

HOLOGRAM

In brief

The term for the 3D representation which reproduces an image (previously recorded) from different angles depending on the observation. It is the starting point for a new description of the reality.

What is it?

A hologram is a 3D photograph produced by a laser. To create a hologram the laser beam is to be shined upon the object to be photographed; a second beam is split onto the reflected light of the first beam and the scheme resulting from the area where the two beams join together is recorded in the photographic film. After this film is developed and shined by a third laser beam, it will show the original 3D object.

What is it for?

- to create full-immersion learning environment (e.g. hologram teaching)
- to allow simulations of 3D techniques and procedures, by reconstructing the reality
- to increase and encourage the involvement of the users
- to renew communication and education