Light Logics Holography & Optics

Gray scale images
Multi-level CLR
Rainbow effect
Specific photos

Hologram + UV Variable data
Concealed images
High resolution line pattern
Custom features

Nano text
Animation
Lens/Pearl effect
Lens/Pearl effect with text
CLR animation
Guilloche pattern
Kinematic color animation
Switch/ channel effect
Non-repeatable custom features
Gradient effect

2D/3D image
Dot-matrix image
E-beam image
True 3D image
Stereogram
True color image
Fringe modulated 3D
CLR image
Raster Image
Micro text

Zoom effect
Animated 3D text
Gray scale images

Hologram + Inkjet numbering
Hologram + Laser numbering
Hologram + MR ID

Security Features

CLR Reader based authentication
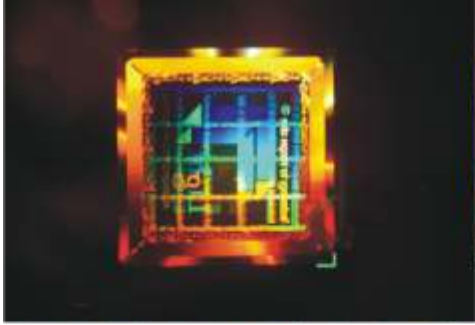

Digital magnifier based authentication

Widest spectrum of Security Features

Diffractive logo registered images
Laser readable hidden image
Film Readable opaque image
DRCAD (Difficult to Repeat CAD) features
Diffractive Moir's
CLR Animation
Personal photo layer

Switch effect range
(horizontal, vertical, 90degree, mini-switch etc)
Kinematic color animation
Micro text and Nano text
Pixel variable effect
True color images
Figure in Flight (FiF) image (banknote feature)
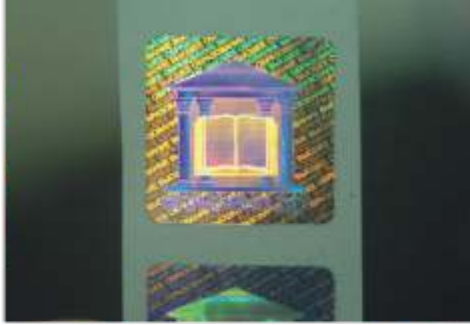
www.lightlogics.in

Our wide spectrum of security holograms

2D/3D Hologram

2D/3D holograms are formed by layers of 2D images superposed one on another. This is recorded in a manual way and this is the most common type of security hologram.

Dot Matrix Hologram

Dot-matrix hologram is a computer generated security hologram with complex security features. It is formed by an array of small dots of holograms.

Electro Beam Hologram

Electron beam holograms are very complex diffractive patters formed through electron beam etching. Throughout the world there are only very few e-beam systems that records security holograms. Electron beam holograms are high value holograms.

Combination Master Hologram

Combination master holograms are considered as the highest security hologram and are generally used in bank note holography. Its mastering is a very complex process and has the highest value.

True 3D Hologram

True 3D holograms are shot from true 3D models. The famous VISA dove hologram is an example of true 3D security hologram
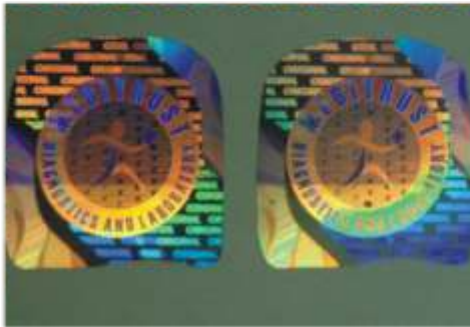
Transparent Hologram

Transparent security holograms are used as a sealing layer for Ids and license cards. It is also used to seal figures entered in bank drafts.

Custom Shape Hologram

Custom shape holograms can be any kind of security hologram with a specific shape, as preferred by the customer. Special laser dies are applied to include custom shapes so that it adds to the security.

Multi Color Hologram

Generally security holograms are embossed on single color metallised polyester material. However, Light Logics provides custom colored holograms that protects your products in a better manner.

Stock Image Hologram

Stock holograms are ready to deliver holograms. No mastering charge is applicable for general stock holograms. Such holograms are generally applied for event entry pass and limited life documents.

It is not just the mastering method or the complexity and the features of mastering that add security. A set of security procedures are to be strictly adhered during the production of security holograms. Light Logics is one of the very few companies that make Combination master security holograms. We follow internationally accepted security norms in the production, right from design to waste material disposal. Our finely crafted security holograms yield perfect patterns when imaged through an AFM (Atomic Force Microscope). AFM is a Nobel prize winning technology that can even image tiny molecules of complex shapes. For your document security and brand protection needs, please contact us. Our engineers are always available for technical discussion and support. E-mail- sales@lightlogics.in, info@lightlogics.in., Phone- +91-471-2383484