No glasses, no headset, no smartphone - it is possible to produce 3D images that observers can view without cumbersome props. Base these displays on input from medical imaging devices and you could have the makings of a powerful new way to view patient scans. Holography holds the key, says an innovative SME that is developing this technology with EU support.

Scottish hard-tech company Holoxica is developing a 3D video device that generates live holograms based on input from computed tomography (CT) or magnetic resonance imaging (MRI) scanners.

Instead of viewing patient scans in a mere two dimensions, doctors who have access to this innovation would be able to examine three-dimensional (3D) representations of scanned organs – in real time. They could also use these displays to explain their findings to their patients, or plan surgery.

See also:

Project details

Project:
Holographic 3D Display for visualising volumetric images from medical scanners

Project Acronym:
HoloMedical3D
Links