

TECHNISTAR[®]

By Armstrong Electronics Ltd

3D

TECHNISTAR[®]

3D

The Technistar[®] 3D Projection System is a revolutionary new, cost effective way of showing 3D events on a big screen to audiences using low cost passive 3D glasses.



Armstrong Electronics Limited
Unit 3 Bluebell Industrial Estate
Bluebell, Dublin 12, Ireland
Tel: +353 1 4509480
Fax: + 353 1 4505725
Webpage: www.armstrong-electronics.ie
Email: sales@armstrong-electronics.ie



All details subject to change without notice



TECHNISTAR® 3D

INTRODUCTION

There are two types of 3D systems available on the market today, ACTIVE and PASSIVE. While both types require the viewer to wear 3D glasses, the technology used with each type is quite different.

ACTIVE

The 'Active' System requires the viewer to wear 'active' powered 3D glasses. This means that the glasses are actively controlling what the viewer is seeing. There is communication (often via bluetooth or IR) from the TV or projector to the active 3D glasses to keep everything synchronised. There can be negative issues with the active glasses, from the glasses being too far away from the signal source therefore losing their synchronization signals and not working, to the battery going flat. The single biggest issue however is the cost, active 3D glasses can retail at approximately €75.00.

PASSIVE

The 'Passive' System uses a different technology to control the 3D process. All of the switching taking place on the active 3D glasses is now being carried out at the projector side of the system. This means that the passive 3D glasses are less complicated, lighter in weight and do not require batteries or transmitters. Most importantly the cost is lower, passive 3D glasses typically retail for approximately €2.50. This major cost difference effectively means that any 3D event in a public arena must use passive 3D technology.

WHAT A SYSTEM CONSISTS OF

- 1 x Technistar® 3D Processor
- 1 x Mocomtech screen (various sizes available)
- 1 x Ceiling mount kit (To hold 2 x projectors)
- 2 x BenQ projectors
- 1 x Housing with fixed CPL filter
- 1 x Housing with automated CPL filter
- 1 x Control Cable Kit



Typical Projection Set Up

WHERE TO USE

There are many applications for this type of 3D TV system such as:

- Sports Bar/ Public House
- Concert
- Theatre
- Special Event
- Small Cinema



Technistar® 3D Processor

TYPE OF USE

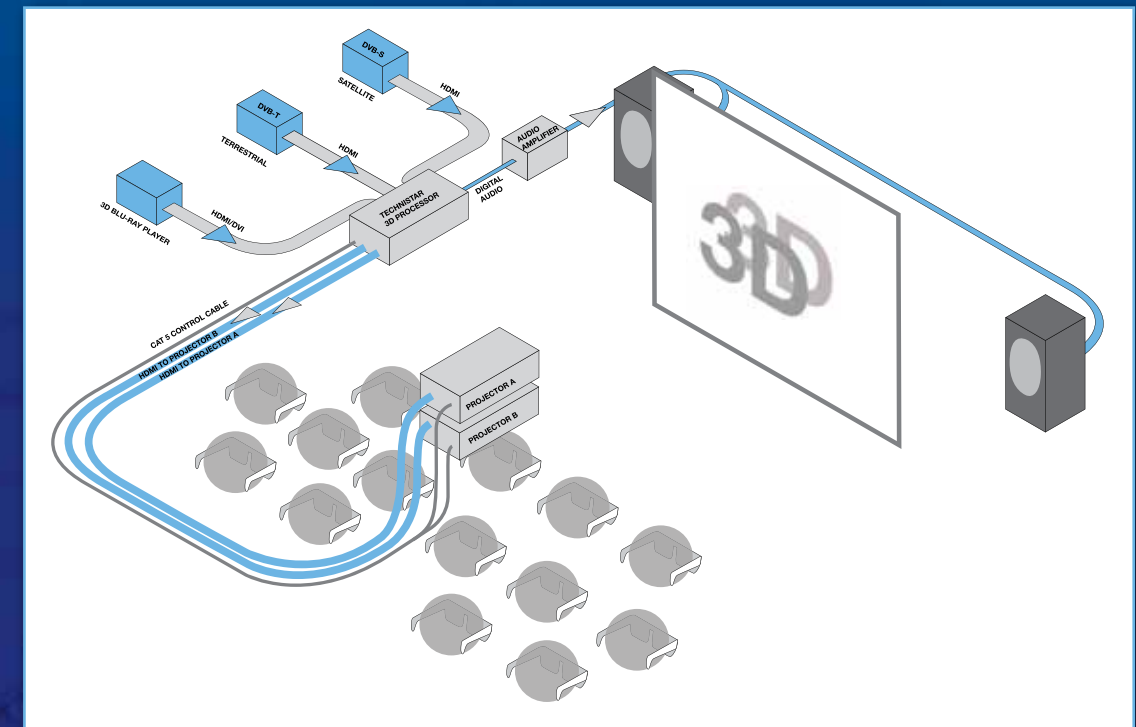
The Technistar 3D TV System is very versatile. The system can be used with the following:

Formats:

- 3D HD (up to 2 x 1080P)
- 2D HD
- 2D SD

Inputs:

- HDMI
- DVI
- Display Port
- VGA



Typical set up for Technistar® 3D System

PROJECTORS

As part of this High Quality 3D system, we have included 2 x HD DLP BenQ Projectors. These units offer full 1080P (1920 x 1080) resolution, brightness of 4,000 ANSI Lumens, contrast of 3000:1, with a native 16:9 aspect ratio. The projectors have a full 1.07 billion colour palette display.

3D SCREEN

The screen plays a huge part in the overall 3D experience. The combination of the filters and glasses that are used to create the 3D effect can reduce the amount of light reaching the viewers eye by up to 70%. This is one of the reasons that we have selected "Mocomtech" as our screen supplier.

Mocomtech design and manufacture the highest quality screens available today. They offer a very high brightness – 18 times higher than a matte white screen. They also offer a precise concave screen, which is very effective in eliminating unwanted ambient light. The screen is also specially designed to preserve polarization, which is essential to maintain the 3D effect. Mocomtech have won 3 consecutive 'CES Innovations Awards', 'The Presidential Prize (Korea)' for 2 years and hold over 100 registered international patents.



- Screen: Mocom Solstice Essen (82) v Matte White
- Projector: 100 ANSI Lumen
- Ambient Light: 550 Lux