1. Watermark

A multi-tone portrait, formed by the internal structure of paper, has a fixed position on the banknote and becomes visible when the banknote is held up to the light. Repeats the portrait printed on the face of the note.



2. Optically Variable Ink

The rosette with numerical indication of the denomination printed with the ink changing its color when viewing at different angles: crimson-violet in perpendicular position and olivegreen at a sharp angle.



3. Coded Security **Thread**

A fully embedded into the paper poly-mer coded thread with the following transparent direct and inversed images: "20 ΓΡΗ", a trident and the denomination "20" (in two lines).

In UV light glows in yellow (yellow-green) and blue colors.



4. Latent (Hidden) Image

A numerical indication of the denomination becomes visible when the banknote is tilted at a sharp angle to the light.

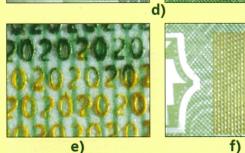












5. Relief Images

Graphic elements on the face of the banknote are printed in special printing when the ink is raised above the paper surface and can be felt by touch: a) the sign for the blind; b) the portrait; d) inscriptions; e) numerical indication of the denomination; f) ISARD.



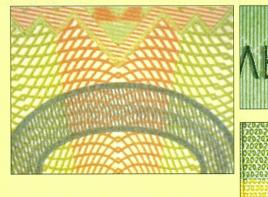




Face of the banknote Back of the banknote

6. See-Through Element

Printed elements on the face and on the back of the banknote which complement each other and form the letter "Y" when the note is held up to the light.





7. "Orloff" Printing

A special type of printing which forms a pattern with the ink of different colors ensuring an abrupt change of one color into another without intermittence and displacement of graphic elements of the pattern (lines, planes).

