• Optically variable devices in the form of an all-over transparent foil are applied to the front of the card

• Kinematic effects when the card is tilted

• The eagle motif in the photograph area becomes a hexagon structure; the size of the twelve surrounding stars alternates; the band of hexagons simultaneously moves up and down the card

• Tilting the card reverses the contrast of the area where the eagle is shown

• Dynamic road signs are scattered across the surface; in addition, different moving vehicles, such as a truck and a motorcycle, can be seen in the upper and lower part of the card

• A circle of stars rotates around Germany's country code, the letter "D", which seems to emerge from the background

• Microprinted text blocks “FÜHRERSCHEIN BUNDESREPUBLIK DEUTSCHLAND” move in wavy lines from the left to the right side of the card and vice versa

• Traffic lights and road signs light up when viewed from different angles

• The machine-verifiable feature fulfils the requirements for the new German national ID card and the electronic passport
The German driving licence card was first issued by driving licence authorities at the beginning of 1999. The cards are produced and personalised at Bundesdruckerei GmbH in Berlin.

The second generation of the EU driving licence issued as of 2011 features the same properties, optical design elements and forgery protection as the former tried-and-tested version. Some of the security features, however, have been upgraded to include new technologies.

The driving licence card has the following security features:

1. OBA-free translucent polycarbonate as the base material: special polycarbonate foils which are suitable for laser-engraved personalisation make fluorescent features and the see-through register visible.

2. Multicoloured guilloches as the background design

3. Background with rainbow printing

4. Anti-copy inks: when photocopied, the colours change and the photocopy differs from the original

5. Microlettering as an anti-copy security element: endless text “FÜHRERSCHEIN BUNDESREPUBLIK DEUTSCHLAND” (front) and “FÜHRERSCHEIN” (back)

6. Anti-copy features in the form of fine lines which cause distortion when photocopied

7. See-through register: different design elements on the front and back of the card form the letter “E” when the card is held against the light

8. Printing of the front on different layers of the card body

9. Visible inks, fluorescent under UV light

10. Invisible inks, fluorescent under UV light

11. Fibres, fluorescent under UV light

12. Optically variable devices in the form of an all-over transparent volume hologram foil

13. Optically variable ink: a special ink that changes colour when the card is tilted

14. Laser-engraved personalisation: laser-engraving on different layers, i.e. tactile on the surface (lines 1, 3, 5 and 9) and non-tactile within the card body; text and image data cannot be altered without damaging the card body

15. Security thread with integrated microprint on the back

16. Date field: fluorescent material with multicoloured background printing similar to the card body. When the licence is issued for one category, this category can be marked with “*” in column 10 and the date is entered here

17. Changeable Laser Image (CLI): laser-beam generated image in which a fixed motif (three road signs) and individual alphanumeric data (part of the driving licence number) can be seen depending on the viewing angle

18. Microlettering: name and given name laser-engraved in a vertical position next to the photograph

Machine-verifiable feature as part of the volume hologram