Dichopter® Description

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The Dichopter® is a viewing device designed to aid the viewer in simultaneously or sequentially seeing pairs of images displayed on a smartphone screen. It directs the left image to the left eye and the right image to the right eye. This is what is called “dichoptic” viewing. The word dichoptic comes from combining the Greek words “dicha” (meaning “in two”) and “optikos” (“relating to sight”). The word “Dichopter®” was created to distinguish the device from “binoculars,” “stereoscopes,” “synopters” and other single-purpose two-eyed viewing devices.

The Dichopter® consists of two 100 mm focal length plano-convex lenses held together in a foldable bracket. It can be used to view 3D pairs of images displayed in parallel (SBS) format on a smartphone screen. These can be taken from the Web or created by the user by shooting two images using the “cha-cha” technique with a single smartphone. The images can then be combined for visual display by using software such as “i3DSteroid.”

For further information about the Dichopter® see:

http://www.dichopter.com