

Editorial – First Opportunity, Last Chance.

Last Chance - If you are already a member and haven't paid your 2022 membership fee yet, you only have a few days left to do so! Members whose Fees will remain unpaid by March 15, 2022 will be taken as "departed". They will no longer receive the Monthly Letter nor information from the Club including access to the members' section of the image-in-relief.org site. Please do not forget!

First opportunity - Our friends from UP3D (Union of 3D professionals) told us two years ago that manufacturers were preparing to market autostereoscopic (glass-free) TV screens. We are impatiently awaiting their commercialisation, while 3DTV have been off the shelves for a while: it is currently very hard if not impossible to find an affordable replacement for an old 3DTV.

The only current autostereoscopic screens are intended for professionals, at an unaffordable price for individuals (12,000 to 20,000 €). There are rather cheap devices with an autostereoscopic screen (3D screen smartphones, the Looking Glass Portrait frame, the LumePad tablet for example), but their screen is much smaller than that of a 3DTV.

Jiashun Digitech Shanghai Co Ltd just informed the French Stereo-Club that they are selling an autostereoscopic monitor (with lenticular array) which can receive a television signal via an external decoder and display stereoscopic images or videos, main features : 4K 3840×2160 pixels, 3D side by side, up and down, 3D frame sealed, 3D 9 tiles, 54 image angles... The 28-inch model sells at €2,195, the 55-inch model at €3,955.

We hope that this is the first sample of a new wave of 3D screens and new stereoscopic technologies (light-field, spherical...) that could bring the public back to stereoscopy.

It is the role of the French Stereo-Club to test the real performance of this device in order to inform you and recommend a possible purchase. I am looking to get a model of this monitor, which has not yet been imported into France.

Your dedicated chairman,
Patrick Demaret

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The Arcs mountain range (Savoie) and the funicular track - Photo: Serge Hervouin

Paleontology Gallery, Jardin des Plantes, Paris - Photo: Serge Hervouin X 2

An artwork by German visual artist Anselm Kiefer - Photo: Thierry Mercier

Notre-Dame seen from the Tournelle bridge in Paris - Photo: Pierre Meindre

October 6, 2022 "2D-3D Conversion" Meeting (José Starck)

Double view showing the displacements of objects in the image (differentiated according to depth)...

Gradient of gray (depth map) applied to a blue rectangle (= left image) to reorient it in space so as to make it a right image...

Another example with a flower (left = left image) and its grayscale depth coding...

Left Photoshop move tool; Right the cobblestones moves with arrows of the keyboard.

Simple depth map (2 shades of gray only)...

Anaglyphs obtained with depth map, left with StereoPhoto Maker (SPM) (method 3) and right with Photoshop (PS).

At the top the 5 possible types of gradients in PS; in the middle, tree depth map in radial gradient mode; on the right result obtained with this depth map in SPM (staircase effect problem...)

Tree processed by "dispersion" and depth map in PS instead of SPM and reintegrated into the initial photo environment. The tree appears here from curved shape without phenomenon of stairs.

Image of a castle, from two shots taken with a drone moving vertically, using a vertical depth map...

Image by Michel Espagna which was the subject of a discussion on the different possible approaches to conversion techniques.

Vercingetorix throws down his arms at Caesar's feet. Lionel Royer, 1899, Crozatier museum in Puy-en-Velay – 3D conversion by Christian Garnier

Seen on the web

Daguerreotypes in stereo (Jean-Yves Gresser)

Synthetic images generated in relief by the JWildfire software - Images: Pierre Meindre

February 9, 2022 "Atelier SPM" (Patrick Demaret)

A perched bear, Les Halles district, Paris - Photo: Pierre Meindre

Readers Mail (José Starck)