



Y.Gentet, M.Shevtsov "20-YEAR PATH TO PERFECTION: THE LATEST ACHIEVEMENTS IN COLOR HOLOGRAPHY



















1995. After the first good results



The test color hologram achieved on that date



Meeting with Yu. Denisyuk in museum of holography of SOI St.Petersburg, 1995.

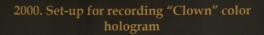


Recommandation letter of Y Denisyuk to support the









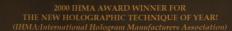
*Set-up was equiped with many wavelengths to find optimum combination to reach good color balance. The exposure time adjusted for ratio 1:1:1 between red (660, 647,633 nm), green (532, 515 nm) and blue (476,457,441 nm)



Denisyuk hologram and original object under the laser light



*To compare brightness and color balance of the hologram vs original object both illuminated with the recording laser lightning

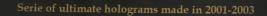




 *Color Ultimate hologram «Clown» demonstrated in Vienna



•Emmet Leith visit Yves Gentet and his "Clown"











Knite (30x40 cm)

Tutankhamun (30x40 cm) Obelix (20x25 cm, H2 Dynisyuk) Swatch 15x20 cm,
(2-chanel H2)



HOLOPRINTER FOR PIXELIZED HOLOGRAMS

2005: The original project goals

-very large size (1 meter wide prints, continuous rolls)

-full color (RGB technique 440/532/660 nm

hoggel resolution of 0.8 mm (0.64 sq mm)

-Wide field of view : with horizontal and vertical angle of view of 120'

-full parallax holoprints from 3D computer generated images.

2008: What we succeeded: every goal except the size, our prints were limited to 60x80cm (the size of our coating machine). We did larger sizes but using mosaic technique.



Full parallax "Beau Dieu" 30x40 cm



4-chanels "AREVA nuclear station" 120x60 cm



2008. The mobile camera for recording Denisyuk holograms "in-sitru"

The project background: since 1994 we have focused our research activity on the development of a recording material for colour Demiyuk holograms. We had the goal to achieve very high quality color records with the use of low power lasers (25mW). When DPSSlasers became commercialy available we designed this mobile system.



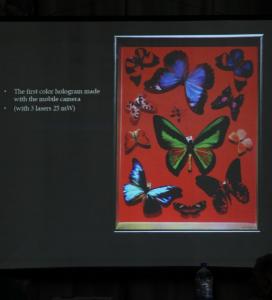
The principle of the mobile colour holographic camera operation



Now we record it in-situ! Our unique mobile laser projector allows holograms (up to 30x40 cm) to be recorded INSIDE a museum.



We compare the original and its Ultimate Hologram double under the light of the laser projector



All our products: Ultimate plates and films, Denisyuk holograms holoprints can be ordered on our website

www.ultimate-holography.com

WE THANK YOU FOR YOUR ATTENTION