ITV PLC at this time **do not** have plans to broadcast 3DTV. Its present status is to create a viable *technical and commercial* framework so formal statements can be made regarding any broadcast plans for 3DTV. Accordingly our input/role regarding broadcasting standardisation.

ITV PLC as a producer of content is able to produce stereoscopic material (test as well as final format) and is open to consider production opportunities.

Introduction of 1st Generation stereoscopic television from a FTA broadcaster perspective

Evolution of broadcast audiences & production issues







UK based free to air commercial broadcaster (established in 1955)

EPG Position 103 for main channel – ITV1

Content Producer (Come dine with me, etc)

Global distribution arm

The only commercial broadcaster to reach mass audiences

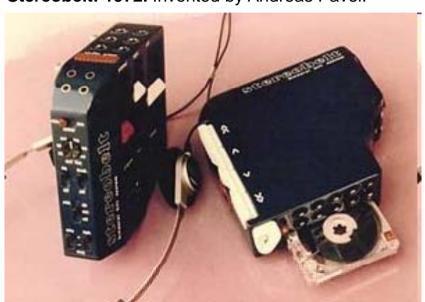
Partner with BBC in FTA platform 'Freesat'

Work started with 3D in November 2007. Public debut MIPCOM 08

Stance. 3DTV will start off requiring the viewer to wear glasses but we want auto-stereo at the same quality point as soon as possible. Dependent on commercial model.

Never presume *too much* what a consumer might find acceptable

Stereobelt: 1972. Invented by Andreas Pavel.



Apple iPod: 2008. Enjoyed by over 170M+ people.



Wiki: "Pavel approached electronics manufacturers such as ITT, Grundig, Yamaha and Philips with his invention, but the companies felt the public would *never wear headphones in public* for listening to music."

What is 1st Generation 3DTV?

Extension of HDTV (same panel)

Full colour per eye

Requires glasses (passive or active)

High quality 3D experience

High quality 2D experience

Required before 3DTV without glasses can move forwards



Issue with the glasses – those funny 3D glasses?

















Where are we now – this affects how we need to produce?

Display market - significantly HD Ready

Content gap with little HD content

Why? Business model – who pays for it

Focus is required still for 2DHD. 1080P50 for example

Significant momentum behind stereoscopic content

Yet as what? - a full time new channel, PPV or extension from HDTV

Tipping point or dividing point?









Ways to shoot stereoscopic 3D





Factors affecting production

Live or non live

Test material or final asset

Degree of backwards compatibility to 2D viewing required. FTA vital. PayTV less so.

Lifetime value

Audience – kids show different grammar from long form content

Distance from subject possible

Budget











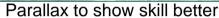
What's in Common?

All require a technical skill to be entertaining (a lot more than 2DTV) Skills gap likely for period of years Making 3D content can be easy but making good 3D content can be considerably more challenging











Visual Excitement

All shots work. Some better than others

Not everything has to have depth. Just as now with colour broadcasting we often have shots will little colour

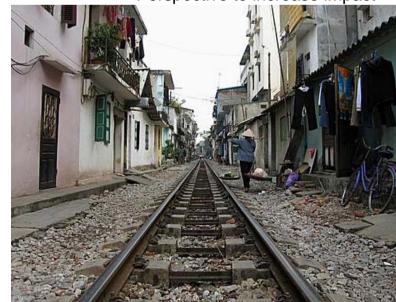
Consider from story board to gain maximum benefit

Shots will effect rig type and camera selection

Tells story better – cuts through clutter



Perspective to increase impact



Product Launch

Not just technology. Any launch needs right message. Right business model. Right price point Content gap is not easy to overcome in volume

Existing migrations to HDTV need to be maintained and any 3DTV content "optional" Issue over glasses. Press find it easy to put over in a negative light Issue over evolution. We have yet to bridge the HD content gap. That should not be affected Issue over what real 3DTV might be. Roadmap from where we are today to lead to that point



Walk, then jog before you can run. Waiting for the future to magically happen overnight will deny your skill set from evolving.











This is possible now. Learn now.



Auto-stereo. Don't stop to deny this – when it is technically and commercially viable.



How can this ever occur if the naming is not considered now?

Issue with backwards compatibility & timing

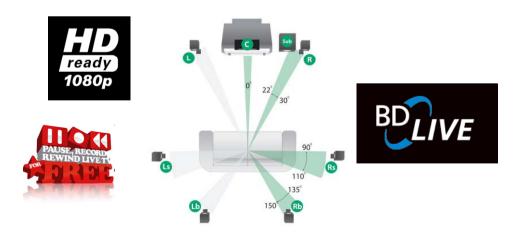






Quest for highest quality has to be balanced with migration and legacy planning. HDTV was helped by a mix between gaming consoles, BD/HD-DVD and DVB. Ideally the timescale framework should be aligned and in a way that lets the consumer be part of the process.

White paper design – a chance to create a new base line



This could be welcomed by all?

Films

Format Suitability (firsts)



Event Television



Sports















ALL BENEFIT OF THE PARTY OF THE







2D Archive (2D-3D Conversion)





Family action (fantasy)



News(?)



CGI (children's and adult)





Physical game show





