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A QUIET PLACE

Tech Tip

Dual-Purpose (Two-Way) Projection Is Better Than Just Front Or Rear Materials. Here's Why

David Rodgers



The Yard Master 2 Dual is becoming the “go-to” source for the ideal outdoor projector screen—Projectors are more affordable, compact, and easy to manage than ever before. This means that portable video presentations are becoming more sophisticated as well as more common. When setting up a two-piece video presentation, front projection may be fine, or you may need to project from behind the material so that passing foot traffic won't disrupt the show. There are dedicated front and rear projection materials that will serve you well, but why not have a screen that does both?

The solution is to make a material that does both. “Dual” or two-



Wraith Veil Dual (2-way) CineWhite® (matte white)

ble image on the other side of the screen. The Dual (two-way) material looks the same on either side, providing an image to a virtual 360-degree angle of vision, whereas a matte white does 180 degrees at best.



The WraithVeil Dual presents equal brightness with either a front or rear-projection setup.

way projector screens are a must for large venue presentations and the YardMaster 2 Dual is the ideal product. The freestanding screen features a durable aluminum folding frame design, two-way (WraithVeil Dual) projection material and is available in sizes ranging from 100 inches to 180 inches with the universal 16:9 (HDTV) aspect ratio.

Why “Dual” (Two-Way) Projection Screens Are Better Than “Matte White” Front-Projection Materials

Projecting against Matte White and the “Two-Way” Dual material—Although the matte white material has a slight brightness advantage, it has no rear-projection capability and there is no visi-



WraithVeil Dual (2-way) Standard Rear Projection

Why “Dual” (Two-Way) Projection Screens Are Better Than “Rear-Projection” Front-Projection materials

When comparing both “RP” and “Dual” materials projecting from the rear and viewing from the front—Standard rear projection materials look good but the (two-way) Wraith Veil Dual delivers similar levels of brightness and clarity from both angles.



Standard Rear Projection

**Note hot-spotting*

WraithVeil Dual (2-way)

**Note Perfect Diffuion*

When comparing both “RP” and “Dual” materials projecting from the rear and viewing from the rear—The “RP” material is ill suited to perform well when viewed from the same angle of projection. Notice the hot spotting and “cold-spots” on the RP, while the Dual material provides the same brightness and uniformity as seen in the previous photo comparison.

A freestanding portable frame is convenient and easy to set up for projection on the go. Sometimes, front projection will work fine while at other times, rear projection is a must. However, the Yard Master 2 with its WraithVeil Dual material does both. While matte white gives superb performance in its own element, it does not match the front-back visibility and picture performance of the WraithVeil Dual. Rear-projection materials give an excellent performance when viewed from the front, but the picture quality of RP material from the rear may leave much to be desired. The WraithVeil Dual brings the best of both worlds into one simple and well-made product to ensure that each outdoor presentation you give is at the top of its game. **WSR**

Dave Rodgers, Marketing Manager for Elite Screens Inc. has 20 years of experience in the AV and wireless communications industries. He has made numerous television, radio, and editorial appearances, providing installers and do-it-yourselfers with easy solutions toward creating larger-than-life big screen applications.

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