

IMAGE ANYPLACE 3D

PASSIVE 3D VIEWING KIT

Create a Movie Theater 3D viewing experience in a Home Theater or Business environment!

Flexible Picture Systems is proud to introduce the Image AnyPlace-3D passive 3D viewing kit. Image AnyPlace-3D enables the cost effective construction of high quality 3D viewing environments for Home Theater and Pro AV audiences. Using the revolutionary Image AnyPlace-3D, Systems Integrators are now able to create a movie theater quality 3D experience in Home, Education and Business environments using off the shelf Home Theater, Pro AV and Consumer Electronic projectors, screens, Blu-Ray players, and associated cables/components.

Introducing passive 3D

Today's 3D viewer is presented with two vastly different 3D viewing experiences:

- Fully immersive, wide screen, comfortable and convenient viewing with throw-away passive glasses in the Movie Theater
- Annoying, headache inducing, small screen home viewing using active glasses and LCD displays at home

Image AnyPlace-3D brings the passive approach home. By using 2 projectors, one for each eye, 3D content can be presented simultaneously to both eyes on the same screen. Research has shown that many viewers are sensitive to the presentation of left eye-right eye time sequential switching that occurs in active glasses (where each eye is alternatively shuttered at the frame rate). Separation of 3D information in the Image AnyPlace3D passive system is accomplished by the gentler process of polarization, where each projector is optically filtered with a complementary polarizing filter used in the glasses.

How it works

3D encoded information from the source (shown as a Blu-Ray player, although any 3D enabled source may be used) is presented to an HDMI distribution amplifier, which distributes identical signals to two Image AnyPlace signal processors (one processor is assigned for each eye). Each Image AnyPlace signal processor extracts its assigned left eye or right eye information, and then precisely aligns that eye's projected image on the screen through its corresponding projector. The projectors are fitted with polarizing filters that isolate the image for each eye. When viewed with glasses that are polarized in a complementary fashion to the projector filters, only the intended image appears at the viewer's eyes.

PHYSICAL AND ENVIRONMENTAL

- Power (each processor): 100 -250V, 47-63 Hz, 35 W (x2)
- Dimensions (each processor): 17" x 8.5" x 1.75" (x2)
- Weight (each processor): 12 lb (x2)
- Full Package Dimensions: 20" x 20" x 12"
- Full Package Weight: 27 lb
- Rohs Compliant
- FCC Class B, CE, CSA-UL



What's in the Kit

The Image AnyPlace-3D kit consists of the following items:

HDMI Distribution Amplifier	(1)
Image AnyPlace Video Processors	(2)
HDMI Cables	(3)
Circular Polarizing Filters	(2)
Projector Mounts for Filters	(2)
Plastic Glasses	(4)
Paper Glasses	(10)
IR Remote Control	(1)
Setup Guide	(1)
Rack Mount Kit	(2)

What's Not Included

Silver (metallized) Screen (sized for the viewing environment; must preserve polarization)	(1)
Projectors (16:9, 1080p)	(2)
Signal Source	(as needed (Blu-Ray Players, etc))

Applications

- Home Theater
- 3D Viewing Environments for Business Visualization
- 3D Viewing Environments for Education, Lecture Halls
- 3D Viewing Environments for Museums and Public Spaces

Image AnyPlace 3D

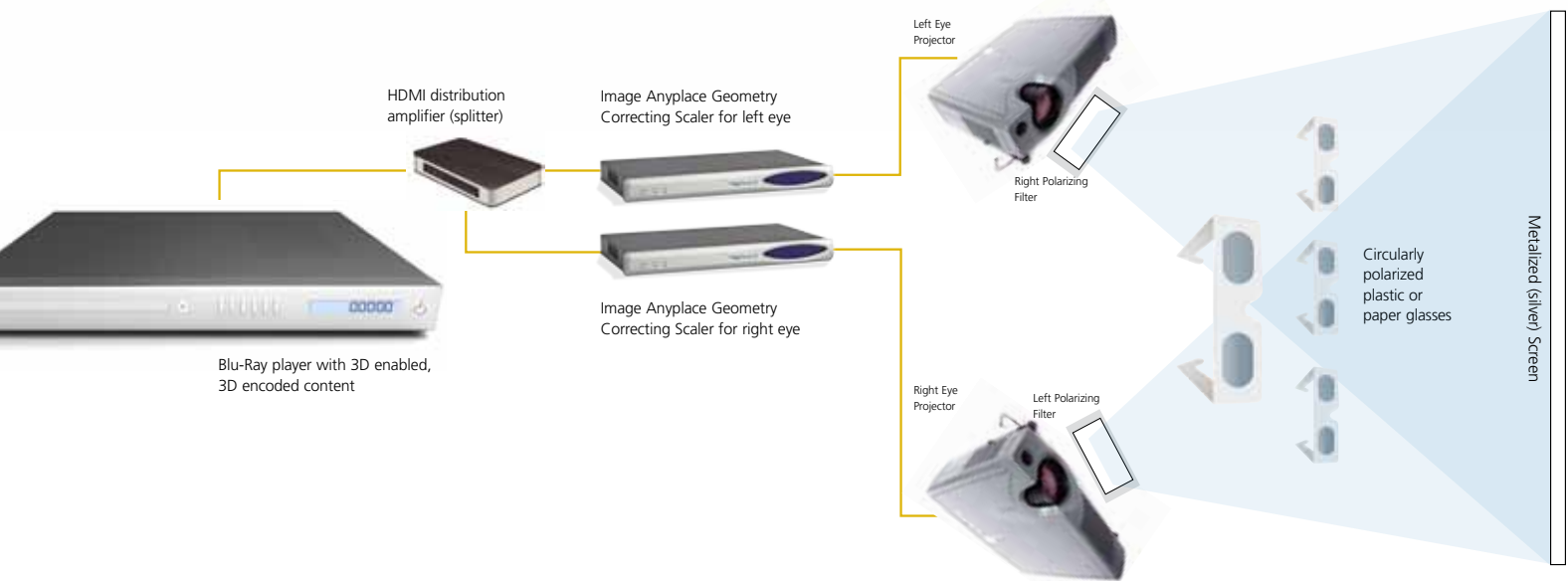
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3D PROJECTION SYSTEM DEMONSTRATION AND PRODUCT PLAN

ADVANTAGES OF PASSIVE 3D

- Passive Glasses are inexpensive – you and 30+ friends can view passive 3D for the same price of just ONE pair of active glasses. You will never be worried about the loss or destruction of a pair of passive glasses.
- Passive Glasses don't require batteries – you will never have to replace batteries. You will never be out of range of the system. You will never lose sync if you step out of the line of sight to the screen.
- Passive Glasses are compatible with the polarization system used in movie theaters. You get the same high quality 3D cinema experience (not the "red and blue" glasses).
- The Passive viewing environment can be scaled – You can build a passive 3D viewing environment that is appropriate for the audience requirements. The Projection Screen size can be chosen to accommodate the intended number of viewers. The Projectors are then chosen for the screen.
- The Passive viewing environment is immersive – The perception of 3D depends on "tricking the eyes and brain" that truly different information is present at each eye. This really isn't possible with small LCD displays.
- The Passive viewing environment is much more comfortable – The glasses are much more comfortable to wear. 3D headaches caused by sequential left eye-right eye viewing of the active systems are eliminated

The development of 3D Blu-Ray output over HDMI brings high quality 3D signals to the display system. The Passive Viewing environment enabled by Image AnyPlace-3D is the only way to properly experience 3D in the Home or Office environment.



FEATURES & SPECIFICATIONS

- 3D Format Capability – 1080p Frame Packed, 1080i/p side by side, 1080i/p top and bottom 720p Frame Packed, 720p side by side, 720p top and bottom
- 3D Supported Inputs – HDMI (all formats above), DVI and Analog RGB (side/side, top/bottom formats only)
- 3D Supported Outputs – HDMI and DVI, both at 1080p
- 2D Supported Inputs – HDMI, DVI, Analog RGB
- 2D Capability – Projector stacking for increased brightness; 2D or 3D capability is selectable over all control methods
- Frame Synchronization – Locked to input; 2 frame latency
- Audio Delay Compensation – Programmable to 100 mS
- Control – Controllable with ASCII command set compatible with all PCs and controllers using Ethernet, USB or RS-232