

Article Overview

A 3D projector splitter allows a single 3D source to feed multiple projectors, maintaining full 3D signal integrity for passive or dual-projector setups.

Understanding the 3D Splitter

A 3D projector splitter, such as the Gofanco PRO-HDRsplit4P, is designed to distribute a single HDMI 3D signal to multiple projectors without losing resolution or audio quality . These splitters support HDMI 1.4a or higher, ensuring compatibility with 3D formats like frame packing, side-by-side, and top-and-bottom . Some splitters also include EDID management to handle different projector capabilities and prevent signal conflicts .

Required Components

For a typical dual-projector passive 3D setup, you will need:

- o 3D source device: Blu-ray 3D player, 3D camcorder, or compatible streaming device with HDMI 1.4a output .
- o 3D projector splitter: Converts the 3D signal into separate left-eye and right-eye streams for each projector .
- o Projectors: Two identical 2D projectors capable of receiving HDMI input.
- o Polarization filters: Linear or circular polarizers mounted in front of each projector lens .
- o 3D glasses: Matching the polarization type used (linear or circular) for viewers .
- o Mounting hardware: Brackets or holders to secure the splitter and filters in alignment with the projectors .

Installation Steps

- o Position the Projectors: Place the projectors side by side or in a dual-projection configuration, ensuring the lenses are aligned with the screen.
- o Install Polarization Filters: Attach linear or circular polarizing filters to each projector lens. Ensure the orientation matches the left and right eye streams .
- o Connect the Splitter:
 - o Connect the HDMI output from the 3D source to the splitter input.
 - o Connect each splitter output to the corresponding projector HDMI input .
- o Adjust EDID Settings: Use the splitter's EDID management to match the resolution and refresh rate of both projectors, typically 1080p@60Hz for full HD 3D .
- o Align Images: Power on the projectors and adjust zoom, focus, and keystone settings to ensure the left and right images overlap perfectly on the screen.
- o Test 3D Playback: Play a 3D test pattern or movie to verify proper 3D effect and minimal crosstalk. Adjust filter orientation or projector alignment if necessary .

Installation of 3D Projector Splitter

Tips for Optimal Performance

- o Use identical projectors to avoid color or brightness mismatch.
- o Silver screens are recommended for linear polarization to maintain polarization integrity .
- o Check HDMI cable quality to prevent signal degradation, especially for 4K or HDR content .
- o Consider a 3D demultiplexer if your source outputs side-by-side or top-and-bottom 3D formats, converting them into separate 2D streams for each projector . By following these steps, you can successfully install a 3D projector splitter for a dual-projector passive 3D system, ensuring high-quality 3D viewing with minimal crosstalk and accurate image alignment.

Looking to set up an HDMI splitter? This comprehensive guide will walk you through the simple steps to get your

HDMI Splitter 4Kx2K 3P 1x2 Setting || One Input 2 Output HDMI Splitter || Two Projector

Learn how to split one projector into two screens to display content simultaneously. Explore different methods, such as

Splitting a projector screen allows you to divide the display area into multiple sections, creating distinct visual zones

Planning on mounting a projector? Preparation is key! Read this step-by-step guide for how to mount a projector

Setting up an HDMI splitter with a projector is relatively simple. Here are the general steps to follow: Connect the source device (such

This guide will walk you through the process of splitting your projector into four distinct screens, exploring the

Below is a repeat of the illustration, previously showed in my earlier blogs, depicting the functions that

Hi all, I currently have a Epson 5030 and I would like to upgrade to a 4k projector but I still want 3d. I'm thinking about

We tested and researched the best HDMI splitters that provide a convenient and efficient way to distribute HDMI

Installation of 3D Projector Splitter

Installation And Set Up This section will be of interest mostly for folks who are planning to recreate a dual-projector,

How to Use an HDMI Splitter - Quick & Easy Guide! Take SHERRIVA UHD-1440 as an

By understanding the different types of splitters, preparing properly for the installation, and following the step-by-step

I currently own a mitsubishi (3800) 1080p projector and a mid range electric screen that I am very happy with. I want

Learn how to split screen on a projector and improve your presentations. Discover step-by

An HDMI splitter allows you to connect a single HDMI output to multiple displays. Discover

Web: <https://www.morwarreconst.co.za>

